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Economic Commission for Europe
Committee on Inland Transport

ADR

applicable as from 1 January 2013

European Agreement

Concerning the International Carriage
of Dangerous Goods by Road

Volume I

UNITED NATIONS
New York and Geneva, 2012

NOTE

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ECE/TRANS/225 (Vol. I)

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FOREWORD

General

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) was done at Geneva on 30 September 1957 under the auspices of the United Nations Economic Commission for Europe, and it entered into force on 29 January 1968. The Agreement itself was amended by the Protocol amending article 14 (3) done at New York on 21 August 1975, which entered into force on 19 April 1985.

According to article 2 of the Agreement, dangerous goods barred from carriage by Annex A shall not be accepted for international transport, while international transport of other dangerous goods shall be authorized subject to compliance with:

- the conditions laid down in Annex A for the goods in question, in particular as regards their packaging and labelling; and
- the conditions laid down in Annex B, in particular as regards the construction, equipment and operation of the vehicle carrying the goods in question.

Nevertheless, according to article 4, each Contracting Party shall retain the right to regulate or prohibit, for reasons other than safety during carriage, the entry of dangerous goods into its territory. Contracting Parties also retain the right to arrange, by bilateral or multilateral agreements, that certain dangerous goods which are prohibited from carriage by Annex A be internationally carried, subject to certain conditions, on their territories, or that dangerous goods authorized to be carried internationally according to Annex A be carried on their territories under conditions less stringent than those specified in Annexes A and B.

Annexes A and B have been regularly amended and updated since the entry into force of ADR.

Structure of Annexes A and B

The Working Party on the Transport of Dangerous Goods (WP.15) of the Economic Commission for Europe's Committee on Inland Transport decided, at its fifty-first session (26-30 October 1992), to restructure Annexes A and B, on the basis of a proposal by the International Road Transport Union (TRANS/WP.15/124, paras. 100-108). The main objectives were to make the requirements more accessible and more user-friendly so that they could be applied more easily not only to international road transport operations under ADR, but also to domestic traffic in all European States through national or European Community legislation, and ultimately to ensure a consistent regulatory framework at European level. It was also considered necessary to identify more clearly the duties of the various participants in the transport chain, to group more systematically the requirements concerning these various participants, and to differentiate the legal requirements of ADR from the European or international standards that could be applied to meet such requirements.

The structure is consistent with that of the United Nations *Recommendations on the Transport of Dangerous Goods, Model Regulations*, the *International Maritime Dangerous Goods Code (IMDG Code)* and the *Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)*.

It has been split into nine parts, but still grouped under two annexes to align with the wording of article 2 of the Agreement itself. The layout is as follows:

Annex A: General provisions and provisions concerning dangerous articles and substances

Part 1 General provisions
Part 2 Classification
Part 3 Dangerous goods list, special provisions and exemptions related to limited and excepted quantities
Part 4 Packing and tank provisions

Part 5 Consignment procedures
Part 6 Requirements for the construction and testing of packagings, intermediate bulk containers (IBCs), large packagings, tanks and bulk containers
Part 7 Provisions concerning the conditions of carriage, loading, unloading and handling

Annex B: Provisions concerning transport equipment and transport operations

Part 8 Requirements for vehicle crews, equipment, operation and documentation
Part 9 Requirements concerning the construction and approval of vehicles

Part 1, which contains general provisions and definitions, is an essential part, since it contains all definitions for terms used throughout the other parts, and it defines precisely the scope and applicability of ADR, including the possibility of exemptions, as well as the applicability of other regulations. It also contains provisions concerning training, derogations and transitional measures, the respective safety obligations of the various participants in a chain of transport of dangerous goods, control measures, safety advisers, restrictions for the passage of vehicles carrying dangerous goods through road tunnels and transport of dangerous goods security.

Central to the use of the restructured ADR is table A of Chapter 3.2 which contains the dangerous goods list in the numerical order of UN numbers. Once the UN number of a specific dangerous substance or article has been determined, the table provides cross-references to specific requirements to be applied for the carriage of that substance or article, and to the chapters or sections where these specific requirements may be found. Nevertheless, it should be borne in mind that the general requirements or class specific requirements of the various Parts have to be applied in addition to specific requirements, as relevant.

An alphabetical index which indicates the UN number assigned to specific dangerous goods has been prepared by the secretariat and added as table B of Chapter 3.2 to facilitate the access to table A when the UN number is unknown. This table B is not an official part of ADR and has been added in the publication for easy reference only.

When goods which are known or suspected to be dangerous cannot be found by name in any of tables A or B, they have to be classified in accordance with Part 2, which contains all relevant procedures and criteria to determine whether such goods are deemed to be dangerous or not and which UN number should be assigned.

Applicable texts

This version ("2013 ADR") takes into account all new amendments adopted by WP.15 in 2010, 2011 and 2012, circulated under the symbols ECE/TRANS/WP.15/213 and -/Corr.1 and ECE/TRANS/WP.15/213/Add.1, which, subject to acceptance by the Contracting Parties in accordance with article 14(3) of the Agreement, should enter into force on 1 January 2013.

Nevertheless, due to the transitional measures provided for in 1.6.1.1 of Annex A, the previous version ("2011 ADR") may continue to be used until 30 June 2013.

Territorial applicability

ADR is an Agreement between States, and there is no overall enforcing authority. In practice, highway checks are carried out by Contracting Parties, and non-compliance may then result in legal action by national authorities against offenders in accordance with their domestic legislation. ADR itself does not prescribe any penalties. At the time of publishing, the Contracting Parties are Albania, Andorra, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, the Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, the former Yugoslav Republic of Macedonia, Tunisia, Turkey, Ukraine and United Kingdom.

ADR applies to transport operations performed on the territory of at least two of the above-mentioned Contracting Parties. In addition, it should be noted that, in the interest of uniformity and free trading across the European Union (EU), Annexes A and B of ADR have also been adopted by EU Member States as the basis for regulation of the carriage of dangerous goods by road within and between their territories (Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods, as amended). A number of non-EU countries have also adopted Annexes A and B of ADR as the basis for their national legislation.

Additional practical information

Any query concerning the application of ADR should be directed to the relevant competent authority. Additional information may be found on the UNECE Transport Division website on the following page:

http://www.unece.org/trans/danger/danger.htm

This website is regularly updated and contains the following information:

- General information on ADR
- Agreement (without annexes)
- Protocol of signature
- Present status of ADR
- Depositary notifications

  Country information (Competent Authorities, notifications)
- Linguistic versions (ADR, instructions in writing)
- Multilateral agreements
- ADR 2013 (files)
- ADR 2011 (files)
- ADR 2011 (amendments)
- Previous versions (files and amendments)
- Publication details and Corrigenda

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EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR)

THE CONTRACTING PARTIES,

DESIRING to increase the safety of international transport by road,

HAVE AGREED as follows.

Article 1

For the purpose of this Agreement,

(a) the term "vehicle" shall mean motor vehicles, articulated vehicles, trailers and semi-trailers, as defined in article 4 of the Convention on Road Traffic of 19 September 1949, other than vehicles belonging to or under the orders of the armed forces of a Contracting Party,

(b) the term "dangerous goods" shall mean those substances and articles the international carriage by road of which is prohibited by, or authorized only on certain conditions by, Annexes A and B;

(c) the term "international transport" shall mean any transport operation performed on the territory of at least two Contracting Parties by vehicles defined in (a) above.

Article 2

1. Subject to the provisions of article 4, paragraph 3, dangerous goods barred from carriage by Annex A shall not be accepted for international transport.

2. International transport of other dangerous goods shall be authorized subject to compliance with:

(a) the conditions laid down in Annex A for the goods in question, in particular as regards their packaging and labelling, and

(b) the conditions laid down in Annex B, in particular as regards the construction, equipment and operation of the vehicle carrying the goods in question, subject to the provisions of article 4, paragraph 2.

Article 3

The Annexes to this Agreement shall form an integral part thereof.

Article 4

1. Each Contracting Party shall retain the right to regulate or prohibit, for reasons other than safety during carriage, the entry of dangerous goods into its territory.

2. Vehicles in service on the territory of a Contracting Party at the time of entry into force of this Agreement or brought into service on such territory within two months after its entry into force shall be allowed, for a period of three years from such entry into force, to perform the international transport of dangerous goods even if their construction and equipment do not entirely conform to the requirements laid down in Annex B for the transport operation in question. Under special clauses of Annex B, however, this period may be reduced.

3. The Contracting Parties shall retain the right to arrange, by special bilateral or multilateral agreements, that certain of the dangerous goods which under this Agreement are barred from all international transport may, subject to certain conditions, be accepted for international transport on their territories, or that dangerous goods which under this Agreement are acceptable for international transport only on specified conditions may be accepted for international transport on their territories under conditions less stringent than those laid down in the Annexes to this Agreement. The special bilateral or multilateral agreements referred to in this paragraph shall be communicated to the Secretary-General of the United Nations, who shall communicate them to the Contracting Parties which are not signatories to the said agreements.

Article 5

The transport operations to which this Agreement applies shall remain subject to national or international regulations applicable in general to road traffic, international road transport and international trade.

Article 6

1. Countries members of the Economic Commission for Europe and countries admitted to the Commission in a consultative capacity under paragraph 8 of the Commission's terms of reference may become Contracting Parties to this Agreement,

(a) by signing it;

(b) by ratifying it after signing it subject to ratification;

(c) by acceding to it.

2. Such countries as may participate in certain activities of the Economic Commission for Europe in accordance with paragraph 11 of the Commission's terms of reference may become Contracting Parties to this Agreement by acceding to it after its entry into force.

3. The Agreement shall be open for signature until 15 December 1957. Thereafter, it shall be open for accession.

4. Ratification or accession shall be effected by the depositing of an instrument with the Secretary-General of the United Nations.

Article 7

1. This agreement shall enter into force one month after the date on which the number of countries mentioned in article 6, paragraph 1, which have signed it without reservation of ratification or have deposited their instruments of ratification or accession has reached a total of five. However, the Annexes thereto shall not apply until six months after the entry into force of the Agreement itself.

2. For any country ratifying or acceding to this Agreement after five of the countries referred to in article 6, paragraph 1, have signed it without reservation of ratification or have deposited their instruments of ratification or accession, this Agreement shall enter into force one month after the said country has deposited its instrument of ratification or accession and the Annexes thereto shall apply for the said country either on the same date, if they are already in force by that date, or, if they are not in force by that date, on the date on which they apply under the provisions of paragraph 1 of this article.

Article 8

1. Any contracting Party may denounce this Agreement by so notifying the Secretary-General of the United Nations.

2. Denunciation shall take effect twelve months after the date of receipt by the Secretary-General of the notification of denunciation.

Article 9

1. This Agreement shall cease to have effect if, after its entry into force, the number of Contracting Parties is less than five during twelve consecutive months.

2. In the event of the conclusion of a worldwide agreement for the regulation of the transport of dangerous goods, any provision of this Agreement which is contrary to any provision of the said worldwide agreement shall, from the date on which the latter enters into force, automatically cease to apply to relations between the Parties to this Agreement which become parties to the worldwide agreement, and shall automatically be replaced by the relevant provision of the said worldwide agreement.

Article 10

1. Any country may, at the time of signing this Agreement without reservation of ratification or of depositing its instrument of ratification or accession or at any time thereafter, declare by notification addressed to the Secretary-General of the United Nations that this Agreement shall extend to all or any of the territories for the international relations of which it is responsible. The Agreement and the annexes thereto shall extend to the territory or territories named in the notification one month after it is received by the Secretary-General.

2. Any country which has made a declaration under paragraph 1 of this article extending this Agreement to any territory for whose international relations it is responsible may denounce the Agreement separately in respect of the said territory in accordance with the provisions of article 8.

Article 11

1. Any dispute between two or more Contracting Parties concerning the interpretation or application of this Agreement shall so far as possible be settled by negotiation between them.

2. Any dispute which is not settled by negotiation, shall be submitted to arbitration if any one of the Contracting Parties in dispute so requests and shall be referred accordingly to one or more arbitrators selected by agreement between the Parties in dispute. If within three months from the date of the request for arbitration the Parties in dispute are unable to agree on the selection of an arbitrator or arbitrators, any of those Parties may request the Secretary-General of the United Nations to nominate a single arbitrator to whom the dispute shall be referred for decision.

3. The decision of the arbitrator or arbitrators appointed under paragraph 2 of this article shall be binding on the Contracting Parties in dispute.

Article 12

1. Each Contracting Party may, at the time of signing, ratifying, or acceding to, this Agreement, declare that it does not consider itself bound by article 11. Other Contracting Parties shall not be bound by article 11 in respect of any Contracting Party which has entered such a reservation.

2. Any Contracting Party having entered a reservation as provided for in paragraph 1 of this article may at any time withdraw such reservation by notifying the Secretary-General of the United Nations.

Article 13

1. After this Agreement has been in force for three years, any Contracting Party may, by notification to the Secretary-General of the United Nations, request that a conference be convened for the purpose of reviewing the text of the Agreement. The Secretary-General shall notify all Contracting Parties of the request and a review conference shall be convened by the Secretary-General if, within a period of four months following the date of notification by the Secretary-General, not less than one-fourth of the Contracting Parties notify him of their concurrence with the request.

2. If a conference is convened in accordance with paragraph 1 of this article, the Secretary-General shall notify all the Contracting Parties and invite them to submit within a period of three months such proposals as they may wish the Conference to consider. The Secretary-General shall circulate to all Contracting Parties the provisional agenda for the conference, together with the texts of such proposals, at least three months before the date on which the conference is to meet.

3. The Secretary-General shall invite to any conference convened in accordance with this article all countries referred to in article 6, paragraph 1, and countries which have become Contracting Parties under article 6, paragraph 2.

Article 14[1]

1. Independently of the revision procedure provided for in article 13, any Contracting Party may propose one or more amendments to the Annexes to this Agreement. To that end it shall transmit the text thereof to the Secretary-General of the United Nations. The Secretary-General may also propose amendments to the Annexes to this Agreement for the purpose of ensuring concordance between those Annexes and other international agreements concerning the carriage of dangerous goods.

2. The Secretary-General shall transmit any proposal made under paragraph 1 of this article to all Contracting Parties and inform thereof the other countries referred to in article 6, paragraph 1.

3. Any proposed amendment to the Annexes shall be deemed to be accepted unless, within three months from the date on which the Secretary-General circulates it, at least one-third of the Contracting Parties, or five of them if one-third exceeds that figure, have given the Secretary-General written notification of their objection to the proposed amendment. If the amendment is deemed to be accepted, it shall enter into force for all the Contracting Parties, on the expiry of a further period of three months, except in the following cases:

(a) In cases where similar amendments have been or are likely to be made to the other international agreements referred to in paragraph 1 of this article, the amendment shall enter into force on the expiry of a period the duration of which shall be determined by the Secretary-General in such a way as to allow, wherever possible, the simultaneous entry into force of the amendment and those that have been made or are likely to be made to such other agreements; such period shall not, however, be of less than one month's duration;

(b) The Contracting Party submitting the proposed amendment may specify in its proposal, for the purpose of entry into force of the amendment, should it be accepted, a period of more than three months' duration.

4. The Secretary-General shall, as soon as possible, notify all Contracting Parties and all the countries referred to in article 6, paragraph 1, of any objection which may be received from the Contracting Parties to a proposed amendment.

5. If the proposed amendment to the Annexes is not deemed to be accepted, but if at least one Contracting Party other than the Contracting Party which proposed the amendment has given the Secretary-General written notification of its agreement to the proposal, a meeting of all the Contracting Parties and all the countries referred to in article 6, paragraph 1, shall be convened by the Secretary-General within three months after the expiry of the period of three months within which, under paragraph 3 of this article, notification must be given of objection to the amendment. The Secretary-General may also invite to such meeting representatives of:

(a) intergovernmental organizations which are concerned with transport matters;

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[1] ***Note by the Secretariat:*** *The text of Article 14, paragraph 3 incorporates a modification which entered into force on 19 April 1985 in accordance with a Protocol transmitted to Contracting Parties under cover of Depositary Notification C.N.229.1975 TREATIES-8 of 18 September 1975.*

(b) international non-governmental organizations whose activities are directly related to the transport of dangerous goods in the territories of the Contracting Parties

6. Any amendment adopted by more than half the total number of Contracting Parties at a meeting convened in accordance with paragraph 5 of this article shall enter into force for all Contracting Parties in accordance with the procedure agreed at such meeting by the majority of the Contracting Parties attending it

Article 15

In addition to the notifications provided for in articles 13 and 14, the Secretary-General of the United Nations shall notify the countries referred to in article 6, paragraph 1, and the countries which have become Contracting Parties under article 6, paragraph 2, of

(a) signatures, ratifications and accessions in accordance with article 6;

(b) the dates on which this Agreement and the Annexes thereto enter into force in accordance with article 7;

(c) denunciations in accordance with article 8;

(d) the termination of the Agreement in accordance with article 9;

(e) notifications and denunciations received in accordance with article 10;

(f) declarations and notifications received in accordance with article 12, paragraphs 1 and 2;

(g) the acceptance and date of entry into force of amendments in accordance with article 14, paragraphs 3 and 6

Article 16

1 The Protocol of Signature of this Agreement shall have the same force, effect and duration as the Agreement itself, of which it shall be considered to be an integral part.

2 No reservation to this Agreement, other than those entered in the Protocol of Signature and those made in accordance with article 12, shall be permitted.

Article 17

After 15 December 1957, the original of this Agreement shall be deposited with the Secretary-General of the United Nations, who shall transmit certified true copies thereof to each of the countries referred to in article 6, paragraph 1.

IN WITNESS WHEREOF the undersigned, being duly authorized thereto, have signed this Agreement.

DONE at Geneva, this thirtieth day of September one thousand nine hundred and fifty-seven, in a single copy, in the English and French languages for the text of the Agreement proper, and in the French language for the Annexes, each text being equally authentic for the Agreement proper.

The Secretary-General of the United Nations is requested to prepare an authoritative translation of the Annexes in the English language and attach it to the certified true copies referred to in article 17.

PROTOCOL OF SIGNATURE

PROTOCOL OF SIGNATURE

TO THE EUROPEAN AGREEMENT ON THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR)

On proceeding to sign the European Agreement on the International Carriage of Dangerous Goods by Road (ADR) the undersigned, duly authorized,

1. **CONSIDERING** that the conditions governing the carriage of dangerous goods by sea to or from the United Kingdom differ basically from those set forth in Annex A to ADR and that it is impossible to modify them so as to conform to the latter in the near future;

HAVING REGARD to the undertaking given by the United Kingdom to submit as an amendment to the said Annex A a special appendix containing special provisions for road-sea carriage of dangerous goods between the Continent and the United Kingdom;

HAVE AGREED that until the entry into force of such special appendix, dangerous goods carried under ADR to or from the United Kingdom shall comply with the provisions of Annex A to ADR and also with the United Kingdom conditions for the carriage of dangerous goods by sea;

2. **TAKE NOTE OF** a declaration by the representative of France to the effect that the Government of the French Republic reserves the right, notwithstanding the provisions of article 4, paragraph 2, to refuse to allow vehicles in service on the territory of another Contracting Party, whatever the date on which they were put into service, to be used for the carriage of dangerous goods on French territory unless such vehicles comply either with the conditions laid down for such carriage in Annex B or with the conditions laid down for the carriage of the goods in question in the French regulations governing the carriage of dangerous goods by road;

3. **RECOMMEND** that, before submission in accordance with article 14, paragraph 3, or article 15, paragraph 2, proposed amendments to this Agreement or its Annexes shall as far as possible first be discussed at meetings of experts of the Contracting Parties and, if necessary, of the other countries mentioned in article 6, paragraph 1, of the Agreement and of the international organizations mentioned in article 14, paragraph 5, of the Agreement.

ANNEX A

GENERAL PROVISIONS AND PROVISIONS CONCERNING DANGEROUS SUBSTANCES AND ARTICLES

PART 1

General provision

CHAPTER 1.1

SCOPE AND APPLICABILITY

1.1.1 **Structure**

Annexes A and B of ADR are grouped into nine parts. Annex A consists of Parts 1 to 7, and Annex B of Parts 8 and 9. Each part is subdivided into chapters and each chapter into sections and sub-sections. Within each part the number of the part is included with the numbers of the chapters, sections and sub-sections, for example Part 4, Chapter 2, Section 1 is numbered "4.2.1".

1.1.2 **Scope**

1.1.2.1 For the purposes of Article 2 of ADR, Annex A specifies:

(a) Dangerous goods which are barred from international carriage;

(b) Dangerous goods which are authorized for international carriage and the conditions attaching to them (including exemptions) particularly with regard to:

- classification of goods, including classification criteria and relevant test methods;
- use of packagings (including mixed packing);
- use of tanks (including filling);
- consignment procedures (including marking and labelling of packages and placarding and marking of means of transport as well as documentation and information required);
- provisions concerning the construction, testing and approval of packagings and tanks;
- use of means of transport (including loading, mixed loading and unloading).

1.1.2.2 Annex A contains certain provisions which, according to Article 2 of ADR, pertain to Annex B or to both Annexes A and B, as follows:

1.1.1	Structure
1.1.2.3	(Scope of Annex B)
1.1.2.4	
1.1.3.1	Exemptions related to the nature of the transport operation
1.1.3.6	Exemptions related to quantities carried per transport unit
1.1.4	Applicability of other regulations
1.1.4.5	Carriage other than by road
Chapter 1.2	Definitions and units of measurements
Chapter 1.3	Training of persons involved in the carriage of dangerous goods
Chapter 1.4	Safety obligations of the participants
Chapter 1.5	Derogations
Chapter 1.6	Transitional measures
Chapter 1.8	Checks and other support measures to ensure compliance with safety requirements
Chapter 1.9	Transport restrictions by the competent authorities

Chapter 1.10 Security provisions
Chapter 3.1 General
Chapter 3.2 Columns (1), (2), (14), (15) and (19) (application of provisions of Parts 8 and 9 to individual substances or articles).

1.1.2.2 For the purposes of Article 2 of ADR, Annex B specifies the conditions regarding the construction, equipment and operation of vehicles carrying dangerous goods authorized for carriage:

- requirements for vehicle crews, equipment, operation and documentation;

- requirements concerning the construction and approval of vehicles.

1.1.2.4 In Article 1(c) of ADR, the word "vehicles" need not refer to one and the same vehicle. An international transport operation may be performed by several different vehicles provided that the operation takes place on the territory of at least two Contracting Parties to ADR between the consignor and the consignee indicated in the transport document.

1.1.3 Exemptions

1.1.3.1 ***Exemptions related to the nature of the transport operation***

The provisions laid down in ADR do not apply to:

(a) The carriage of dangerous goods by private individuals where the goods in question are packaged for retail sale and are intended for their personal or domestic use or for their leisure or sporting activities provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage. When these goods are flammable liquids carried in refillable receptacles filled by, or for, a private individual, the total quantity shall not exceed 60 litres per receptacle and 240 litres per transport unit. Dangerous goods in IBCs, large packagings or tanks are not considered to be packaged for retail sale;

(b) The carriage of machinery or equipment not specified in this Annex and which happen to contain dangerous goods in their internal or operational equipment, provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage;

(c) The carriage undertaken by enterprises which is ancillary to their main activity, such as deliveries to or returns from building or civil engineering sites, or in relation to surveying, repairs and maintenance, in quantities of not more than 450 litres per packaging and within the maximum quantities specified in 1.1.3.6. Measures shall be taken to prevent any leakage of contents in normal conditions of carriage. These exemptions do not apply to Class 7.

Carriage undertaken by such enterprises for their supply or external or internal distribution does not fall within the scope of this exemption;

(d) The carriage undertaken by the competent authorities for the emergency response or under their supervision, insofar as such carriage is necessary in relation to the emergency response, in particular carriage undertaken:

- by breakdown vehicles carrying vehicles which have been involved in accidents or have broken down and contain dangerous goods; or

- to contain and recover the dangerous goods involved in an incident or accident and move them to the nearest appropriate safe place;

(c) Emergency transport intended to save human lives or protect the environment provided that all measures are taken to ensure that such transport is carried out in complete safety;

(f) The carriage of uncleaned empty static storage vessels which have contained gases of Class 2, groups A, O or F, substances of Class 3 or Class 9 belonging to packing group II or III or pesticides of Class 6.1 belonging to packing group II or III, subject to the following conditions:

- All openings with the exception of pressure relief devices (when fitted) are hermetically closed;

- Measures have been taken to prevent any leakage of contents in normal conditions of carriage; and

- The load is fixed in cradles or crates or other handling devices or to the vehicle or container in such a way that they will not become loose or shift during normal conditions of carriage.

This exemption does not apply to static storage vessels which have contained desensitized explosives or substances the carriage of which is prohibited by ADR.

NOTE: For radioactive material, see 1.7.1.4.

1.1.3.2 ***Exemptions related to the carriage of gases***

The provisions laid down in ADR do not apply to the carriage of:

(a) Gases contained in the tanks of a vehicle, performing a transport operation and destined for its propulsion or for the operation of any of its equipment (e.g. refrigerating equipment);

(b) Gases contained in the fuel tanks of vehicles transported. The fuel cock between gas tank and engine shall be closed and the electric contact open;

(c) Gases of Groups A and O (according to 2.2.2.1), if the pressure of the gas in the receptacle or tank at a temperature of 20 °C does not exceed 200 kPa (2 bar) and if the gas is not a liquefied or a refrigerated liquefied gas. This includes every kind of receptacle or tank, e.g. also parts of machinery and apparatus;

(d) Gases contained in the equipment used for the operation of the vehicle (e.g. fire extinguishers), including in spare parts (e.g. inflated pneumatic tyres); this exemption also applies to inflated pneumatic tyres carried as a load;

(e) Gases contained in the special equipment of vehicles and necessary for the operation of this special equipment during transport (cooling systems, fish-tanks, heaters, etc.) as well as spare receptacles for such equipment or uncleaned empty exchange receptacles, transported in the same transport unit;

(f) Gases contained in foodstuffs (except UN 1950), including carbonated beverages;

(g) Gases contained in balls intended for use in sports; and

(k) Gases contained in light bulbs provided they are packaged so that the projectile effects of any rupture of the bulb will be contained within the package.

1.1.3.3 ***Exemptions related to the carriage of liquid fuels***

The provisions laid down in ADR do not apply to the carriage of:

(a) Fuel contained in the tanks of a vehicle performing a transport operation and destined for its propulsion or for the operation of any of its equipment

The fuel may be carried in fixed fuel tanks, directly connected to the vehicle's engine and/or auxiliary equipment, which comply with the pertinent legal provisions, or may be carried in portable fuel containers (such as jerricans).

The total capacity of the fixed tanks shall not exceed 1500 litres per transport unit and the capacity of a tank fitted to a trailer shall not exceed 500 litres. A maximum of 60 litres per transport unit may be carried in portable fuel containers. These restrictions shall not apply to vehicles operated by the emergency services;

(b) Fuel contained in the tanks of vehicles or of other means of conveyance (such as boats) which are carried as a load, where it is destined for their propulsion or the operation of any of their equipment. Any fuel cocks between the engine or equipment and the fuel tank shall be closed during carriage unless it is essential for the equipment to remain operational. Where appropriate, the vehicles or other means of conveyance shall be loaded upright and secured against falling.

1.1.3.4 ***Exemptions related to special provisions or to dangerous goods packed in limited or excepted quantities***

NOTE: For radioactive material, see 1.7.1.4.

1.1.3.4.1 Certain special provisions of Chapter 3.3 exempt partially or totally the carriage of specific dangerous goods from the requirements of ADR. The exemption applies when the special provision is referred to in Column (6) of Table A of Chapter 3.2 against the dangerous goods entry concerned.

1.1.3.4.2 Certain dangerous goods may be subject to exemptions provided that the conditions of Chapter 3.4 are met.

1.1.3.4.3 Certain dangerous goods may be subject to exemptions provided that the conditions of Chapter 3.5 are met.

1.1.3.5 ***Exemptions related to empty uncleaned packagings***

Empty uncleaned packagings (including IBCs and large packagings) which have contained substances of Classes 2, 3, 4.1, 5.1, 6.1, 8 and 9 are not subject to the conditions of ADR if adequate measures have been taken to nullify any hazard. Hazards are nullified if adequate measures have been taken to nullify all hazards of Classes 1 to 9.

1.1.3.6 ***Exemptions related to quantities carried per transport unit***

1.1.3.6.1 For the purposes of this sub-section, dangerous goods are assigned to transport categories 0, 1, 2, 3, or 4, as indicated in Column (15) of Table A of Chapter 3.2. Empty uncleaned packagings having contained substances assigned to transport category "0" are also assigned to transport category "0". Empty uncleaned packagings having contained substances assigned to a transport category other than "0" are assigned to transport category "4".

1.1.3.6.2 Where the quantity of dangerous goods carried on a transport unit does not exceed the values indicated in column (3) of the table in 1.1.3.6.3 for a given transport category (when the dangerous goods carried in the transport unit belong to the same category) or the value calculated in accordance with 1.1.3.6.4 (when the dangerous goods carried in the transport unit belong to different transport categories), they may be carried in packages in one transport unit without application of the following provisions.

- Chapter 1.10 except for Class 1 explosives of UN Nos. 0029, 0030, 0059, 0065, 0073, 0104, 0237, 0255, 0267, 0288, 0289, 0290, 0360, 0361, 0364, 0365, 0366, 0439, 0440, 0441, 0455, 0456 and 0500 and except for Class 7 excepted packages of UN Nos. 2910 and 2911 if the activity level exceeds the A_1 value;
- Chapter 5.3;
- Section 5.4.3;
- Chapter 7.2, except for V5 and V8 of 7.2.4;
- CV1 of 7.5.11;
- Part 8 except for 8.1.2.1 (a),
  8.1.4.2 to 8.1.4.5,
  8.2.3,
  8.3.3,
  8.3.4,
  8.3.5,
  Chapter 8.4,
  S1(3) and (6),
  S2(1),
  S4,
  S14 to S21 and
  S24 of Chapter 8.5;
- Part 9.

1.1.3.6.3 Where the dangerous goods carried in the transport unit belong to the same category, the maximum total quantity per transport unit is indicated in column (3) of the table below

Transport category (1)	Substances or articles packing group or classification code/group or UN No. (2)	Maximum total quantity per transport unit (3)
0	Class 1: 1.1A/1.1C/1.2J/1.3J, and UN No. 0190 Class 3: UN No. 3343 Class 4.2: Substances belonging to packing group I Class 4.3: UN Nos. 1183, 1242, 1295, 1340, 1390, 1403, 1928, 2813, 2965, 2968, 2988, 3129, 3130, 3131, 3134, 3148, 3396, 3398 and 3399 Class 5.1: UN No. 2426 Class 6.1: UN Nos. 1051, 1600, 1613, 1614, 2312, 3250 and 3294 Class 6.2: UN Nos. 2814 and 2900 Class 7: UN Nos. 2912 to 2919, 2977, 2978 and 3321 to 3333 Class 8: UN No. 2215 (MALEIC ANHYDRIDE, MOLTEN) Class 9: UN Nos. 2315, 3151, 3152 and 3432 and apparatus containing such substances or mixtures and empty uncleaned packagings, except those classified under UN No. 2908, having contained substances classified in this transport category	0
1	Substances and articles belonging to packing group I and not classified in transport category 0 and substances and articles of the following classes: Class 1: 1.1B to 1.1J [*] 1.2B to 1.2J 1.3C 1.3G 1.3J 1.5D [*] Class 2: groups T, TC [*], TO, TF, TOC [*] and TFC aerosols: groups C, CO, FC, T, TF, TC, TO, TFC and TOC chemicals under pressure: UN Nos. 3502, 3503, 3504 and 3505 Class 4.1: UN Nos. 3221 to 3224 and 3231 to 3240 Class 5.2: UN Nos. 3101 to 3104 and 3111 to 3120	20
2	Substances or articles belonging to packing group II and not classified in transport categories 0, 1 or 4 and substances of the following classes Class 1: 1.4B to 1.4G and 1.6N Class 2: group F aerosols: group F chemicals under pressure, UN No. 3501 Class 4.1: UN Nos. 3225 to 3230 Class 5.2: UN Nos. 3105 to 3110 Class 6.1: substances and articles belonging to packing group III Class 9: UN No. 3245	333
3	Substances and articles belonging to packing group III and not classified in transport categories 0, 2 or 4 and substances and articles of the following classes: Class 2: groups A and O aerosols: groups A and O chemicals under pressure: UN No. 3500 Class 3: UN No. 3473 Class 4.2: UN No. 3476 Class 8: UN Nos. 2794, 2795, 2800, 3028 and 3477 Class 9: UN Nos. 2990 and 3072	1 000
4	Class 1: 1.4S Class 4.1: UN Nos. 1331, 1345, 1944, 1945, 2254 and 2623 Class 4.2: UN Nos. 1361 and 1362 packing group III Class 7: UN Nos. 2908 to 2911 Class 9: UN Nos. 3268 and 3499 and empty, uncleaned packagings having contained dangerous goods, except for those classified in transport category 0	unlimited

[*] *For UN Nos. 0081, 0082, 0084, 0241, 0331, 0332, 0482, 1005 and 1017, the total maximum quantity per transport unit shall be 50 kg.*

In the above table, "maximum total quantity per transport unit" means:

- For articles, gross mass in kilograms (for articles of Class 1, net mass in kilograms of the explosive substance; for dangerous goods in machinery and equipment specified in this Annex, the total quantity of dangerous goods contained therein in kilograms or litres as appropriate);
- For solids, liquefied gases, refrigerated liquefied gases and dissolved gases, net mass in kilograms;
- For liquids and compressed gases, nominal capacity of receptacles (see definition in 1.2.1) in litres.

1.1.3.6.4 Where dangerous goods of different transport categories are carried in the same transport unit, the sum of:

- The quantity of substances and articles of transport category 1 multiplied by "50";
- The quantity of substances and articles of transport category 1 referred to in Note a to the table in 1.1.3.6.3 multiplied by "20";
- The quantity of substances and articles of transport category 2 multiplied by "3"; and
- The quantity of substances and articles of transport category 3,

shall not exceed "1 000".

1.1.3.6.5 For the purposes of this sub-section, dangerous goods exempted in accordance with 1.1.3.2 to 1.1.3.5 shall not be taken into account.

1.1.3.7 ***Exemptions related to the carriage of lithium batteries***

The provisions laid down in ADR do not apply to

(a) Lithium batteries installed in a vehicle, performing a transport operation and destined for its propulsion or for the operation of any of its equipment,

(b) Lithium batteries contained in equipment for the operation of this equipment used or intended for use during carriage (e.g. a laptop).

1.1.3.8 *(Reserved)*

1.1.3.9 Exemptions related to dangerous goods used as a coolant or conditioner during carriage

When used in vehicles or containers for cooling or conditioning purposes, dangerous goods that are only asphyxiant (which dilute or replace the oxygen normally in the atmosphere) are only subject to the provisions of section 5.5.3.

1.1.4 Applicability of other regulations

1.1.4.1 *(Reserved)*

1.1.4.2 ***Carriage in a transport chain including maritime or air carriage***

1.1.4.2.1 Packages, containers, portable tanks and tank-containers, which do not entirely meet the requirements for packing, mixed packing, marking, labelling of packages or placarding and orange plate marking, of ADR, but are in conformity with the requirements of the IMDG

Code or the ICAO Technical Instructions shall be accepted for carriage in a transport chain including maritime or air carriage subject to the following conditions:

(a) If the packages are not marked and labelled in accordance with ADR, they shall bear markings and danger labels in accordance with the requirements of the IMDG Code or the ICAO Technical Instructions;

(b) The requirements of the IMDG Code or the ICAO Technical Instructions shall be applicable to mixed packing within a package;

(c) For carriage in a transport chain including maritime carriage, if the containers, portable tanks or tank-containers are not marked and placarded in accordance with Chapter 5.3 of this Annex, they shall be marked and placarded in accordance with Chapter 5.3 of the IMDG Code. In such case, only 5.3.2.4.1 of this Annex is applicable to the marking of the vehicle itself. For empty, uncleaned portable tanks and tank-containers, this requirement shall apply up to and including the subsequent transfer to a cleaning station.

This derogation does not apply in the case of goods classified as dangerous goods in classes 1 to 9 of ADR and considered as non-dangerous goods according to the applicable requirements of the IMDG Code or the ICAO Technical Instructions.

1.1.4.2.2 Transport units composed of a vehicle or vehicles other than those carrying containers, portable tanks or tank containers as provided for in 1.1.4.2.1 (c), which are not placarded in accordance with the provisions of 5.3.1 of ADR but which are marked and placarded in accordance with Chapter 5.3 of the IMDG Code, shall be accepted for carriage in a transport chain including maritime transport provided that the orange-coloured plate marking provisions of 5.3.2 of ADR are complied with.

1.1.4.2.3 For carriage in a transport chain including maritime or air carriage, the information required under 5.4.1 and 5.4.2 and under any special provision of Chapter 3.3 may be substituted by the transport document and information required by the IMDG Code or the ICAO Technical Instructions respectively provided that any additional information required by ADR is also included.

NOTE: For carriage in accordance with 1.1.4.2.1 see also 5.4.1.1.7. For carriage in containers, see also 5.4.2.

1.1.4.3 ***Use of IMO type portable tanks approved for maritime transport***

IMO type portable tanks (types 1, 2, 5 and 7) which do not meet the requirements of Chapters 6.7 or 6.8, but which were built and approved before 1 January 2003 in accordance with the provisions of the IMDG Code (Amdt. 29-98) may continue to be used provided that they meet the applicable periodic inspection and test provisions of the IMDG Code[1]. In addition, they shall meet the provisions corresponding to the instructions set out in columns (10) and (11) of Table A in Chapter 3.2 and the provisions of Chapter 4.2 of ADR. See also 4.2.0.1 of the IMDG Code.

1.1.4.4 *(Reserved)*

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[1] *The International Maritime Organization (IMO) has issued "Guidance on the Continued Use of Existing IMO Type Portable Tanks and Road Tank Vehicles for the Transport of Dangerous Goods" as circular DSC.1/Circ.12 and Corrigenda. The text of this guidance can be found on the IMO website at: www.imo.org.*

1.1.4.5 ***Carriage other than by road***

1.1.4.5.1 If the vehicle carrying out a transport operation subject to the requirements of ADR is conveyed over a section of the journey otherwise than by road haulage, then any national or international regulations which, on the said section, govern the carriage of dangerous goods by the mode of transport used for conveying the road vehicle shall alone be applicable to the said section of the journey.

1.1.4.5.2 In the cases referred to in 1.1.4.5.1 above, the involved ADR Contracting Parties may agree to apply the requirements of ADR to the section of a journey where a vehicle is conveyed otherwise than by road haulage, supplemented, if they consider it necessary, by additional requirements, unless such agreements between the involved ADR Contracting Parties would contravene clauses of the international conventions governing the carriage of dangerous goods by the mode of transport used for conveying the road vehicle on the said section of the journey, e.g. the International Convention for the Safety of Life at Sea (SOLAS), to which these ADR Contacting Parties would also be contracting parties.

These agreements shall be notified by the Contracting Party which has taken the initiative thereof to the Secretariat of the United Nations Economic Commission for Europe which shall bring them to the attention of the Contracting Parties.

1.1.4.5.3 In cases where a transport operation subject to the provisions of ADR is likewise subject over the whole or a part of the road journey to the provisions of an international convention which regulates the carriage of dangerous goods by a mode of transport other than road carriage by virtue of clauses extending the applicability of that convention to certain motor-vehicle services, then the provisions of that international convention shall apply over the journey in question concurrently with those of ADR which are not incompatible with them; the other clauses of ADR shall not apply over the journey in question.

1.1.5 **Application of standards**

Where the application of a standard is required and there is any conflict between the standard and the provisions of ADR, the provisions of ADR take precedence.

CHAPTER 1.2

DEFINITIONS AND UNITS OF MEASUREMENT

1.2.1 Definitions

NOTE: This section contains all general or specific definitions.

For the purposes of ADR:

A

"ADN" means the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;

"Aerosol or aerosol dispenser" means any non-refillable receptacle meeting the requirements of 6.2.6, made of metal, glass or plastics and containing a gas, compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state;

"Animal material" means animal carcasses, animal body parts, or animal foodstuffs;

"Applicant" means, in the case of conformity assessment, the manufacturer or its authorised representative in a country Contracting Party. In the case of periodic inspections, intermediate inspections and exceptional checks, *applicant* means the testing facility, the operator or their authorised representative in a country Contracting Party;

NOTE: *Exceptionally a third party (for instance a tank-container operator in accordance with the definition of 1.2.1) may apply for the conformity assessment.*

"Approval"

Multilateral approval, for the carriage of Class 7 material, means approval by the relevant competent authority of the country of origin of the design or shipment, as applicable, and by the competent authority of each country through or into which the consignment is to be carried;

Unilateral approval, for the carriage of Class 7 material, means an approval of a design which is required to be given by the competent authority of the country of origin of the design only. If the country of origin is not a Contracting Party to ADR, the approval shall require validation by the competent authority of the first Contracting Party to ADR reached by the consignment (see 6.4.22.6);

"ASTM" means the American Society for Testing and Materials (ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959, United States of America);

B

"Bag" means a flexible packaging made of paper, plastics film, textiles, woven material or other suitable material;

"Battery-vehicle" means a vehicle containing elements which are linked to each other by a manifold and permanently fixed to this vehicle. The following elements are considered to be elements of a battery-vehicle: cylinders, tubes, bundles of cylinders (also known as frames),

pressure drums as well as tanks destined for the carriage of gases as defined in 2.2.2.1.1 with a capacity of more than 450 litres,

"Body" (for all categories of IBC other than composite IBCs) means the receptacle proper, including openings and closures, but does not include service equipment;

"Box" means a packaging with complete rectangular or polygonal faces, made of metal, wood, plywood, reconstituted wood, fibreboard, plastics or other suitable material. Small holes for purposes of ease of handling or opening or to meet classification requirements, are permitted as long as they do not compromise the integrity of the packaging during carriage,

"Bulk container" means a containment system (including any liner or coating) intended for the carriage of solid substances which are in direct contact with the containment system. Packagings, intermediate bulk containers (IBCs), large packagings and tanks are not included.

A bulk container is:

of a permanent character and accordingly strong enough to be suitable for repeated use;

- specially designed to facilitate the carriage of goods by one or more means of transport without intermediate reloading;
- fitted with devices permitting its ready handling;
- of a capacity of not less than 1.0 m^3;

Examples of bulk containers are containers, offshore bulk containers, skips, bulk bins, swap bodies, trough-shaped containers, roller containers, load compartments of vehicles;

"Bundle of cylinders" means an assembly of cylinders that are fastened together and which are interconnected by a manifold and carried as a unit. The total water capacity shall not exceed 3 000 litres except that bundles intended for the carriage of toxic gases of Class 2 (groups starting with letter T according to 2.2.2.1.3) shall be limited to 1 000 litres water capacity;

C

"Calculation pressure" means a theoretical pressure at least equal to the test pressure which, according to the degree of danger exhibited by the substance being carried, may to a greater or lesser degree exceed the working pressure. It is used solely to determine the thickness of the walls of the shell, independently of any external or internal reinforcing device (see also *"Discharge pressure"*, *"Filling pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

NOTE: For portable tanks, see Chapter 6.7.

"Capacity of shell or shell compartment" for tanks, means the total inner volume of the shell or shell compartment expressed in litres or cubic metres. When it is impossible to completely fill the shell or the shell compartment because of its shape or construction, this reduced capacity shall be used for the determination of the degree of filling and for the marking of the tank;

"Cargo transport unit" means a vehicle, a container, a tank-container, portable tank or a MEGC;

NOTE: This definition applies only for the application of special provision 302 of Chapter 3.3 and of 5.5.2.

"Carriage" means the change of place of dangerous goods, including stops made necessary by transport conditions and including any period spent by the dangerous goods in vehicles, tanks and containers made necessary by traffic conditions before, during and after the change of place

This definition also covers the intermediate temporary storage of dangerous goods in order to change the mode or means of transport (trans-shipment) This shall apply provided that transport documents showing the place of dispatch and the place of reception are presented on request and provided that packages and tanks are not opened during intermediate storage, except to be checked by the competent authorities;

"Carriage in bulk" means the carriage of unpackaged solids or articles in vehicles or containers The term does not apply to packaged goods nor to substances carried in tanks;

"Carrier" means the enterprise which carries out the transport operation with or without a transport contract;

"CGA" means the Compressed Gas Association (CGA, 4221 Walney Road, 5th Floor, Chantilly VA 20151-2923, United States of America),

"CIM" means the Uniform Rules Concerning the Contract of International Carriage of Goods by Rail (Appendix B to the Convention concerning International Carriage by Rail (COTIF)), as amended:

"Closed container", see *"Container"*;

"Closed vehicle" means a vehicle having a body capable of being closed:

"Closure" means a device which closes an opening in a receptacle;

"CMR" means the Convention on the Contract for the International Carriage of Goods by Road (Geneva, 19 May 1956), as amended;

"Collective entry" means an entry for a defined group of substances or articles (see 2 1.1 2, B, C and D);

"Combination packaging" means a combination of packagings for carriage purposes, consisting of one or more inner packagings secured in an outer packing in accordance with 4.1.1.5;

NOTE: *The "inners" of "combination packagings" are always termed "inner packagings" and not "inner receptacles". A glass bottle is an example of such an "inner packaging".*

"Combustion heater" means a device directly using liquid or gaseous fuel and not using the waste heat from the engine used for propulsion of the vehicle;

"Competent authority" means the authority or authorities or any other body or bodies designated as such in each State and in each specific case in accordance with domestic law;

"Compliance assurance" (radioactive material) means a systematic programme of measures applied by a competent authority which is aimed at ensuring that the requirements of ADR are met in practice:

"Composite IBC with plastics inner receptacle" means an IBC comprising structural equipment in the form of a rigid outer casing enclosing a plastics inner receptacle together with any service or other structural equipment. It is so constructed that the inner receptacle and outer casing once assembled form, and are used as, an integrated single unit to be filled, stored, transported or emptied as such;

NOTE: *"Plastics material", when used in connection with inner receptacles for composite IBCs, is taken to include other polymeric materials such as rubber.*

"Composite packaging (plastics material)" is a packaging consisting of an inner plastics receptacle and an outer packaging (made of metal, fibreboard, plywood, etc.). Once assembled such a packaging remains thereafter an inseparable unit, it is filled, stored, despatched and emptied as such;

NOTE: *See* ***NOTE*** *under "Composite packagings (glass, porcelain or stoneware)".*

"Composite packaging (glass, porcelain or stoneware)" is a packaging consisting of an inner glass, porcelain or stoneware receptacle and an outer packaging (made of metal, wood, fibreboard, plastics material, expanded plastics material, etc.). Once assembled, such a packaging remains thereafter an inseparable unit; it is filled, stored, despatched and emptied as such;

NOTE: *The "inners" of "composite packagings" are normally termed "inner receptacles". For example, the "inner" of a 6HA1 (composite packaging, plastics material) is such an "inner receptacle" since it is normally not designed to perform a containment function without its "outer packaging" and is not therefore an "inner packaging".*

"Confinement system", for the carriage of Class 7 material, means the assembly of fissile material and packaging components specified by the designer and agreed to by the competent authority as intended to preserve criticality safety;

"Conformity assessment" means the process of verifying the conformity of a product according to the provisions of sections 1.8.6 and 1.8.7 related to type approval, supervision of manufacture and initial inspection and testing;

"Consignee" means the consignee according to the contract for carriage. If the consignee designates a third party in accordance with the provisions applicable to the contract for carriage, this person shall be deemed to be the consignee within the meaning of ADR. If the transport operation takes place without a contract for carriage, the enterprise which takes charge of the dangerous goods on arrival shall be deemed to be the consignee;

"Consignment" means any package or packages, or load of dangerous goods, presented by a consignor for carriage;

"Consignor" means the enterprise which consigns dangerous goods either on its own behalf or for a third party. If the transport operation is carried out under a contract for carriage, consignor means the consignor according to the contract for carriage;

"Container" means an article of transport equipment (lift van or other similar structure):

- of a permanent character and accordingly strong enough to be suitable for repeated use;
- specially designed to facilitate the carriage of goods, by one or more means of transport, without breakage of load.

fitted with devices permitting its ready stowage and handling, particularly when being transloaded from one means of transport to another;

- so designed as to be easy to fill and empty;
- having an internal volume of not less than 1 m^3, except for containers for the carriage of radioactive material;

In addition:

"Small container" means a container which has either any overall outer dimension (length, width or height) less than 1.5 m, or an internal volume of not more than 3 m^3;

"Large container" means

(a) A container which does not meet the definition of a small container;

(b) In the meaning of the CSC, a container of a size such that the area enclosed by the four outer bottom corners is either

(i) at least 14 m^2 (150 square feet); or

(ii) at least 7 m^2 (75 square feet) if fitted with top corner fittings;

"Closed container" means a totally enclosed container having a rigid roof, rigid side walls, rigid end walls and a floor. The term includes containers with an opening roof where the roof can be closed during transport;

"Open container" means an open top container or a platform based container;

"Sheeted container" means an open container equipped with a sheet to protect the goods loaded;

A *"swap body"* is a container which, in accordance with EN 283.1991 has the following characteristics:

- from the point of view of mechanical strength, it is only built for carriage on a wagon or a vehicle on land or by roll-on roll-off ship;
- it cannot be stacked;
- it can be removed from vehicles by means of equipment on board the vehicle and on its own supports, and can be reloaded.

NOTE: *The term "container" does not cover conventional packagings, IBCs, tank-containers or vehicles. Nevertheless, a container may be used as a packaging for the carriage of radioactive material.*

"Containment system", for the carriage of Class 7 material, means the assembly of components of the packaging specified by the designer as intended to retain the radioactive material during carriage;

"Control temperature" means the maximum temperature at which the organic peroxide or the self-reactive substance can be safely carried;

"Conveyance" means, for carriage by road or by rail, a vehicle or a wagon;

"Criticality safety index (CSI) assigned to a package, overpack or container containing fissile material", for the carriage of Class 7 material, means a number which is used to provide control over the accumulation of packages, overpacks or containers containing fissile material;

"CSC" means the International Convention for Safe Containers (Geneva, 1972) as amended and published by the International Maritime Organization (IMO), London.

"Crate" means an outer packaging with incomplete surfaces;

"Critical temperature" means the temperature above which the substance cannot exist in the liquid state;

"Cryogenic receptacle" means a transportable thermally insulated pressure receptacle for refrigerated liquefied gases of a water capacity of not more than 1 000 litres (see also *"Open cryogenic receptacle"*);

"Cylinder" means a transportable pressure receptacle of a water capacity not exceeding 150 litres (see also *"Bundle of cylinders"*);

D

"Dangerous goods" means those substances and articles the carriage of which is prohibited by ADR, or authorized only under the conditions prescribed therein;

"Dangerous reaction" means:

(a) Combustion or evolution of considerable heat;

(b) Evolution of flammable, asphyxiant, oxidizing or toxic gases;

(c) The formation of corrosive substances;

(d) The formation of unstable substances; or

(e) Dangerous rise in pressure (for tanks only);

"Demountable tank" means a tank, other than a fixed tank, a portable tank, a tank-container or an element of a battery-vehicle or a MEGC which has a capacity of more than 450 litres, is not designed for the carriage of goods without breakage of load, and normally can only be handled when it is empty;

"Design", for the carriage of Class 7 material, means the description of special form radioactive material, low dispersible radioactive material, package or packaging which enables such an item to be fully identified. The description may include specifications, engineering drawings, reports demonstrating compliance with regulatory requirements, and other relevant documentation;

"Discharge pressure" means the maximum pressure actually built up in the tank when it is being discharged under pressure (see also *"Calculation pressure"*, *"Filling pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

"Drum" means a flat ended or convex-ended cylindrical packaging made out of metal, fibreboard, plastics, plywood or other suitable materials. This definition also includes packagings of other shapes, e.g. round, taper-necked packagings or pail-shaped packagings. Wooden barrels and jerricans are not covered by this definition;

E

"EC Directive" means provisions decided by the competent institutions of the European Community and which are binding, as to the result to be achieved, upon each Member State to which it is addressed, but shall leave to the national authorities the choice of form and methods;

"ECE Regulation" means a regulation annexed to the Agreement concerning the adoption of uniform technical prescriptions for wheeled vehicles equipment and parts which can be fitted and or used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions (1958 Agreement, as amended);

"Emergency temperature" means the temperature at which emergency procedures shall be implemented in the event of loss of temperature control;

"EN" (standard) means a European standard published by the European Committee for Standardization (CEN) (CEN, Avenue Marnix 17, B-1000 Brussels);

"Enterprise" means any natural person, any legal person, whether profit-making or not, any association or group of persons without legal personality, whether profit-making or not, or any official body, whether it has legal personality itself or is dependent upon an authority that has such personality;

"Exclusive use", for the carriage of Class 7 material, means the sole use, by a single consignor, of a vehicle or of a large container, in respect of which all initial, intermediate and final loading and unloading is carried out in accordance with the directions of the consignor or consignee;

F

"Fibreboard IBC" means a fibreboard body with or without separate top and bottom caps, if necessary an inner liner (but no inner packagings), and appropriate service and structural equipment;

"Filler" means any enterprise which loads dangerous goods into a tank (tank-vehicle, demountable tank, portable tank or tank-container) and/or into a vehicle, large container or small container for carriage in bulk, or into a battery-vehicle or MEGC;

"Filling pressure" means the maximum pressure actually built up in the tank when it is being filled under pressure (see also *"Calculation pressure"*, *"Discharge pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

"Filling ratio" means the ratio of the mass of gas to the mass of water at 15 °C that would fill completely a pressure receptacle fitted ready for use;

"Fixed tank" means a tank having a capacity of more than 1 000 litres which is permanently attached to a vehicle (which then becomes a tank-vehicle) or is an integral part of the frame of such vehicle;

"Flammable component" (for aerosols) means flammable liquids, flammable solids or flammable gases and gas mixtures as defined in Notes 1 to 3 of sub-section 31.1.3 of Part III of the Manual of Tests and Criteria. This designation does not cover pyrophoric, self-heating or water-reactive substances. The chemical heat of combustion shall be determined by one of the following methods ASTM D 240, ISO/FDIS 13943:1999 (E/F) 86.1 to 86.3 or NFPA 30B;

"Flash-point" means the lowest temperature of a liquid at which its vapours form a flammable mixture with air.

"Flexible IBC" means a body constituted of film, woven fabric or any other flexible material or combinations thereof, and if necessary, an inner coating or liner, together with any appropriate service equipment and handling devices;

"Fuel cell" means an electrochemical device that converts the chemical energy of a fuel to electrical energy, heat and reaction products;
"Fuel cell engine" means a device used to power equipment and which consists of a fuel cell and its fuel supply, whether integrated with or separate from the fuel cell, and includes all appurtenances necessary to fulfil its function;

"Full load" means any load originating from one consignor for which the use of a vehicle or of a large container is exclusively reserved and all operations for the loading and unloading of which are carried out in conformity with the instructions of the consignor or of the consignee;

NOTE: *The corresponding term for Class 7 is "exclusive use".*

G

"Gas" means a substance which:

(a) At 50 °C has a vapour pressure greater than 300 kPa (3 bar); or

(b) Is completely gaseous at 20 °C under standard pressure of 101.3 kPa;

"Gas cartridge", see *"Small receptacle containing gas"*;

"GHS" means the fourth revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals, published by the United Nations as document ST/SG/AC.10/30/Rev.4;

H

"Handling device" (for flexible IBCs) means any sling, loop, eye or frame attached to the body of the IBC or formed from the continuation of the IBC body material;

"Hermetically closed tank" means a tank intended for the carriage of liquid substances with a calculation pressure of at least 4 bar or intended for the carriage of solid substances (powdery or granular) regardless of its calculation pressure, the openings of which are hermetically closed and which:

- is not equipped with safety valves, bursting discs, other similar safety devices or vacuum valves; or
- is not equipped with safety valves, bursting discs or other similar safety devices, but is equipped with vacuum valves, in accordance with the requirements of 6.8.2.2.3; or
- is equipped with safety valves preceded by a bursting disc according to 6.8.2.2.10, but is not equipped with vacuum valves; or
- is equipped with safety valves preceded by a bursting disc according to 6.8.2.2.10 and vacuum valves, in accordance with the requirements of 6.8.2.2.3;

I

"IAEA" means the International Atomic Energy Agency (IAEA). (IAEA, P.O. Box 100 A - 1400 Vienna);

"IBC", see *"Intermediate bulk container"*;

"ICAO" means the International Civil Aviation Organization (ICAO). 999 University Street, Montreal, Quebec H3C 5H7, Canada).

"ICAO Technical Instructions" means the Technical Instructions for the Safe Transport of Dangerous Goods by Air, which complement Annex 18 to the Chicago Convention on International Civil Aviation (Chicago 1944), published by the International Civil Aviation Organization (ICAO) in Montreal;

"IMDG Code" means the International Maritime Dangerous Goods Code, for the implementation of Chapter VII, Part A, of the International Convention for the Safety of Life at Sea, 1974 (SOLAS Convention), published by the International Maritime Organization (IMO), London;

"IMO" means the International Maritime Organization (IMO, 4 Albert Embankment, London SE1 7SR, United Kingdom);

"Inner packaging" means a packaging for which an outer packaging is required for carriage;

"Inner receptacle" means a receptacle which requires an outer packaging in order to perform its containment function;

"Inspection body" means an independent inspection and testing body approved by the competent authority;

"Intermediate bulk container" (IBC) means a rigid, or flexible portable packaging, other than those specified in Chapter 6.1, that:

(a) Has a capacity of:

(i) not more than 3 m^3 for solids and liquids of packing groups II and III;

(ii) not more than 1.5 m^3 for solids of packing group I when packed in flexible, rigid plastics, composite, fibreboard and wooden IBCs;

(iii) not more than 3 m^3 for solids of packing group I when packed in metal IBCs;

(iv) not more than 3 m^3 for radioactive material of Class 7;

(b) Is designed for mechanical handling;

(c) Is resistant to the stresses produced in handling and transport as determined by the tests specified in Chapter 6.5;

(see also *"Composite IBC with plastics inner receptacle"*, *"Fibreboard IBC"*, *"Flexible IBC"*, *"Metal IBC"*, *"Rigid plastics IBC"* and *"Wooden IBC"*)

NOTE 1: *Portable tanks or tank-containers that meet the requirements of Chapter 6.7 or 6.8 respectively are not considered to be intermediate bulk containers (IBCs).*

NOTE 2: Intermediate bulk containers (IBCs) which meet the requirements of Chapter 6.5 are not considered to be containers for the purposes of ADR.

"Remanufactured IBC" means a metal, rigid plastics or composite IBC that:

(a) Is produced as a UN type from a non-UN type; or

(b) Is converted from one UN design type to another UN design type.

Remanufactured IBCs are subject to the same requirements of ADR that apply to new IBCs of the same type (see also design type definition in 6.5.6.1.1);

"Repaired IBC" means a metal, rigid plastics or composite IBC that, as a result of impact or for any other cause (e.g. corrosion, embrittlement or other evidence of reduced strength as compared to the design type) is restored so as to conform to the design type and to be able to withstand the design type tests. For the purposes of ADR, the replacement of the rigid inner receptacle of a composite IBC with a receptacle conforming to the original design type from the same manufacturer is considered repair. However, routine maintenance of rigid IBCs is not considered repair. The bodies of rigid plastics IBCs and the inner receptacles of composite IBCs are not repairable. Flexible IBCs are not repairable unless approved by the competent authority;

"Routine maintenance of flexible IBCs" means the routine performance on plastics or textile flexible IBCs of operations, such as:

(a) Cleaning; or

(b) Replacement of non-integral components, such as non-integral liners and closure ties, with components conforming to the original manufacturer's specification;

provided that these operations do not adversely affect the containment function of the flexible IBC or alter the design type.

"Routine maintenance of rigid IBCs" means the routine performance on metal, rigid plastics or composite IBCs of operations such as:

(a) Cleaning;

(b) Removal and reinstallation or replacement of body closures (including associated gaskets), or of service equipment, conforming to the original manufacturer's specifications, provided that the leaktightness of the IBC is verified; or

(c) Restoration of structural equipment not directly performing a dangerous goods containment or discharge pressure retention function so as to conform to the design type (e.g. the straightening of legs or lifting attachments) provided that the containment function of the IBC is not affected;

"Intermediate packaging" means a packaging placed between inner packagings or articles, and an outer packaging;

"ISO" (standard) means an international standard published by the International Organization for Standardization (ISO) (ISO – 1, rue de Varembe, CH-1204 Geneva 20);

J

"Jerrican" means a metal or plastics packaging of rectangular or polygonal cross-section with one or more orifices;

L

"Large container", see *"Container"*;

"Large packaging" means a packaging consisting of an outer packaging which contains articles or inner packagings and which

(a) Is designed for mechanical handling;

(b) Exceeds 400 kg net mass or 450 litres capacity but has a volume of not more than 3 m^3;

"Leakproofness test" means a test to determine the leakproofness of a tank, a packaging or an IBC and of the equipment and closure devices;

NOTE: *For portable tanks, see Chapter 6.7*

"Light-gauge metal packaging" means a packaging of circular, elliptical, rectangular or polygonal cross-section (also conical) and taper-necked and pail-shaped packaging made of metal, having a wall thickness of less than 0.5 mm (e.g. tinplate), flat or convex bottomed and with one or more orifices, which is not covered by the definitions for drums or jerricans;

"Liner" means a tube or bag inserted into a packaging, including large packagings or IBCs, but not forming an integral part of it, including the closures of its openings;

"Liquid" means a substance which at 50 °C has a vapour pressure of not more than 300 kPa (3 bar), which is not completely gaseous at 20 °C and 101.3 kPa, and which

(a) Has a melting point or initial melting point of 20 °C or less at a pressure of 101.3 kPa; or

(b) Is liquid according to the ASTM D 4359-90 test method; or

(c) Is not pasty according to the criteria applicable to the test for determining fluidity (penetrometer test) described in 2.3.4;

NOTE: *"Carriage in the liquid state", for the purpose of tank requirements, means:*

- *Carriage of liquids according to the above definition; or*
- *Solids handed over for carriage in the molten state.*

"Liquefied Petroleum Gas (LPG)" means a low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN Nos. 1011, 1075, 1965, 1969 or 1978 only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases;

NOTE 1: *Flammable gases assigned to other UN numbers shall not be regarded as LPG.*

NOTE 2: *For UN No. 1075 see NOTE 2 under 2F, UN No. 1965, in the table for Liquefied gases in 2.2.2.3.*

"Loader" means any enterprise which

(a) Loads packaged dangerous goods, small containers or portable tanks into or onto a vehicle or a container; or

(b) Loads a container, bulk-container, MEGC, tank-container or portable tank onto a vehicle.

M

"Manual of Tests and Criteria" means the fifth revised edition of the Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, published by the United Nations (ST/SG/AC.10/11/Rev.5 as amended by document ST/SG/AC.10/11/Rev.5/Amend.1),

"Mass of package" means gross mass of the package unless otherwise stated. The mass of containers and tanks used for the carriage of goods is not included in the gross mass;

"Maximum capacity" means the maximum inner volume of receptacles or packagings including intermediate bulk containers (IBCs) and large packagings expressed in cubic metres or litres;

"Maximum net mass" means the maximum net mass of contents in a single packaging or maximum combined mass of inner packagings and the contents thereof expressed in kilograms;

"Maximum normal operating pressure", for the carriage of Class 7 material, means the maximum pressure above atmospheric pressure at mean sea-level that would develop in the containment system in a period of one year under the conditions of temperature and solar radiation corresponding to environmental conditions in the absence of venting, external cooling by an ancillary system, or operational controls during carriage;

"Maximum permissible gross mass"

(a) (for IBCs) means the mass of the IBC and any service or structural equipment together with the maximum net mass;

(b) (for tanks) means the tare of the tank and the heaviest load authorized for carriage;

NOTE: *For portable tanks, see Chapter 6.7.*

"Maximum working pressure (gauge pressure)" means the highest of the following three pressures:

(a) The highest effective pressure allowed in the tank during filling (maximum filling pressure allowed);

(b) The highest effective pressure allowed in the tank during discharge (maximum discharge pressure allowed); and

(c) The effective gauge pressure to which the tank is subjected by its contents (including such extraneous gases as it may contain) at the maximum working temperature.

Unless the special requirements prescribed in Chapter 4.3 provide otherwise, the numerical value of this working pressure (gauge pressure) shall not be lower than the vapour pressure (absolute pressure) of the filling substance at 50 °C.

For tanks equipped with safety valves (with or without bursting disc) other than tanks for the carriage of compressed, liquefied or dissolved gases of Class 2, the maximum working pressure (gauge pressure) shall however be equal to the prescribed opening pressure of such safety valves.

(See also *"Calculation pressure"*, *"Discharge pressure"*, *"Filling pressure"* and *"Test pressure"*);

NOTE 1: *For portable tanks, see Chapter 6.7.*

NOTE 2: *For closed cryogenic receptacles, see NOTE to 6.2.1.3.6.5.*

"MEGC", see "Multiple-element gas container".

"Member of a vehicle crew" means a driver or any other person accompanying the driver for safety, security, training or operational reasons;

"MEMU", see "Mobile explosives manufacturing unit".

"Metal hydride storage system" means a single complete hydrogen storage system, including a receptacle, metal hydride, pressure relief device, shut-off valve, service equipment and internal components used for the carriage of hydrogen only;

"Metal IBC" means a metal body together with appropriate service and structural equipment;

"Mild steel" means a steel having a minimum tensile strength between 360 N/mm^2 and 440 N/mm^2;

NOTE: *For portable tanks, see Chapter 6.7.*

"Mobile explosives manufacturing unit" (MEMU) means a unit, or a vehicle mounted with a unit, for manufacturing and charging explosives from dangerous goods that are not explosives. The unit consists of various tanks and bulk containers and process equipment as well as pumps and related equipment. The MEMU may have special compartments for packaged explosives.

NOTE: *Even though the definition of MEMU includes the expression "manufacturing and charging explosives" the requirements for MEMUs apply only to carriage and not to manufacturing and charging of explosives.*

"Multiple-element gas container" (MEGC) means a unit containing elements which are linked to each other by a manifold and mounted on a frame. The following elements are considered to be elements of a multiple-element gas container: cylinders, tubes, pressure drums and bundles of cylinders as well as tanks for the carriage of gases as defined in 2.2.2.1.1 having a capacity of more than 450 litres;

NOTE: *For UN MEGCs, see Chapter 6.7.*

N

"Net explosive mass (NEM)" means the total mass of the explosive substances, without the packagings, casings, etc. *(Net explosive quantity (NEQ), net explosive contents (NEC), net explosive weight (NEW)* or *net mass of explosive contents* are often used to convey the same meaning;

"Nominal capacity of the receptacle" means the nominal volume of the dangerous substance contained in the receptacle expressed in litres. For compressed gas cylinders the nominal capacity shall be the water capacity of the cylinder;

"N.O.S. entry (not otherwise specified entry)" means a collective entry to which substances, mixtures, solutions or articles may be assigned if they:

(a) Are not mentioned by name in Table A of Chapter 3.2; and

(b) Exhibit chemical, physical and/or dangerous properties corresponding to the Class, classification code, packing group and the name and description of the n.o.s. entry;

O

"Offshore bulk container" means a bulk container specially designed for repeated use for carriage to, from and between offshore facilities. An offshore bulk container is designed and constructed in accordance with the guidelines for the approval of offshore containers handled in open seas specified by the International Maritime Organization (IMO) in document MSC/Circ.860;

"Open container", see *"Container"*,

"Open cryogenic receptacle" means a transportable thermally insulated receptacle for refrigerated liquefied gases maintained at atmospheric pressure by continuous venting of the refrigerated liquefied gas,

"Open vehicle" means a vehicle the platform of which has no superstructure or is merely provided with side boards and a tailboard;

"Outer packaging" means the outer protection of the composite or combination packaging, together with any absorbent materials, cushioning and any other components necessary to contain and protect inner receptacles or inner packagings;

"Overpack" means an enclosure used (by a single consignor in the case of Class 7) to contain one or more packages, consolidated into a single unit easier to handle and stow during carriage;

Examples of overpacks:

(a) A loading tray such as a pallet, on which several packages are placed or stacked and secured by a plastics strip, shrink or stretch wrapping or other appropriate means, or

(b) An outer protective packaging such as a box or a crate;

P

"Package" means the complete product of the packing operation, consisting of the packaging or large packaging or IBC and its contents prepared for dispatch. The term includes receptacles for gases as defined in this section as well as articles which, because of their size, mass or configuration may be carried unpackaged or carried in cradles, crates or handling devices. Except for the carriage of radioactive material, the term does not apply to goods which are carried in bulk, nor to substances carried in tanks;

NOTE: For radioactive material, see 2.2.7.2.4.1.9.1.1 and Chapter 6.4.

"Packaging" means one or more receptacles and any other components or materials necessary for the receptacles to perform their containment and other safety functions (see also *"Combination packaging"*, *"Composite packaging (plastics material)"*, *"Composite packaging (glass, porcelain or stoneware)"*, *"Inner packaging"*, *"Intermediate bulk container (IBC)"*, *"Intermediate packaging"*, *"Large packaging"*, *"Light-gauge metal packaging"* *"Outer packaging"*, *"Reconditioned packaging"*, *"Remanufactured packaging"*, *"Reused packaging"*, *"Salvage packaging"* and *"Sift-proof packaging"*);

"Packer" means any enterprise which puts dangerous goods into packagings, including large packagings and intermediate bulk containers (IBCs) and, where necessary, prepares packages for carriage;
"Packing group" means a group to which, for packing purposes, certain substances may be assigned in accordance with their degree of danger. The packing groups have the following meanings which are explained more fully in Part 2:

Packing group I: Substances presenting high danger;
Packing group II: Substances presenting medium danger; and
Packing group III: Substances presenting low danger;

NOTE: Certain articles containing dangerous goods are assigned to a packing group

"Portable tank" means a multimodal tank having, when used for the carriage of gases as defined in 2.2.2.1.1, a capacity of more than 450 litres in accordance with the definitions in Chapter 6.7 of the IMDG Code and indicated by a portable tank instruction (T Code) in Column (10) of Table A of Chapter 3.2;

"Portable tank operator", see *"Tank-container/portable tank operator"*;

"Pressure drum" means a welded transportable pressure receptacle of a water capacity exceeding 150 litres and of not more than1 000 litres, (e.g. cylindrical receptacles equipped with rolling hoops, spheres on skids);"

"Pressure receptacle" means a collective term that includes cylinders, tubes, pressure drums, closed cryogenic receptacles, metal hydride storage systems, bundles of cylinders and salvage pressure receptacles;

"Pressurized gas cartridge", see *"Aerosol or aerosol dispenser"*;

"Protected IBC" (for metal IBCs) means an IBC provided with additional protection against impact, the protection taking the form of, for example, a multi-layer (sandwich) or double-wall construction, or a frame with a metal lattice-work casing.

Q

"Quality assurance" means a systematic programme of controls and inspections applied by any organization or body which is aimed at providing confidence that the safety prescriptions in ADR are met in practice;

R

"Radiation level", for the carriage of Class 7 material, means the corresponding dose rate expressed in millisieverts per hour;

"Radioactive contents", for the carriage of Class 7 material, mean the radioactive material together with any contaminated or activated solids, liquids, and gases within the packaging;

"Receptacle" (Class 1) includes boxes, bottles, cans, drums, jars and tubes, including any means of closure used in the inner or intermediate packaging;

"Receptacle" means a containment vessel for receiving and holding substances or articles, including any means of closing. This definition does not apply to shells (see also *"Cryogenic receptacle"*, *"Inner receptacle"*, *"Pressure receptacle"*, *"Rigid outer receptacle"* and *"Gas cartridge"*);

"Reconditioned packaging" means in particular

(a) Metal drums that are:

(i) cleaned to original materials of construction, with all former contents, internal and external corrosion, and external coatings and labels removed;

(ii) restored to original shape and contour, with chimes (if any) straightened and sealed and all non-integral gaskets replaced; and

(iii) inspected after cleaning but before painting, with rejection of packagings with visible pitting, significant reduction in the material thickness, metal fatigue, damaged threads or closures or other significant defects;

(b) Plastics drums and jerricans that:

(i) are cleaned to original materials of construction, with all former contents, external coatings and labels removed;

(ii) have all non-integral gaskets replaced; and

(iii) are inspected after cleaning with rejection of packagings with visible damage such as tears, creases or cracks, or damaged threads or closures or other significant defects;

"Recycled plastics material" means material recovered from used industrial packagings that has been cleaned and prepared for processing into new packagings;

"Reel" (Class 1) means a device made of plastics, wood, fibreboard, metal or other suitable material comprising a central spindle with, or without, side walls at each end of the spindle. Articles and substances can be wound onto the spindle and may be retained by side walls;

"Reference steel" means a steel with a tensile strength of 370 N/mm^2 and an elongation at fracture of 27%;

"Remanufactured IBC": see *"Intermediate Bulk Container (IBC)"*;

"Remanufactured large packaging" means a metal or rigid plastics large packaging that:

(a) Is produced as a UN type from a non-UN type; or

(b) Is converted from one UN design type to another UN design type.

Remanufactured large packagings are subject to the same requirements of ADR that apply to new large packagings of the same type (see also design type definition in 6.6.5.1.2);

"*Remanufactured packaging*" means in particular

(a) Metal drums that:

(i) are produced as a UN type complying with the requirements of Chapter 6.1 from a non-UN type;

(ii) are converted from one UN type complying with the requirements of Chapter 6.1 to another UN type; or

(iii) undergo the replacement of integral structural components (such as non-removable heads);

(b) Plastics drums that:

(i) are converted from one UN type to another UN type (e.g. 1H1 to 1H2), or

(ii) undergo the replacement of integral structural components

Remanufactured drums are subject to the requirements of Chapter 6.1 which apply to new drums of the same type;

"*Repaired IBC*", see "*Intermediate Bulk Container (IBC)*".

"*Reused large packaging*" means a large packaging to be refilled which has been examined and found free of defects affecting the ability to withstand the performance tests; the term includes those which are refilled with the same or similar compatible contents and are carried within distribution chains controlled by the consignor of the product.

"*Reused packaging*" means a packaging which has been examined and found free of defects affecting the ability to withstand the performance tests. The term includes those which are refilled with the same or similar compatible contents and are carried within distribution chains controlled by the consignor of the product;

"*RID*" means Regulations concerning the International Carriage of Dangerous Goods by Rail (Appendix C of COTIF (Convention concerning international carriage by rail));

"*Rigid inner receptacle*" (for composite IBCs) means a receptacle which retains its general shape when empty without its closures in place and without benefit of the outer casing. Any inner receptacle that is not "rigid" is considered to be "flexible".

"*Rigid plastics IBC*" means a rigid plastics body, which may have structural equipment together with appropriate service equipment;

"*Routine maintenance of flexible IBCs*", see "*Intermediate Bulk Container (IBC)*";

"*Routine maintenance of rigid IBCs*", see "*Intermediate Bulk Container (IBC)*";

S

"*Safety valve*" means a spring-loaded device which is activated automatically by pressure the purpose of which is to protect the tank against unacceptable excess internal pressure;

"*SADT*" see "*Self-accelerating decomposition temperature*",

"*Salvage packaging*" means a special packaging into which damaged, defective, leaking or non-conforming dangerous goods packages, or dangerous goods that have spilled or leaked are placed for purposes of carriage for recovery or disposal;

"Salvage pressure receptacle" means a pressure receptacle with a water capacity not exceeding 1 000 litres into which are placed damaged, defective, leaking or non-conforming pressure receptacle(s) for the purpose of carriage e.g. for recovery or disposal;

"Self-accelerating decomposition temperature" (SADT), means the lowest temperature at which self-accelerating decomposition may occur with substance in the packaging as used during carriage. Provisions for determining the SADT and the effects of heating under confinement are contained in Part II of the Manual of Tests and Criteria;

"Service equipment"

(a) Of the tank means filling and emptying, venting, safety, heating and heat insulating devices and measuring instruments;

(b) Of the elements of a battery vehicle or of a MEGC means filling and emptying devices, including the manifold, safety devices and measuring instruments;

(c) Of an IBC means the filling and discharge devices and any pressure-relief or venting, safety, heating and heat insulating devices and measuring instruments;

NOTE: *For portable tanks, see Chapter 6.7.*

"Sealed pressure" means the pressure of the contents of a pressure receptacle in thermal and diffusive equilibrium;

"Sheeted container", see *"Container"*;

"Sheeted vehicle" means an open vehicle provided with a sheet to protect the load,
"Shell" means the sheathing containing the substance (including the openings and their closures);

NOTE 1: *This definition does not apply to receptacles.*

NOTE 2: *For portable tanks, see Chapter 6.7.*

"Sift-proof packaging" means a packaging impermeable to dry contents, including fine solid material produced during carriage;

"Small container", see *"Container"*.

"Small receptacle containing gas (gas cartridge)" means a non-refillable receptacle meeting the relevant requirements of 6.2.6 containing, under pressure, a gas or a mixture of gases. It may be fitted with a valve;

"Solid" means

(a) A substance with a melting point or initial melting point of more than 20 °C at a pressure of 101.3 kPa; or

(b) A substance which is not liquid according to the ASTM D 4359-90 test method or which is pasty according to the criteria applicable to the test for determining fluidity (penetrometer test) described in 2.3.4.

"Structural equipment"

(a) For tanks of a tank-vehicle or demountable tank, means the external or internal reinforcing, fastening, protective or stabilizing members of the shell;

(b) For tanks of a tank-container, means the external or internal reinforcing, fastening, protective or stabilizing members of the shell;

(c) For elements of a battery-vehicle or an MEGC means the external or internal reinforcing, fastening, protective or stabilizing members of the shell or receptacle;

(d) For IBCs other than flexible IBCs means the reinforcing, fastening, handling, protective or stabilizing members of the body (including the base pallet for composite IBCs with plastics inner receptacle);

NOTE: *For portable tanks, see Chapter 6.7*

"Swap body", see *"Container"*;

T

"Tank" means a shell, including its service and structural equipment. When used alone, the term tank means a tank-container, portable tank, demountable tank or fixed tank as defined in this Part, including tanks forming elements of battery-vehicles or MEGCs (see also *"Demountable tank"*, *"Fixed tank"*, *"Portable tank"* and *"Multiple element gas container"*).

NOTE: *For portable tanks, see 6.7.4.1*

"Tank-container" means an article of transport equipment meeting the definition of a container, and comprising a shell and items of equipment, including the equipment to facilitate movement of the tank-container without significant change of attitude, used for the carriage of gases, liquid, powdery or granular substances and, when used for the carriage of gases as defined in 2.2.2.1.1, having a capacity of more than 0.45 m^3 (450 litres);

NOTE: *IBCs which meet the requirements of Chapter 6.5 are not considered to be tank-containers.*

"Tank-container/portable tank operator" means any enterprise in whose name the tank-container/portable tank is registered;

"Tank record" means a file containing all the important technical information concerning a tank, a battery vehicle or a MEGC, such as certificates referred to in 6.8.2.3, 6.8.2.4 and 6.8.3.4;

"Tank swap body" is considered to be a tank-container;

"Tank-vehicle" means a vehicle built to carry liquids, gases or powdery or granular substances and comprising one or more fixed tanks. In addition to the vehicle proper, or the units of running gear used in its stead, a tank-vehicle comprises one or more shells, their items of equipment and the fittings for attaching them to the vehicle or to the running-gear units;

"Technical name" means a recognized chemical name, if relevant a biological name, or other name currently used in scientific and technical handbooks, journals and texts (see 3.1.2.8.1.1);

"Test pressure" means the required pressure applied during a pressure test for initial or periodic inspection (see also *"Calculation pressure"*, *"Discharge pressure"*, *"Filling pressure"* and *"Maximum working pressure (gauge pressure)"*);

NOTE: *For portable tanks, see Chapter 6.7.*

"Through or into", for the carriage of Class 7 material, means through or into the countries in which a consignment is carried but specifically excludes countries "over" which a consignment is carried by air provided that there are no scheduled stops in those countries;

"Transport index (TI) assigned to a package, overpack or container, or to unpackaged LSA-I or SCO-I", for the carriage of Class 7 material, means a number which is used to provide control over radiation exposure;

"Transport unit" means a motor vehicle without an attached trailer, or a combination consisting of a motor vehicle and an attached trailer;

"Tray" (Class 1) means a sheet of metal, plastics, fibreboard or other suitable material which is placed in the inner, intermediate or outer packaging and achieves a close-fit in such packaging. The surface of the tray may be shaped so that packagings or articles can be inserted, held secure and separated from each other;

"Tube" (Class 2) means a seamless transportable pressure receptacle of a water capacity exceeding 150 litres and of not more than 3 000 litres;

U

"UIC" means the International Union of Railways (UIC, 16 rue Jean Rey, F-75015 Paris, France);

"UNECE" means the United Nations Economic Commission for Europe (UNECE, Palais des Nations, 8-14 avenue de la Paix, CH-1211 Geneva 10, Switzerland);

"Undertaking", see *"Enterprise"*;

"Unloader" means any enterprise which:

(a) Removes a container, bulk-container, MEGC, tank-container or portable tank from a vehicle; or

(b) Unloads packaged dangerous goods, small containers or portable tanks out of or from a vehicle or a container; or

(c) Discharges dangerous goods from a tank (tank-vehicle, demountable tank, portable tank or tank-container) or from a battery-vehicle, MEMU or MEGC or from a vehicle, large container or small container for carriage in bulk or a bulk-container.

"UN Model Regulations" means the Model Regulations annexed to the seventeenth revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations (ST/SG/AC.10/1/Rev.17);

"UN number" means the four figure identification number of the substance or article taken from the UN Model Regulations;

V

"Vacuum-operated waste tank" means a fixed tank, demountable tank, tank-container or tank swap body primarily used for the carriage of dangerous wastes, with special constructional features and/or equipment to facilitate the loading and unloading of wastes as specified in Chapter 6.10. A tank which fully complies with the requirements of Chapter 6.7 or 6.8 is not considered to be a vacuum-operated waste tank.

"*Vacuum valve*" means a spring-loaded device which is activated automatically by pressure the purpose of which is to protect the tank against unacceptable negative internal pressure;

"*Vehicle*" see "*Battery-vehicle*", "*Closed vehicle*", "*Open vehicle*", "*Sheeted vehicle*" and "*Tank-vehicle*";

W

"*Wastes*" means substances, solutions, mixtures or articles for which no direct use is envisaged but which are transported for reprocessing, dumping, elimination by incineration or other methods of disposal;

"*Wooden barrel*" means a packaging made of natural wood, of round cross-section, having convex walls, consisting of staves and heads and fitted with hoops,

"*Wooden IBC*" means a rigid or collapsible wooden body, together with an inner liner (but no inner packaging) and appropriate service and structural equipment;

"*Working pressure*" means the settled pressure of a compressed gas at a reference temperature of 15 °C in a full pressure receptacle;

NOTE: *For tanks, see "Maximum working pressure".*

"*Woven plastics*" (for flexible IBCs) means a material made from stretch tapes or monofilaments of suitable plastics material.

1.2.2 Units of measurement

1.2.2.1 The following units of measurement [3] are applicable in ADR:

Measurement of	SI Unit [4]	Acceptable alternative unit	Relationship between units
Length	m (metre)		
Area	m^2 (square metre)	-	-
Volume	m^3 (cubic metre)	l [5] (litre)	$1\ l = 10^{-3}\ m^3$
Time	s (second)	min (minute)	1 min = 60 s
		h (hour)	1 h = 3 600 s
		d (day)	1 d = 86 400 s
Mass	kg (kilogram)	g (gram)	$1\ g = 10^{-3}$ kg
		t (ton)	$1\ t = 10^{3}$ kg
Mass density	kg/m^3	kg/l	$1\ kg/l = 10^{3}\ kg/m^3$
Temperature	K (kelvin)	°C (degree Celsius)	0 °C = 273.15 K
Temperature difference	K (kelvin)	°C (degree Celsius)	1 °C = 1 K
Force	N (newton)	-	$1\ N = 1\ kg.m/s^2$
Pressure	Pa (pascal)		$1\ Pa = 1\ N/m^2$
		bar (bar)	$1\ bar = 10^5$ Pa
Stress	N/m^2	N/mm^2	$1\ N/mm^2 = 1$ MPa
Work		kWh (kilowatt hours)	1 kWh = 3.6 MJ
Energy	J (joule)		1 J = 1 N.m = 1 W.s
Quantity of heat		eV (electronvolt)	$1\ eV = 0.1602 \times 10^{-18}$ J
Power	W (watt)	-	1 W = 1 J/s = 1 N.m/s
Kinematic viscosity	m^2/s	mm^2/s	$1\ mm^2/s = 10^{-6}\ m^2/s$
Dynamic viscosity	Pa.s	mPa.s	$1\ mPa.s = 10^{-3}$ Pa.s
Activity	Bq (becquerel)		
Dose equivalent	Sv (sievert)		

[3] *The following round figures are applicable for the conversion of the units hitherto used into SI Units.*

Force

1 kg	=	*9.807 N*
1 N	=	*0.102 kg*

Stress

1 kg/mm²	=	*9.807 N/mm²*
1 N/mm²	=	*0.102 kg/mm²*

Pressure

1 Pa	=	*1 N/m²*	=	*10⁻⁵ bar*		*1.02 × 10⁻⁵ kg/cm²*	=	*0.75 × 10⁻² torr*
1 bar	=	*10⁵ Pa*	=	*1.02 kg/cm²*		*750 torr*		
1 kg/cm²	=	*9.807 × 10⁴ Pa*	=	*0.9807 bar*	=	*736 torr*		
1 torr	=	*1.33 × 10² Pa*	=	*1.33 × 10⁻³ bar*	=	*1.36 × 10⁻³ kg/cm²*		

Energy, Work, Quantity of heat

1 J	=	*1 N.m*	=	*0.278 × 10⁻⁶ kWh*	=	*0.102 kgm*	=	*0.239 × 10⁻³ kcal*
1 kWh	=	*3.6 × 10⁶ J*		*367 × 10³ kgm*	=	*860 kcal*		
1 kgm	=	*9.807 J*	=	*2.72 × 10⁻⁶ kWh*	=	*2.34 × 10⁻³ kcal*		
1 kcal	=	*4.19 × 10³ J*	=	*1.16 × 10⁻³ kWh*	=	*427 kgm*		

Power

1 W	=	*0.102 kgm/s*	=	*0.86 kcal/h*
1 kgm/s	=	*9.807 W*	=	*8.43 kcal/h*
1 kcal/h	=	*1.16 W*	=	*0.119 kgm/s*

Kinematic viscosity

1 m²/s	=	*10⁴ St (Stokes)*
1 St	=	*10⁻⁴ m²/s*

Dynamic viscosity

1 Pa.s	=	*1 N.s/m²*	=	*10 P (poise)*	=	*0.102 kg s/m²*		
1 P	=	*0.1 Pa.s*	=	*0.1 N.s/m²*	=	*1.02 × 10⁻² kg s/m²*		
1 kg.s/m²	=	*9.807 Pa.s*	=	*9.807 N.s/m²*	=	*98.07 P*		

[b] *The International System of Units (SI) is the result of decisions taken at the General Conference on Weights and Measures (Address: Pavillon de Breteuil, Parc de St-Cloud, F-92 310 Sèvres)*

[c] *The abbreviation "L" for litre may also be used in place of the abbreviation "l" when a typewriter cannot distinguish between figure "1" and letter "l"*

The decimal multiples and sub multiples of a unit may be formed by prefixes or symbols, having the following meanings, placed before the name or symbol of the unit:

Factor		Prefix	Symbol
1 000 000 000 000 000 000	$= 10^{18}$	exa	E
1 000 000 000 000 000	$= 10^{15}$	peta	P
1 000 000 000 000	$= 10^{12}$	tera	T
1 000 000 000	$= 10^{9}$	giga	G
1 000 000	$= 10^{6}$	mega	M
1 000	$= 10^{3}$	kilo	k
100	$= 10^{2}$	hecto	h
10	$= 10^{1}$	deca	da
0.1	$= 10^{-1}$	deci	d
0.01	$= 10^{-2}$	centi	c
0.001	$= 10^{-3}$	milli	m
0.000 001	$= 10^{-6}$	micro	μ
0.000 000 001	$= 10^{-9}$	nano	n
0.000 000 000 001	$= 10^{-12}$	pico	p
0.000 000 000 000 001	$= 10^{-15}$	femto	f
0.000 000 000 000 000 001	$= 10^{-18}$	atto	a

NOTE: 10^{9} billion is United Nations usage in English. By analogy, so is 10^{9} = 1 billionth.

1.2.2.2 Unless expressly stated otherwise, the sign "%" in ADR represents:

(a) In the case of mixtures of solids or of liquids, and also in the case of solutions and of solids wetted by a liquid, a percentage mass based on the total mass of the mixture, the solution or the wetted solid;

(b) In the case of mixtures of compressed gases, when filled by pressure, the proportion of the volume indicated as a percentage of the total volume of the gaseous mixture, or, when filled by mass, the proportion of the mass indicated as a percentage of the total mass of the mixture;

(c) In the case of mixtures of liquefied gases and dissolved gases, the proportion of the mass indicated as a percentage of the total mass of the mixture.

1.2.2.3 Pressures of all kinds relating to receptacles (such as test pressure, internal pressure, safety valve opening pressure) are always indicated in gauge pressure (pressure in excess of atmospheric pressure); however, the vapour pressure of substances is always expressed in absolute pressure.

1.2.2.4 Where ADR specifies a degree of filling for receptacles, this is always related to a reference temperature of the substances of 15 °C, unless some other temperature is indicated.

CHAPTER 1.3

TRAINING OF PERSONS INVOLVED IN THE CARRIAGE OF DANGEROUS GOODS

1.3.1 **Scope and applicability**

Persons employed by the participants referred to in Chapter 1.4, whose duties concern the carriage of dangerous goods, shall be trained in the requirements governing the carriage of such goods appropriate to their responsibilities and duties. Employees shall be trained in accordance with 1.3.2 before assuming responsibilities and shall only perform functions, for which required training has not yet been provided, under the direct supervision of a trained person. Training requirements specific to security of dangerous goods in Chapter 1.10 shall also be addressed.

NOTE 1: *With regard to the training for the safety adviser, see 1.8.3 instead of this section.*

NOTE 2: *With regard to the training of the vehicle crew, see Chapter 8.2 instead of this section.*

NOTE 3: *For training with regard to Class 7, see also 1.7.2.5.*

1.3.2 **Nature of the training**

The training shall take the following form, appropriate to the responsibility and duties of the individual concerned:

1.3.2.1 ***General awareness training***

Personnel shall be familiar with the general requirements of the provisions for the carriage of dangerous goods.

1.3.2.2 ***Function-specific training***

Personnel shall be trained, commensurate directly with their duties and responsibilities in the requirements of the regulations concerning the carriage of dangerous goods.

Where the carriage of dangerous goods involves a multimodal transport operation, the personnel shall be aware of the requirements concerning other transport modes.

1.3.2.3 ***Safety training***

Commensurate with the degree of risk of injury or exposure arising from an incident involving the carriage of dangerous goods, including loading and unloading, personnel shall be trained in the hazards and dangers presented by dangerous goods.

The training provided shall aim to make personnel aware of the safe handling and emergency response procedures.

1.3.2.4 The training shall be periodically supplemented with refresher training to take account of changes in regulations.

1.3.3 Documentation

Records of training received according to this Chapter shall be kept by the employer and made available to the employee or competent authority, upon request. Records shall be kept by the employer for a period of time established by the competent authority. Records of training shall be verified upon commencing a new employment.

CHAPTER 1.4

SAFETY OBLIGATIONS OF THE PARTICIPANTS

1.4.1 General safety measures

1.4.1.1 The participants in the carriage of dangerous goods shall take appropriate measures according to the nature and the extent of foreseeable dangers, so as to avoid damage or injury and, if necessary, to minimize their effects. They shall, in all events, comply with the requirements of ADR in their respective fields.

1.4.1.2 When there is an immediate risk that public safety may be jeopardized, the participants shall immediately notify the emergency services and shall make available to them the information they require to take action.

1.4.1.3 ADR may specify certain of the obligations falling to the various participants.

If a Contracting Party considers that no lessening of safety is involved, it may in its domestic legislation transfer the obligations falling to a specific participant to one or several other participants, provided that the obligations of 1.4.2 and 1.4.3 are met. These derogations shall be communicated by the Contracting Party to the Secretariat of the United Nations Economic Commission for Europe which will bring them to the attention of the Contracting Parties.

The requirements of 1.2.1, 1.4.2 and 1.4.3 concerning the definitions of participants and their respective obligations shall not affect the provisions of domestic law concerning the legal consequences (criminal nature, liability, etc.) stemming from the fact that the participant in question is e.g. a legal entity, a self-employed worker, an employer or an employee.

1.4.2 Obligations of the main participants

NOTE 1: Several participants to which safety obligations are assigned in this section may be one and the same enterprise. Also, the activities and the corresponding safety obligations of a participant can be assumed by several enterprises.

NOTE 2: For radioactive material, see also 1.7.6.

1.4.2.1 *Consignor*

1.4.2.1.1 The consignor of dangerous goods is required to hand over for carriage only consignments which conform to the requirements of ADR. In the context of 1.4.1, he shall in particular:

(a) Ascertain that the dangerous goods are classified and authorized for carriage in accordance with ADR;

(b) Furnish the carrier with information and data in a traceable form and, if necessary, the required transport documents and accompanying documents (authorizations, approvals, notifications, certificates, etc.), taking into account in particular the requirements of Chapter 5.4 and of the tables in Part 3;

(c) Use only packagings, large packagings, intermediate bulk containers (IBCs) and tanks (tank-vehicles, demountable tanks, battery-vehicles, MEGCs, portable tanks and tank-containers) approved for and suited to the carriage of the substances concerned and bearing the markings prescribed by ADR;

(d) Comply with the requirements on the means of dispatch and on forwarding restrictions;

(e) Ensure that even empty uncleaned and not degassed tanks (tank-vehicles, demountable tanks, battery-vehicles, MEGCs, portable tanks and tank-containers) or empty uncleaned vehicles and large and small bulk containers are appropriately marked and labelled and that empty uncleaned tanks are closed and present the same degree of leakproofness as if they were full.

1.4.2.1.2 If the consignor uses the services of other participants (packer, loader, filler, etc.), he shall take appropriate measures to ensure that the consignment meets the requirements of ADR. He may, however, in the case of 1.4.2.1.1 (a), (b), (c) and (e), rely on the information and data made available to him by other participants.

1.4.2.1.3 When the consignor acts on behalf of a third party, the latter shall inform the consignor in writing that dangerous goods are involved and make available to him all the information and documents he needs to perform his obligations.

1.4.2.2 *Carrier*

1.4.2.2.1 In the context of 1.4.1, where appropriate, the carrier shall in particular:

(a) Ascertain that the dangerous goods to be carried are authorized for carriage in accordance with ADR;

(b) Ascertain that all information prescribed in ADR related to the dangerous goods to be carried has been provided by the consignor before carriage, that the prescribed documentation is on board the transport unit or if electronic data processing (EDP) or if electronic data interchange (EDI) techniques are used instead of paper documentation, that data is available during transport in a manner at least equivalent to that of paper documentation;

(c) Ascertain visually that the vehicles and loads have no obvious defects, leakages or cracks, missing equipment, etc.;

(d) Ascertain that the deadline for the next test for tank-vehicles, battery-vehicles, demountable tanks, portable tanks, tank-containers and MEGCs has not expired;

NOTE: Tanks, battery-vehicles and MEGCs may however be carried after the expiry of this deadline under the conditions of 4.1.6.10 (in the case of battery-vehicles and MEGCs containing pressure receptacles as elements), 4.2.4.4, 4.3.2.4.4, 6.7.2.19.6, 6.7.3.15.6 or 6.7.4.14.6.

(e) verify that the vehicles are not overloaded;

(f) ascertain that the danger labels and markings prescribed for the vehicles have been affixed;

(g) ascertain that the equipment prescribed in the written instructions for the driver is on board the vehicle.

Where appropriate, this shall be done on the basis of the transport documents and accompanying documents, by a visual inspection of the vehicle or the containers and, where appropriate, the load.

1.4.2.2.2 The carrier may, however, in the case of 1.4.2.2.1 (a), (b), (e) and (f), rely on information and data made available to him by other participants.

1.4.2.2.3 If the carrier observes an infringement of the requirements of ADR, in accordance with 1.4.2.2.1, he shall not forward the consignment until the matter has been rectified.

1.4.2.2.4 If, during the journey, an infringement which could jeopardize the safety of the operation is observed, the consignment shall be halted as soon as possible bearing in mind the requirements of traffic safety, of the safe immobilisation of the consignment, and of public safety. The transport operation may only be continued once the consignment complies with applicable regulations. The competent authority(ies) concerned by the rest of the journey may grant an authorization to pursue the transport operation.

In case the required compliance cannot be achieved and no authorization is granted for the rest of the journey, the competent authority(ies) shall provide the carrier with the necessary administrative assistance. The same shall apply in case the carrier informs this/these competent authority(ies) that the dangerous nature of the goods carried was not communicated to him by the consignor and that he wishes, by virtue of the law applicable in particular to the contract of carriage, to unload, destroy or render the goods harmless.

1.4.2.2.5 *(Reserved)*

1.4.2.3 *Consignee*

1.4.2.3.1 The consignee has the obligation not to defer acceptance of the goods without compelling reasons and to verify, after unloading, that the requirements of ADR concerning him have been complied with.

1.4.2.3.2 If, in the case of a container, this verification brings to light an infringement of the requirements of ADR, the consignee shall return the container to the carrier only after the infringement has been remedied.

1.4.2.3.3 If the consignee makes use of the services of other participants (unloader, cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of 1.4.2.3.1 and 1.4.2.3.2 of ADR have been complied with.

1.4.3 Obligations of the other participants

A non-exhaustive list of the other participants and their respective obligations is given below. The obligations of the other participants flow from section 1.4.1 above insofar as they know or should have known that their duties are performed as part of a transport operation subject to ADR.

1.4.3.1 *Loader*

1.4.3.1.1 In the context of 1.4.1, the loader has the following obligations in particular:

(a) He shall hand the dangerous goods over to the carrier only if they are authorized for carriage in accordance with ADR;

(b) He shall, when handing over for carriage packed dangerous goods or uncleaned empty packagings, check whether the packaging is damaged. He shall not hand over a package the packaging of which is damaged, especially if it is not leakproof, and there are leakages or the possibility of leakages of the dangerous substance, until the damage has been repaired; this obligation also applies to empty uncleaned packagings;

(c) He shall, when loading dangerous goods in a vehicle, or a large or small container, comply with the special requirements concerning loading and handling;

(c) He shall, after loading dangerous goods into a container comply with the requirements concerning danger markings conforming to Chapter 5.3;

(e) He shall, when loading packages, comply with the prohibitions on mixed loading taking into account dangerous goods already in the vehicle or large container and requirements concerning the separation of foodstuffs, other articles of consumption or animal feedstuffs.

1.4.3.1.2 The loader may, however, in the case of 1.4.3.1.1 (a), (d) and (e), rely on information and data made available to him by other participants.

1.4.3.2 *Packer*

In the context of 1.4.1, the packer shall comply with in particular:

(a) The requirements concerning packing conditions, or mixed packing conditions, and

(b) When he prepares packages for carriage, the requirements concerning marking and labelling of the packages

1.4.3.3 *Filler*

In the context of 1.4.1, the filler has the following obligations in particular:

(a) He shall ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition.

(b) He shall ascertain that the date of the next test for tank-vehicles, battery-vehicles, demountable tanks, portable tanks, tank-containers and MEGCs has not expired;

(c) He shall only fill tanks with the dangerous goods authorized for carriage in those tanks;

(d) He shall, in filling the tank, comply with the requirements concerning dangerous goods in adjoining compartments;

(e) He shall, during the filling of the tank, observe the maximum permissible degree of filling or the maximum permissible mass of contents per litre of capacity for the substance being filled;

(f) He shall, after filling the tank, ensure that all closures are in a closed position and that there is no leakage.

(g) He shall ensure that no dangerous residue of the filling substance adheres to the outside of the tanks filled by him;

(h) He shall, in preparing the dangerous goods for carriage, ensure that the orange plates, labels or placards as well as marks for elevated temperature substances and environmentally hazardous substances prescribed are affixed on the tanks, on the vehicles and on the large and small containers for carriage in bulk in accordance with the requirements;

(i) *(Reserved)*;

(j) He shall, when filling vehicles or containers with dangerous goods in bulk, ascertain that the relevant provisions of Chapter 7.3 are complied with.

1.4.3.4 *Tank-container/portable tank operator*

In the context of 1.4.1, the tank-container/portable tank operator shall in particular:

(a) Ensure compliance with the requirements for construction, equipment, tests and marking;

(b) Ensure that the maintenance of shells and their equipment is carried out in such a way as to ensure that, under normal operating conditions, the tank-container/portable tank satisfies the requirements of ADR until the next inspection;

(c) Have an exceptional check made when the safety of the shell or its equipment is liable to be impaired by a repair, an alteration or an accident.

1.4.3.5 and 1.4.3.6 *(Reserved)*

1.4.3.7 ***Unloader***

NOTE: *In this sub-section, unloading covers removal, unloading and discharging as indicated in the definition of unloader in 1.2.1.*

1.4.3.7.1 In the context of 1.4.1, the unloader shall in particular:

(a) Ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the package, container, tank, MEMU, MEGC or vehicle;

(b) Before and during unloading, check whether the packagings, the tank, the vehicle or container have been damaged to an extent which would endanger the unloading operation. If this is the case, ascertain that unloading is not carried out until appropriate measures have been taken;

(c) Comply with all relevant requirements concerning unloading;

(d) Immediately following the unloading of the tank, vehicle or container:

(i) Remove any dangerous residues which have adhered to the outside of the tank, vehicle or container during the process of unloading, and

(ii) Ensure the closure of valves and inspection openings;

(e) Ensure that the prescribed cleaning and decontamination of the vehicles or containers is carried out, and

(f) Ensure that the containers once completely unloaded, cleaned and decontaminated, no longer display danger markings conforming to Chapter 5.3

1.4.3.7.2 If the unloader makes use of the services of other participants (cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of ADR have been complied with.

CHAPTER 1.5

DEROGATIONS

1.5.1 Temporary derogations

1.5.1.1 In accordance with Article 4, paragraph 3 of ADR, the competent authorities of the Contracting Parties may agree directly among themselves to authorize certain transport operations in their territories by temporary derogation from the requirements of ADR, provided that safety is not compromised thereby. The authority which has taken the initiative with respect to the temporary derogation shall notify such derogations to the Secretariat of the United Nations Economic Commission for Europe which shall bring them to the attention of the Contracting Parties[1].

NOTE: "Special arrangement" in accordance with 1.7.4 is not considered to be a temporary derogation in accordance with this section.

1.5.1.2 The period of validity of the temporary derogation shall not be more than five years from the date of its entry into force. The temporary derogation shall automatically cease as from the date of the entry into force of a relevant amendment to ADR.

1.5.1.3 Transport operations on the basis of temporary derogations shall constitute transport operations in the sense of ADR.

1.5.2 *(Reserved)*

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[1] ***Note by the Secretariat:*** *The special agreements concluded under this Chapter may be consulted on the web site of the Secretariat of the United Nations Economic Commission for Europe (http://www.unece.org/trans/danger/danger.htm).*

CHAPTER 1.6

TRANSITIONAL MEASURES

1.6.1 General

1.6.1.1 Unless otherwise provided, the substances and articles of ADR may be carried until 30 June 2013 in accordance with the requirements of ADR applicable up to 31 December 2012.

1.6.1.2 *(Deleted)*

1.6.1.3 Substances and articles of Class 1, belonging to the armed forces of a Contracting Party, that were packaged prior to 1 January 1990 in accordance with the requirements of ADR in effect at that time may be carried after 31 December 1989 provided the packagings maintain their integrity and are declared in the transport document as military goods packaged prior to 1 January 1990. The other requirements applicable as from 1 January 1990 for this class shall be complied with.

1.6.1.4 Substances and articles of Class 1 that were packaged between 1 January 1990 and 31 December 1996 in accordance with the requirements of ADR in effect at that time may be carried after 31 December 1996, provided the packagings maintain their integrity and are declared in the transport document as goods of Class 1 packaged between 1 January 1990 and 31 December 1996.

1.6.1.5 *(Reserved)*

1.6.1.6 Intermediate bulk containers (IBCs) manufactured before 1 January 2003 in accordance with the requirements of marginal 3612 (1) applicable up to 30 June 2001 and which do not conform to the requirements of 6.5.2.1.3 regarding the height of letters, numerals and symbols applicable as from 1 July 2001 may continue to be used.

1.6.1.7 Type approvals for drums, jerricans and composite packagings made of high or medium molecular mass polyethylene issued before 1 July 2005 in accordance with the requirements of 6.1.5.2.6 in force up to 31 December 2004, but which are not in accordance with the requirements of 4.1.1.21, continue to be valid until 31 December 2009. Any such packagings manufactured and marked on the basis of these type approvals may be used until the end of their period of use determined in 4.1.1.15.

1.6.1.8 Existing orange-coloured plates which meet the requirements of sub-section 5.3.2.2 applicable up to 31 December 2004 may continue to be used provided that the requirements of 5.3.2.2.1 and 5.3.2.2.2 that the plate, numbers and letters shall remain affixed irrespective of the orientation of the vehicle are met.

1.6.1.9 *(Deleted)*

1.6.1.10 Lithium cells and batteries manufactured before 1 July 2003 which had been tested in accordance with the requirements applicable until 31 December 2002 but which had not been tested in accordance with the requirements applicable as from 1 January 2003, and appliances containing such lithium cells or batteries, may continue to be carried up to 30 June 2013 if all the other applicable requirements are fulfilled.

1.6.1.11 Type approvals for drums, jerricans and composite packagings made of high or medium molecular mass polyethylene, and for high molecular mass polyethylene IBCs, issued before 1 July 2007 in accordance with the requirements of 6.1.6.1 (a) in force up to 31 December 2006, but which are not in accordance with the requirements of 6.1.6.1 (a) applicable as from 1 January 2007, continue to be valid.

1.6.1.12 and 1.6.1.13 *(Deleted)*

1.6.1.14 IBCs manufactured before 1 January 2011 and conforming to a design type which has not passed the vibration test of 6.5.6.13 or which was not required to meet the criteria of 6.5.6.9.5 (d) at the time it was subjected to the drop test, may still be used.

1.6.1.15 IBCs manufactured, remanufactured or repaired before 1 January 2011 need not be marked with the maximum permitted stacking load in accordance with 6.5.2.2.2. Such IBCs, not marked in accordance with 6.5.2.2.2, may still be used after 31 December 2010 but must be marked in accordance with 6.5.2.2.2 if they are remanufactured or repaired after that date.

1.6.1.16 Animal material affected by pathogens included in Category B, other than those which would be assigned to Category A if they were in culture (see 2.2.62.1.12.2), may be carried in accordance with provisions determined by the competent authority until 31 December 2014[1].

1.6.1.17 and 1.6.1.18 *(Deleted)*

1.6.1.19 The provisions of 2.2.9.1.10.3 and 2.2.9.1.10.4 concerning the classification of environmentally hazardous substances applicable until 31 December 2010 may be applied until 31 December 2013.

1.6.1.20 Notwithstanding the requirements of Chapter 3.4 applicable as from 1 January 2011, dangerous goods packed in limited quantities, other than those which are assigned figure "0" in column (7a) of Table A of Chapter 3.2, may continue to be carried until 30 June 2015 in accordance with the provisions of Chapter 3.4 in force up to 31 December 2010. However, in such a case, the provisions of 3.4.12 to 3.4.15 in force as from 1 January 2011 may be applied as from 1 January 2011. For the purposes of the application of the last sentence of 3.4.13 (b), if the container carried is marked with the mark required in paragraph 3.4.12 applicable until 31 December 2010, the transport unit may be marked with the mark required in paragraph 3.4.15 applicable as from 1 January 2011.

1.6.1.21 Training certificates for drivers conforming to the model applicable until 31 December 2010 issued by Contracting Parties until 31 December 2012, instead of those conforming to the requirements of 8.2.2.8.5, may continue in use to the end of their five year validity.

1.6.1.22 Inner receptacles of composite IBCs manufactured before 1 July 2011 and marked in accordance with the requirements of 6.5.2.2.4 in force up to 31 December 2010 may still be used.

1.6.1.23 Fire extinguishers constructed before 1 July 2011 in accordance with the requirements of 8.1.4.3 applicable until 31 December 2010 may continue to be used.

1.6.1.24 Lithium cells and batteries manufactured before 1 January 2014 which had been tested in accordance with the requirements applicable until 31 December 2012 but which had not been tested in accordance with the requirements applicable as from 1 January 2013, and appliances containing such lithium cells or batteries, may continue to be carried if all the other applicable requirements are fulfilled.

1.6.1.25 Packages and overpacks marked with a UN number in accordance with the provisions of ADR applicable up to 31 December 2012 and which do not conform to the requirements of 5.2.1.9 regarding the size of the UN number and of the letters "UN" applicable as from

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[1] *Regulations for dead infected animals are contained e.g. in Regulation (EC) No. 1774/2002 of the European Parliament and of the Council of 3 October 2002 laying down health rules concerning animal by-products not intended for human consumption (Official Journal of the European Communities, No. L 273 of 10.10.2002, p. 1).*

1 January 2013 may continue to be used until 31 December 2013, and, for cylinders of 60 litres water capacity or less, until the next periodic inspection but no later than 30 June 2016.

1.6.1.26 Large packagings manufactured or remanufactured before 1 January 2014 and which do not conform to the requirements of 6.6.3.1 regarding the height of letters, numerals and symbols applicable as from 1 January 2013 may continue to be used. Those manufactured or remanufactured before 1 January 2015 need not be marked with the maximum permitted stacking load in accordance with 6.6.3.3. Such large packagings not marked in accordance with 6.6.3.3 may still be used after 31 December 2014 but must be marked in accordance with 6.6.3.3 if they are remanufactured after that date.

1.6.1.27 Means of containment integral to equipment or machinery containing liquid fuels of UN Nos. 1202, 1203, 1223, 1268, 1863 and 3475 constructed before 1 July 2013, which do not conform to the requirements of paragraph (a) of special provision 363 of Chapter 3.3 applicable as from 1 January 2013, may still be used.

1.6.2 Pressure receptacles and receptacles for Class 2

1.6.2.1 Receptacles built before 1 January 1997 and which do not conform to the requirements of ADR applicable as from 1 January 1997, but the carriage of which was permitted under the requirements of ADR applicable up to 31 December 1996, may continue to be transported after that date if the periodic test requirements in packing instructions P200 and P203 are complied with

1.6.2.2 *(Deleted)*

1.6.2.3 Receptacles intended for the carriage of Class 2 substances constructed before 1 January 2003, may continue to bear, after 1 January 2003, the markings conforming to the requirements applicable until 31 December 2002.

1.6.2.4 Pressure receptacles designed and constructed in accordance with technical codes no longer recognized according to 6.2.5 may still be used.

1.6.2.5 Pressure receptacles and their closures designed and constructed in accordance with standards applicable at the time of their construction (see 6.2.4) according to the provisions of ADR which were applicable at that time may still be used unless restricted by a specific transitional measure.

1.6.2.6 Pressure receptacles for substances other than those of Class 2, built before 1 July 2009 in accordance with the requirements of 4.1.4.4 in force up to 31 December 2008, but which do not conform to the requirements of 4.1.3.6 applicable as from 1 January 2009, may continue to be used provided that the requirements of 4.1.4.4 in force up to 31 December 2008 are complied with.

1.6.2.7 and 1.6.2.8 *(Deleted)*

1.6.2.9 The provisions of packing instruction P200 (10), special packing provision v of 4.1.4.1 applicable until 31 December 2010 may be applied by Contracting Parties to ADR to cylinders constructed before 1 January 2015.

1.6.2.10 Refillable welded steel cylinders for the carriage of gases of UN Nos. 1011, 1075, 1965, 1969 or 1978, granted 15 year intervals for periodic inspection in accordance with packing instruction P200 (10), special packing provision v of 4.1.4.1 as applicable until 31 December 2010 by the competent authority of the country (countries) of carriage, may continue to be periodically inspected according to those provisions.

1.6.2.11 Gas cartridges constructed and prepared for carriage before 1 January 2013 for which the requirements of 1.8.6, 1.8.7 or 1.8.8 for the conformity assessment of gas cartridges have not been applied may still be carried after this date, provided all the other applicable provisions of ADR are met.

1.6.2.12 Salvage pressure receptacles may continue to be constructed and approved according to national regulations up to 31 December 2013. Salvage pressure receptacles constructed and approved in accordance with national regulations before 1 January 2014 may continue to be used with the approval of the competent authorities of the countries of use.

1.6.3 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles

1.6.3.1 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles built before the entry into force of the requirements applicable as from 1 October 1978 may be kept in service if the equipment of the shell meets the requirements of Chapter 6.8. The thickness of the shell wall, except in the case of shells intended for the carriage of refrigerated liquefied gases of Class 2, shall be appropriate to a calculation pressure of not less than 0.4 MPa (4 bar) (gauge pressure) in the case of mild steel or of not less than 200 kPa (2 bar) (gauge pressure) in the case of aluminium and aluminium alloys. For other than circular cross-sections of tanks, the diameter to be used as a basis for calculation shall be that of a circle whose area is equal to that of the actual cross-section of the tank.

1.6.3.2 The periodic tests for fixed tanks (tank-vehicles), demountable tanks and battery-vehicles kept in service under these transitional requirements shall be conducted in accordance with the requirements of 6.8.2.4 and 6.8.3.4 and with the pertinent special requirements for the various classes. Unless the earlier requirements prescribed a higher test pressure, a test pressure of 200 kPa (2 bar) (gauge pressure) shall suffice for aluminium shells and aluminium alloy shells.

1.6.3.3 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles which meet the transitional requirements in 1.6.3.1 and 1.6.3.2 may be used until 30 September 1993 for the carriage of the dangerous goods for which they have been approved. This transitional period shall not apply to fixed tanks (tank-vehicles), demountable tanks and battery-vehicles intended for the carriage of substances of Class 2, or to fixed tanks (tank-vehicles), demountable tanks and battery-vehicles whose wall thickness and items of equipment meet the requirements of Chapter 6.8.

1.6.3.4 (a) Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed before 1 May 1985 in accordance with the requirements of ADR in force between 1 October 1978 and 30 April 1985 but not conforming to the requirements applicable as from 1 May 1985 may continue to be used after that date;

(b) Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles, constructed between 1 May 1985 and the entry into force of the requirements applicable as from 1 January 1988 which do not conform to these requirements but were constructed according to the requirements of ADR in force until that date, may continue to be used after that date.

1.6.3.5 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles, constructed before 1 January 1993 in accordance with the requirements in force up to 31 December 1992 but which do not conform to the requirements applicable as from 1 January 1993 may still be used.

1.6.3.6 (a) Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed between 1 January 1978 and 31 December 1984, if used after 31 December 2004, shall conform to the requirements of marginal 211 127 (5), applicable as from 1 January 1990, concerning shell thickness and protection against damage;

(b) Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed between 1 January 1985 and 31 December 1989, if used after 31 December 2010, shall conform to the requirements of marginal 211 227 (5), applicable as from 1 January 1990, concerning shell thickness and protection against damage.

1.6.3.7 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed before 1 January 1999 in accordance with the requirements in force up to 31 December 1998 but which do not, however, conform to the requirements applicable as from 1 January 1999 may still be used.

1.6.3.8 When, because of amendments to ADR, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see 6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the fixed tanks (tank-vehicles), demountable tanks and battery-vehicles or on the plates (see 6.8.3.5.6 (b) or (c)) are adapted at the first periodic test thereafter.

1.6.3.9 and 1.6.3.10 *(Reserved)*

1.6.3.11 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 1997 in accordance with the requirements in force up to 31 December 1996 but which do not, however, conform to the requirements of marginals 211 332 and 211 333 applicable as from 1 January 1997, may still be used.

1.6.3.12 *(Reserved)*

1.6.3.13 *(Deleted)*

1.6.3.14 *(Reserved)*

1.6.3.15 *(Deleted)*

1.6.3.16 For fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed before 1 January 2007 which do not conform to the requirements of 4.3.2, 6.8.2.3, 6.8.2.4 and 6.8.3.4 concerning the tank record, the retention of files for the tank record shall start at the latest at the next periodic inspection.

1.6.3.17 Fixed tanks (tank-vehicles) and demountable tanks intended for the carriage of substances of Class 3, packing group I having a vapour pressure of not more than 175 kPa (1.75 bar) (absolute) at 50 °C, constructed before 1 July 2007 in accordance with the requirements applicable up to 31 December 2006, to which tank code L1.5BN had been assigned in accordance with the requirements applicable up to 31 December 2006, may continue to be used for the carriage of the substances mentioned above, until 31 December 2018.

1.6.3.18 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles constructed before 1 January 2003 in accordance with the requirements in force up to 30 June 2001, but which do not, however, conform to the requirements applicable as from 1 July 2001, may still be used provided that the assignment to the relevant tank code has been carried out.

1.6.3.19 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2003 in accordance with the requirements of 6.8.2.1.21 in force up to 31 December 2002 but which do not, however, conform to the requirements applicable as from 1 January 2003 may still be used.

1.6.3.20 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2003 in accordance with the requirements in force up to 31 December 2002 but which do not, however, conform to the requirements of 6.8.2.1.7 applicable as from 1 January 2003 and

special provision TE15 of 6.8.4 (b) applicable from 1 January 2003 to 31 December 2006 may still be used.

1.6.3.21 *(Deleted)*

1.6.3.22 to 1.6.3.24 *(Reserved)*

1.6.3.25 *(Deleted)*

1.6.3.26 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2007 in accordance with the requirements in force up to 31 December 2006 but which do not, however, conform to the requirements applicable as from 1 January 2007 regarding the marking of the external design pressure in accordance with 6.8.2.5.1, may still be used.

1.6.3.27 to 1.6.3.29 *(Reserved)*

1.6.3.30 Vacuum-operated waste fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2005 in accordance with the requirements applicable up to 31 December 2004 but which do not conform to the requirements of 6.10.3.9 applicable as from 1 January 2005, may still be used.

1.6.3.31 Fixed tanks (tank-vehicles), demountable tanks and tanks forming elements of battery-vehicles designed and constructed in accordance with a technical code which was recognized at the time of their construction according to the provisions of 6.8.2.7 which were applicable at that time may still be used.

1.6.3.32 Fixed tanks (tank vehicles) and demountable tanks constructed before 1 July 2007 in accordance with the requirements in force up to 31 December 2006, equipped with manhole cover assemblies in accordance with the provisions of standard EN 13317:2002 referred to in the table of paragraph 6.8.2.6, applicable until 31 December 2006, including those of the figure and table B.2 of annex B of the said standard which are no longer accepted as from 1 January 2007, or the material of which does not meet the requirements of EN 13094 2004, paragraph 5.2, may still be used.

1.6.3.33 When the shell of a fixed tank (tank-vehicle) or demountable tank was already divided by partitions or surge plates into sections of not more than 7 500 litres capacity before 1 January 2009, the capacity of the shell need not be supplemented with the symbol "S" in the particulars required by 6.8.2.5.1 until the next periodic inspection according to 6.8.2.4.2 is performed.

1.6.3.34 Notwithstanding the provisions of 4.3.2.2.4, fixed tanks (tank-vehicles) and demountable tanks intended for the carriage of liquefied gases or refrigerated liquefied gases, which meet the applicable construction requirements of ADR but which were divided, before 1 July 2009, by partitions or surge plates into sections of more than 7 500 litres capacity may still be filled to more than 20% and less than 80% of their capacity

1.6.3.35 *(Deleted)*

1.6.3.36 Fixed tanks (tank-vehicles) intended for the carriage of liquefied non-toxic flammable gases constructed before 1 July 2011 and which are equipped with non-return valves instead of internal stop-valves and which do not conform to the requirements of 6.8.3.2.3, may still be used.

1.6.3.37 *(Deleted)*

1.6.3.38 Fixed tanks (tank-vehicles), demountable tanks and battery-vehicles designed and constructed in accordance with standards applicable at the time of their construction (see

6.8.2.6 and 6.8.3.6) according to the provisions of ADR which were applicable at that time may still be used unless restricted by a specific transitional measure.

1.6.3.39 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, third paragraph, concerning the position of the flame trap or flame arrester may still be used

1.6.3.40 For toxic by inhalation substances of UN Nos. 3092, 1238, 1239, 1244, 1251, 1510, 1580, 1810, 1834, 1838, 2474, 2486, 2668, 3382, 3383, 3385, 3387 and 3389, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2010 may continue to be applied until 31 December 2016 for fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2011.

1.6.3.41 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2013 in accordance with the requirements in force up to 31 December 2012, but which do not, however, meet the marking provisions of 6.8.2.5.2 or 6.8.3.5.5 applicable as from 1 January 2013, may continue to be marked in accordance with the requirements applicable up to 31 December 2012 until the next periodic inspection after 1 July 2013.

1.6.3.42 For UN No. 2381, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2012 may continue to be applied until 31 December 2018 for fixed tanks (tank-vehicles) and demountable tanks constructed before 1 July 2013.

1.6.3.43 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2012 in accordance with the requirements in force up to 31 December 2012, but which do not however conform to the requirements of 6.8.2.6 relating to standards EN 14432:2006 and EN 14433:2006 applicable as from 1 January 2011, may still be used.

1.6.3.44 to 1.6.3.49 *(Reserved)*

1.6.3.50 ***Fibre-reinforced plastics (FRP) tanks***

FRP tanks which have been constructed before 1 July 2002 in conformity with a design type approved before 1 July 2001 in accordance with the requirements of Appendix B.1c which were in force until 30 June 2001 may continue to be used until the end of their lifetime provided that all the requirements in force up to 30 June 2001 have been and continue to be complied with

However, as from 1 July 2001, no new design type may be approved in accordance with the requirements in force until 30 June 2001

1.6.4 Tank-containers, portable tanks and MEGCs

1.6.4.1 Tank-containers constructed before 1 January 1988 in accordance with the requirements in force up to 31 December 1987 but which do not, however, conform to the requirements applicable as from 1 January 1988, may still be used.

1.6.4.2 Tank-containers constructed before 1 January 1993 in accordance with the requirements in force up to 31 December 1992 but which do not, however, conform to the requirements applicable as from 1 January 1993, may still be used.

1.6.4.3 Tank-containers constructed before 1 January 1999 in accordance with the requirements in force up to 31 December 1998 but which do not, however, conform to the requirements applicable as from 1 January 1999, may still be used.

1.6.4.4 *(Reserved)*

1.6.4.5 When, because of amendments to ADR, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see 6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the tank-containers and MEGCs or on the plates [see 6.8.3.5.6 (b) or (c)] are adapted at the first periodic test thereafter.

1.6.4.6 Tank-containers constructed before 1 January 2007 in accordance with the requirements in force up to 31 December 2006 but which do not, however, conform to the requirements applicable as from 1 January 2007 regarding the marking of the external design pressure in accordance with 6.8.2.5.1, may still be used.

1.6.4.7 Tank-containers constructed before 1 January 1997 in accordance with the requirements in force up to 31 December 1996 but which do not, however, conform to the requirements of marginals 212 332 and 212 333 applicable as from 1 January 1997, may still be used.

1.6.4.8 *(Reserved)*

1.6.4.9 Tank-containers and MEGCs designed and constructed in accordance with a technical code which was recognized at the time of their construction according to the provisions of 6.8.2.7 which were applicable at that time may still be used.

1.6.4.10 *(Deleted)*

1.6.4.11 *(Reserved)*

1.6.4.12 Tank-containers and MEGCs constructed before 1 January 2003 in accordance with the requirements applicable up to 30 June 2001, but which do not, however, conform to the requirements applicable as from 1 July 2001, may still be used.

However, they shall be marked with the relevant tank code and if applicable the relevant alphanumeric codes of special provisions TC and TE in accordance with 6.8.4.

1.6.4.13 Tank-containers constructed before 1 July 2003 in accordance with the requirements in force up to 31 December 2002 but which do not, however, conform to the requirements of 6.8.2.1.7 applicable as from 1 January 2003 and special provision TE15 of 6.8.4 (b) applicable from 1 January 2003 to 31 December 2006 may still be used.

1.6.4.14 *(Reserved)*

1.6.4.15 The type of the test ("P" or "L") required by 6.8.2.5.1 need not be added to the tank plate until the first test after 1 January 2007 is performed.

1.6.4.16 *(Deleted)*

1.6.4.17 *(Deleted)*

1.6.4.18 For tank-containers and MEGCs constructed before 1 January 2007 which do not conform to the requirements of 4.3.2, 6.8.2.3, 6.8.2.4 and 6.8.3.4 concerning the tank record, the retention of files for the tank record shall start at the latest at the next periodic inspection.

1.6.4.19 Tank-containers intended for the carriage of substances of Class 3, packing group I having a vapour pressure of not more than 175 kPa (1.75 bar) (absolute) at 50 °C, constructed before 1 July 2007 in accordance with the requirements applicable up to 31 December 2006, to which tank code L15BN had been assigned in accordance with the requirements applicable up to 31 December 2006, may continue to be used for the carriage of the substances mentioned above until 31 December 2016.

1.6.4.28 Vacuum-operated waste tank-containers constructed before 1 July 2005 in accordance with the requirements applicable up to 31 December 2004 but which do not conform to the requirements of 6.10.3.9 applicable as from 1 January 2005, may still be used.

1.6.4.29 to 1.6.4.29 *(Reserved)*

1.6.4.30 Portable tanks and UN MEGCs which do not meet the design requirements applicable as from 1 January 2007 but which have been constructed according to a design approval certificate which has been issued before 1 January 2008 may continue to be used.

1.6.4.31 For substances where TP35 is assigned in column (11) of Table A of Chapter 3.2, portable tank instruction T14 prescribed in ADR applicable up to 31 December 2008 may continue to be applied until 31 December 2014.

1.6.4.32 When the shell of a tank-container was already divided by partitions or surge plates into sections of not more than 7 500 litres capacity before 1 January 2009, the capacity of the shell need not be supplemented with the symbol "S" in the particulars required by 6.8.2.5.1 until the next periodic inspection according to 6.8.2.4.2 is performed.

1.6.4.33 Notwithstanding the provisions of 4.3.2.2.4, tank-containers intended for the carriage of liquefied gases or refrigerated liquefied gases, which meet the applicable construction requirements of ADR but which were divided, before 1 July 2009, by partitions or surge plates into sections of more than 7 500 litres capacity may still be filled to more than 20% and less than 80% of their capacity.

1.6.4.34 and 1.6.4.35 *(Deleted)*

1.6.4.36 For substances where TP37 is assigned in column (13) of Table A of Chapter 3.2, the portable tank instruction prescribed in ADR applicable up to 31 December 2010 may continue to be applied until 31 December 2016.

1.6.4.37 Portable tanks and MEGCs manufactured before 1 January 2012, that conform to the marking requirements of 6.7.2.20.1, 6.7.3.16.1, 6.7.4.15.1 or 6.7.5.13.1 applicable up to 31 December 2010, as relevant, may continue to be used if they comply with all other relevant requirements of ADR applicable as from 1 January 2011 including, when applicable, the requirement of 6.7.2.20.1 (g) for marking the symbol "S" on the plate when the shell or the compartment is divided by surge plates into sections of not more than 7 500 litres capacity. When the shell, or the compartment, was already divided by surge plates into sections of not more than 7 500 litres capacity before 1 January 2012, the capacity of the shell, or respectively of the compartment, need not be supplemented with the symbol "S" until the next periodic inspection or test according to 6.7.2.19.5 is performed.

1.6.4.38 Portable tanks manufactured before 1 January 2014 need not be marked with the portable tank instruction as required in 6.7.2.20.2, 6.7.3.16.2 and 6.7.4.15.2 until the next periodic inspection and test.

1.6.4.39 Tank-containers and MEGCs designed and constructed in accordance with standards applicable at the time of their construction (see 6.8.2.6 and 6.8.3.6) according to the provisions of ADR which were applicable at that time may still be used unless restricted by a specific transitional measure.

1.6.4.40 Tank-containers constructed before 1 July 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, third paragraph, concerning the position of the flame trap or flame arrester may still be used.

1.6.4.41 For toxic by inhalation substances of UN Nos. 1092, 1238, 1239, 1244, 1251, 1510, 1580, 1810, 1834, 1838, 2474, 2486, 2668, 3381, 3383, 3385, 3387 and 3389, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2010 may continue to be applied until 31 December 2016 for tank containers constructed before 1 July 2011.

1.6.4.42 Tank-containers constructed before 1 July 2013 in accordance with the requirements in force up to 31 December 2012, but which do not, however, meet the marking provisions of 6.8.2.5.2 or 6.8.3.5.6 applicable as from 1 January 2013, may continue to be marked in accordance with the requirements applicable up to 31 December 2012 until the next periodic inspection after 1 July 2013.

1.6.4.43 Portable tanks and MECGs manufactured before 1 January 2014 need not comply with the requirements of 6.7.2.13.1 (f), 6.7.3.9.1 (e), 6.7.4.8.1 (e) and 6.7.5.6.1 (d) concerning the marking of the pressure relief devices.

1.6.4.44 For substances where TP38 or TP39 is assigned in column (11) of Table A of Chapter 3.2, the portable tank instruction prescribed in ADR applicable up to 31 December 2012 may continue to be applied until 31 December 2018.

1.6.4.45 For UN No. 2381, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2012 may continue to be applied until 31 December 2018 for tank-containers constructed before 1 July 2013.

1.6.4.46 Tank-containers constructed before 1 January 2012 in accordance with the requirements in force up to 31 December 2012, but which do not however conform to the requirements of 6.8.2.6 relating to standards EN 14432:2006 and EN 14433:2006 applicable as from 1 January 2011, may still be used.

1.6.5 Vehicles

1.6.5.1 and 1.6.5.2 *(Reserved)*

1.6.5.3 *(Deleted)*

1.6.5.4 As regards the construction of EX/II, EX/III, FL, OX and AT vehicles, the requirements of Part 9 in force up to 31 December 2012 may be applied until 31 March 2014.

1.6.5.5 Vehicles registered or entering into service before 1 January 2003 the electric equipment of which does not comply with the requirements of 9.2.2, 9.3.7 or 9.7.8 but complies with the requirements applicable until 30 June 2001 may still be used.

1.6.5.6 *(Deleted)*

1.6.5.7 Complete or completed vehicles which have been type-approved before 31 December 2002 according to ECE Regulation No. 105 [2] as amended by the 01 series of amendments or the corresponding provisions of Directive 98/91/EC [3] and which do not comply with the requirements of Chapter 9.2 but comply with the requirements applicable to the construction of base vehicles (marginals 220 100 to 220 540 of Appendix B.2) applicable until 30 June

[2] *ECE Regulation No. 105 (Uniform provisions concerning the approval of vehicles intended for the carriage of dangerous goods with regard to their specific constructional features).*

[3] *Directive 98/91/EC of the European Parliament and of the Council of 14 December 1998 relating to motor vehicles and their trailers intended for the transport of dangerous goods by road and amending Directive 70/156/EEC relating to the type approval of motor vehicles and their trailers (Official Journal of the European Communities No. L 011 of 16 January 1999, pp. 0025-0036)*

2001 may continue to be approved and used provided they are first registered or they entered into service before 1 July 2003.

1.6.5.8 EX/II and EX/III vehicles which have been first approved before 1 July 2005 and which comply with the requirements of Part 9 in force up to 31 December 2004 but which do not however conform to the requirements applicable as from 1 January 2005 may still be used.

1.6.5.9 Tank-vehicles with fixed tanks with a capacity of more than 3 m^3 intended for the carriage of dangerous goods in the liquid or molten state tested with a pressure of less than 4 bar, which do not comply with the requirements of 9.7.5.2, first registered (or which entered into service if the registration is not mandatory) before 1 July 2004, may still be used.

1.6.5.10 Certificates of approval which conform to the model shown in 9.1.3.5 applicable up to 31 December 2006 and those which conform to the model shown in 9.1.3.5 applicable from 1 January 2007 to 31 December 2008 may continue to be used.

1.6.5.11 MEMUs which have been constructed and approved before 1 July 2009 in accordance with the provisions of national law but which do not, however, conform to the construction and approval requirements applicable as from 1 January 2009 may be used with the approval of the competent authorities in the countries of use.

1.6.5.12 EX/II and FL vehicles registered or entering into service before 1 April 2012, the electrical connections of which do not comply with the requirements of 9.2.2.6.3, but comply with the requirements applicable until 31 December 2010, may still be used.

1.6.5.13 Trailers first registered (or which entered into service if registration was not mandatory) before 1 July 1995 equipped with anti-lock braking system in conformity with ECE Regulation No. 13, 06 series of amendments but which do not comply with the technical requirements for category A anti-lock braking system may still be used.

1.6.5.14 MEMUs which have been approved before 1 July 2013 in accordance with the provisions of ADR in force up to 31 December 2012, but which do not conform to the requirements of 6.12.3.1.2 or 6.12.3.2.2 applicable as from 1 January 2013, may still be used.

1.6.6 Class 7

1.6.6.1 ***Packages not requiring competent authority approval of design under the 1985 and 1985 (as amended 1990) editions of IAEA Safety Series No. 6***

Excepted packages, Industrial packages Type IP-1, Type IP-2 and Type IP-3 and Type A packages that did not require approval of design by the competent authority and which meet the requirements of the 1985 or 1985 (as amended 1990) Editions of IAEA Regulations for the Safe Transport of Radioactive Material (IAEA Safety Series No. 6) may continue to be used subject to the mandatory programme of quality assurance in accordance with the requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 336 of Chapter 3.3 and 4.1.9.3.

Any packaging modified, unless to improve safety, or manufactured after 31 December 2003, shall meet the requirements of ADR. Packages prepared for carriage not later than 31 December 2008 under the 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue in transport. Packages prepared for carriage after this date shall meet the requirements of ADR.

1.6.6.2 ***Packages approved under the 1973, 1973 (as amended), 1985 and 1985 (as amended 1990) editions of IAEA Safety Series No. 6***

1.6.6.2.1 Packagings manufactured to a package design approved by the competent authority under the provisions of the 1973 or 1973 (as amended) Editions of IAEA Safety Series No. 6 may continue to be used, subject to: multilateral approval of package design, the mandatory programme of quality assurance in accordance with the applicable requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 337 of Chapter 3.3 and 4.1.9.3. No new manufacture of such packaging shall be permitted to commence. Changes in the design of the packaging or in the nature or quantity of the authorized radioactive contents which, as determined by the competent authority, would significantly affect safety shall require that the requirements of ADR be met. A serial number according to the provision of 5.2.1.7.5 shall be assigned to and marked on the outside of each packaging.

1.6.6.2.2 Packagings manufactured to a package design approved by the competent authority under the provisions of the 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue to be used, subject to: the multilateral approval of package design; the mandatory programme of quality assurance in accordance with the requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 337 of Chapter 3.3 and 4.1.9.3. Changes in the design of the packaging or in the nature or quantity of the authorized radioactive contents which, as determined by the competent authority, would significantly affect safety shall require that the requirements of these Regulations be met. All packagings for which manufacture begins after 31 December 2006 shall meet the requirements of ADR.

1.6.6.3 ***Special form radioactive material approved under the 1973, 1973 (as amended), 1985 and 1985 (as amended 1990) Editions of IAEA Safety Series No. 6***

Special form radioactive material manufactured to a design which had received multilateral approval by the competent authority under the 1973, 1973 (as amended), 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue to be used when in compliance with the mandatory programme of quality assurance in accordance with the applicable requirements of 1.7.3. All special form radioactive material manufactured after 31 December 2003 shall meet the requirements of ADR.

CHAPTER 1.7

GENERAL PROVISIONS CONCERNING CLASS 7

1.7.1 Scope and application

NOTE 1: In the event of accidents or incidents during the carriage of radioactive material emergency provisions, as established by relevant national and/or international organizations, shall be observed to protect persons, property and the environment. Appropriate guidelines for such provisions are contained in "Planning and Preparing for Emergency Response to Transport Accidents Involving Radioactive Material", Safety Standard Series No. TS-G-1.2 (ST-3). IAEA, Vienna (2002).

NOTE 2: Emergency procedures shall take into account the formation of other dangerous substances that may result from the reaction between the contents of a consignment and the environment in the event of an accident.

1.7.1.1 ADR establishes standards of safety which provide an acceptable level of control of the radiation, criticality and thermal hazards to persons, property and the environment that are associated with the carriage of radioactive material. These standards are based on the IAEA Regulations for the Safe Transport of Radioactive Material, 2009 edition, Safety Standards Series No. TS-R-1, IAEA, Vienna (2009). Explanatory material can be found in "Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (2005 Edition)", Safety Standard Series No. TS-G-1.1 (Rev.1), IAEA, Vienna (2008).

1.7.1.2 The objective of ADR is to establish requirements that shall be satisfied to ensure safety and to protect persons, property and the environment from the effects of radiation in the carriage of radioactive material. This protection is achieved by requiring:

(a) Containment of the radioactive contents;

(b) Control of external radiation levels;

(c) Prevention of criticality; and

(d) Prevention of damage caused by heat.

These requirements are satisfied firstly by applying a graded approach to contents limits for packages and vehicles and to performance standards applied to package designs depending upon the hazard of the radioactive contents. Secondly, they are satisfied by imposing requirements on the design and operation of packages and on the maintenance of packagings, including a consideration of the nature of the radioactive contents. Finally, they are satisfied by requiring administrative controls including, where appropriate, approval by competent authorities.

1.7.1.3 ADR applies to the carriage of radioactive material by road including carriage which is incidental to the use of the radioactive material. Carriage comprises all operations and conditions associated with and involved in the movement of radioactive material. These include the design, manufacture, maintenance and repair of packaging, and the preparation, consigning, loading, carriage including in-transit storage, unloading and receipt at the final destination of loads of radioactive material and packages. A graded approach is applied to the performance standards in ADR that are characterized by three general severity levels:

(a) Routine conditions of carriage (incident free);

(b) Normal conditions of carriage (minor mishaps);

(c) Accident conditions of carriage

1.7.1.4 The provisions laid down in ADR do not apply to the carriage of:

(a) Radioactive material that is an integral part of the means of transport;

(b) Radioactive material moved within an establishment which is subject to appropriate safety regulations in force in the establishment and where the movement does not involve public roads or railways;

(c) Radioactive material implanted or incorporated into a person or live animal for diagnosis or treatment;

(d) Radioactive material in consumer products which have received regulatory approval, following their sale to the end user;

(e) Natural material and ores containing naturally occurring radionuclides which are either in their natural state, or have only been processed for purposes other than for extraction of the radionuclides, and which are not intended to be processed for use of these radionuclides provided the activity concentration of the material does not exceed 10 times the values specified in 2.2.7.2.2.1 (b), or calculated in accordance with 2.2.7.2.2.2 to 2.2.7.2.2.6;

(f) Non-radioactive solid objects with radioactive substances present on any surfaces in quantities not in excess of the limit set out in the definition for "contamination" in 2.2.7.1.2.

1.7.1.5 ***Specific provisions for the carriage of excepted packages***

1.7.1.5.1 Excepted packages which may contain radioactive material in limited quantities, instruments, manufactured articles and empty packagings as specified in 2.2.7.2.4.1 shall be subject only to the following provisions of Parts 5 to 7:

(a) The applicable provisions specified in 5.1.2, 5.1.3.2, 5.1.4, 5.1.5.4, 5.2.1.9 and 7.5.11 CV33 (5.2);

(b) The requirements for excepted packages specified in 6.4.4; and

(c) If the excepted package contains fissile material, one of the fissile exceptions provided by 2.2.7.2.3.5 shall apply and the requirement of 6.4.7.2 shall be met.

1.7.1.5.2 Excepted packages are subject to the relevant provisions of all other parts of ADR.

1.7.2 Radiation protection programme

1.7.2.1 The carriage of radioactive material shall be subject to a Radiation protection programme which shall consist of systematic arrangements aimed at providing adequate consideration of radiation protection measures.

1.7.2.2 Doses to persons shall be below the relevant dose limits. Protection and safety shall be optimized in order that the magnitude of individual doses, the number of persons exposed, and the likelihood of incurring exposure shall be kept as low as reasonably achievable.

economic and social factors being taken into account within the restriction that the doses to individuals be subject to dose constraints. A structured and systematic approach shall be adopted and shall include consideration of the interfaces between carriage and other activities.

1.7.2.3 The nature and extent of the measures to be employed in the programme shall be related to the magnitude and likelihood of radiation exposures. The programme shall incorporate the requirements in 1.7.2.2, 1.7.2.4, 1.7.2.5 and 7.5.11 CV33 (3.1). Programme documents shall be available, on request, for inspection by the relevant competent authority.

1.7.2.4 For occupational exposures arising from transport activities, where it is assessed that the effective dose:

(a) Is likely to be between 1 mSv and 6 mSv in a year, a dose assessment programme via work place monitoring or individual monitoring shall be conducted;

(b) Is likely to exceed 6 mSv in a year, individual monitoring shall be conducted.

When individual monitoring or work place monitoring is conducted, appropriate records shall be kept.

NOTE: *For occupational exposures arising from transport activities, where it is assessed that the effective dose is most unlikely to exceed 1 mSv in a year, no special work patterns, detailed monitoring, dose assessment programmes or individual record keeping need be required.*

1.7.2.5 Workers (see 7.5.11, CV33 Note 3) shall be appropriately trained in radiation protection including the precautions to be observed in order to restrict their occupational exposure and the exposure of other persons who might be affected by their actions.

1.7.3 Quality assurance

Quality assurance programmes based on international, national or other standards acceptable to the competent authority shall be established and implemented for the design, manufacture, testing, documentation, use, maintenance and inspection of all special form radioactive material, low dispersible radioactive material and packages and for carriage and in-transit storage operations to ensure compliance with the relevant provisions of ADR. Certification that the design specification has been fully implemented shall be available to the competent authority. The manufacturer, consignor or user shall be prepared to provide facilities for competent authority inspection during manufacture and use and to demonstrate to any cognizant competent authority that:

(a) The manufacturing methods and materials used are in accordance with the approved design specifications; and

(b) All packagings are periodically inspected and, as necessary, repaired and maintained in good condition so that they continue to comply with all relevant requirements and specifications, even after repeated use.

Where competent authority approval is required, such approval shall take into account and be contingent upon the adequacy of the quality assurance programme.

1.7.4 Special arrangement

1.7.4.1 Special arrangement shall mean those provisions, approved by the competent authority, under which consignments which do not satisfy all the requirements of ADR applicable to radioactive material may be transported.

NOTE: Special arrangement is not considered to be a temporary derogation in accordance with 1.5.1.

1.7.4.2 Consignments for which conformity with any provision applicable to Class 7 is impracticable shall not be transported except under special arrangement. Provided the competent authority is satisfied that conformity with the Class 7 provisions of ADR is impracticable and that the requisite standards of safety established by ADR have been demonstrated through alternative means the competent authority may approve special arrangement transport operations for single or a planned series of multiple consignments. The overall level of safety in carriage shall be at least equivalent to that which would be provided if all the applicable requirements had been met. For international consignments of this type, multilateral approval shall be required

1.7.5 Radioactive material possessing other dangerous properties

In addition to the radioactive and fissile properties, any subsidiary risk of the contents of the package, such as explosiveness, flammability, pyrophoricity, chemical toxicity and corrosiveness, shall also be taken into account in the documentation, packing, labelling, marking, placarding, stowage, segregation and carriage, in order to be in compliance with all relevant provisions for dangerous goods of ADR.

1.7.6 Non-compliance

1.7.6.1 In the event of a non-compliance with any limit in ADR applicable to radiation level or contamination,

(a) The consignor shall be informed of the non-compliance by:

(i) the carrier if the non-compliance is identified during carriage; or

(ii) the consignee if the non-compliance is identified at receipt;

(b) The carrier, consignor or consignee, as appropriate shall:

(i) take immediate steps to mitigate the consequences of the non-compliance;

(ii) investigate the non-compliance and its causes, circumstances and consequences;

(iii) take appropriate action to remedy the causes and circumstances that led to the non-compliance and to prevent a recurrence of similar circumstances that led to the non-compliance; and

(iv) communicate to the competent authority(ies) on the causes of the non-compliance and on corrective or preventive actions taken or to be taken; and

(c) The communication of the non-compliance to the consignor and competent authority(ies), respectively, shall be made as soon as practicable and it shall be immediate whenever an emergency exposure situation has developed or is developing.

CHAPTER 1.8

CHECKS AND OTHER SUPPORT MEASURES TO ENSURE COMPLIANCE WITH SAFETY REQUIREMENTS

1.8.1 Administrative controls of dangerous goods

1.8.1.1 The competent authorities of the Contracting Parties may, on their national territory, at any time, conduct spot checks to verify whether the requirements concerning the carriage of dangerous goods have been met including, in accordance with 1.10.1.5, those concerning security measures.

These checks shall, however, be made without endangering persons, property or the environment and without major disruption of road services.

1.8.1.2 Participants in the carriage of dangerous goods (Chapter 1.4) shall, without delay, in the context of their respective obligations, provide the competent authorities and their agents with the necessary information for carrying out the checks.

1.8.1.3 The competent authorities may also, for the purposes of carrying out checks on the premises of the enterprises participating in the carriage of dangerous goods (Chapter 1.4), make inspections, consult the necessary documents and remove samples of dangerous goods or packagings for examination, provided that safety is not jeopardized thereby. The participants in the carriage of dangerous goods (Chapter 1.4) shall also make the vehicles or parts of vehicles and the equipment and installations accessible for the purpose of checking where this is possible and reasonable. They may, if they deem necessary, designate a person from the enterprise to accompany the representative of the competent authority.

1.8.1.4 If the competent authorities observe that the requirements of ADR have not been met, they may prohibit a consignment or interrupt a transport operation until the defects observed are rectified, or they may prescribe other appropriate measures. Immobilization may take place on the spot or at another place selected by the authorities for safety reasons. These measures shall not cause a major disruption in road services.

1.8.2 Mutual administrative support

1.8.2.1 The Contracting Parties shall agree on mutual administrative support for the implementation of ADR.

1.8.2.2 When a Contracting Party has reasons to observe that the safety of the carriage of dangerous goods on its territory is compromised as a result of very serious or repeated infringements by an enterprise which has its headquarters on the territory of another Contracting Party, it shall notify the competent authorities of this Contracting Party of such infringements. The competent authorities of the Contracting Party on the territory of which the very serious or repeated infringements were observed may request the competent authorities of the Contracting Party on the territory of which the enterprise has its headquarters to take appropriate measures against the offender(s). The transmission of data referring to persons shall not be permitted unless it is necessary for the prosecution of very serious or repeated infringements.

1.8.2.3 The authorities notified shall communicate to the competent authorities of the Contracting Party on the territory of which the infringements were observed, the measures which have, if necessary, been taken with respect to the enterprise.

1.8.3 Safety adviser

1.8.3.1 Each undertaking, the activities of which include the carriage, or the related packing, loading, filling or unloading, of dangerous goods by road shall appoint one or more safety advisers for the carriage of dangerous goods, responsible for helping to prevent the risks inherent in such activities with regard to persons, property and the environment.

1.8.3.2 The competent authorities of the Contracting Parties may provide that these requirements shall not apply to undertakings:

(a) The activities of which concern quantities in each transport unit smaller than those referred to in 1.1.3.6, 1.7.1.4 and in Chapters 3.3, 3.4 and 3.5, or

(b) The main or secondary activities of which are not the carriage or the related loading or unloading of dangerous goods but which occasionally engage in the national carriage or the related loading or unloading of dangerous goods posing little danger or risk of pollution.

1.8.3.3 The main task of the adviser shall be, under the responsibility of the head of the undertaking, to seek by all appropriate means and by all appropriate action, within the limits of the relevant activities of that undertaking, to facilitate the conduct of these activities in accordance with the requirements applicable and in the safest possible way.

With regard to the undertaking's activities, the adviser has the following duties in particular:

- monitoring compliance with the requirements governing the carriage of dangerous goods;

  advising his undertaking on the carriage of dangerous goods;

- preparing an annual report to the management of his undertaking or a local public authority, as appropriate, on the undertaking's activities in the carriage of dangerous goods. Such annual reports shall be preserved for five years and made available to the national authorities at their request.

The adviser's duties also include monitoring the following practices and procedures relating to the relevant activities of the undertaking:

- the procedures for compliance with the requirements governing the identification of dangerous goods being transported;

- the undertaking's practice in taking account, when purchasing means of transport, of any special requirements in connection with the dangerous goods being transported;

- the procedures for checking the equipment used in connection with the carriage, loading or unloading of dangerous goods;

- the proper training of the undertaking's employees, including on the changes to the regulations, and the maintenance of records of such training;

- the implementation of proper emergency procedures in the event of any accident or incident that may affect safety during the carriage, loading or unloading of dangerous goods;

- investigating and, where appropriate, preparing reports on serious accidents, incidents or serious infringements recorded during the carriage, loading or unloading of dangerous goods;

- the implementation of appropriate measures to avoid the recurrence of accidents, incidents or serious infringements;

  the account taken of the legal prescriptions and special requirements associated with the carriage of dangerous goods in the choice and use of sub-contractors or third parties;

- verification that employees involved in the carriage, loading or unloading of dangerous goods have detailed operational procedures and instructions;

- the introduction of measures to increase awareness of the risks inherent in the carriage, loading and unloading of dangerous goods,

- the implementation of verification procedures to ensure the presence on board the means of transport of the documents and safety equipment which must accompany transport and the compliance of such documents and equipment with the regulations;

- the implementation of verification procedures to ensure compliance with the requirements governing loading and unloading;

- the existence of the security plan indicated in 1.10.3.2.

1.8.3.4 The adviser may also be the head of the undertaking, a person with other duties in the undertaking, or a person not directly employed by that undertaking, provided that that person is capable of performing the duties of adviser.

1.8.3.5 Each undertaking concerned shall, on request, inform the competent authority or the body designated for that purpose by each Contracting Party of the identity of its adviser.

1.8.3.6 Whenever an accident affects persons, property or the environment or results in damage to property or the environment during carriage, loading or unloading carried out by the undertaking concerned, the adviser shall, after collecting all the relevant information, prepare an accident report to the management of the undertaking or to a local public authority, as appropriate. That report shall not replace any report by the management of the undertaking which might be required under any other international or national legislation.

1.8.3.7 An adviser shall hold a vocational training certificate, valid for transport by road. That certificate shall be issued by the competent authority or the body designated for that purpose by each Contracting Party.

1.8.3.8 To obtain a certificate, a candidate shall undergo training and pass an examination approved by the competent authority of the Contracting Party.

1.8.3.9 The main aims of the training shall be to provide candidates with sufficient knowledge of the risks inherent in the carriage of dangerous goods, of the laws, regulations and administrative provisions applicable to the modes of transport concerned and of the duties listed in 1.8.3.3.

1.8.3.10 The examination shall be organized by the competent authority or by an examining body designated by the competent authority. The examining body shall not be a training provider.

The examining body shall be designated in writing. This approval may be of limited duration and shall be based on the following criteria:

competence of the examining body;

- specifications of the form of the examinations the examining body is proposing,
- measures intended to ensure that examinations are impartial;
- independence of the body from all natural or legal persons employing safety advisers.

1.8.3.11 The aim of the examination is to ascertain whether candidates possess the necessary level of knowledge to carry out the duties incumbent upon a safety adviser as listed in 1.8.3.3, for the purpose of obtaining the certificate prescribed in sub-section 1.8.3.7, and it shall cover at least the following subjects:

(a) Knowledge of the types of consequences which may be caused by an accident involving dangerous goods and knowledge of the main causes of accidents;

(b) Requirements under national law, international conventions and agreements, with regard to the following in particular:

- classification of dangerous goods (procedure for classifying solutions and mixtures, structure of the list of substances, classes of dangerous goods and principles for their classification, nature of dangerous goods transported, physical, chemical and toxicological properties of dangerous goods);
- general packing provisions, provisions for tanks and tank-containers (types, code, marking, construction, initial and periodic inspection and testing);
- marking and labelling, placarding and orange plates marking (marking and labelling of packages, placing and removal of placards and orange plates);
- particulars in transport documents (information required);
- method of consignment and restrictions on dispatch (full load, carriage in bulk, carriage in intermediate bulk containers, carriage in containers, carriage in fixed or demountable tanks),
- transport of passengers;
- prohibitions and precautions relating to mixed loading;
- segregation of goods;
- limitation of the quantities carried and quantities exemptions;
- handling and stowage (loading and unloading - filling ratios -, stowage and segregation);
- cleaning and/or degassing before loading and after unloading;
- crews, vocational training;
- vehicle documents (transport documents, instructions in writing, vehicle approval certificate, driver training certificate, copies of any derogations, other documents);

- instructions in writing (implementation of the instructions and crew protection equipment);
- supervision requirements (packing);
- traffic regulations and restrictions;
- operational discharges or accidental leaks of pollutants;
- requirements relating to transport equipment.

1.8.3.12 *Examinations*

1.8.3.12.1 The examination shall consist of a written test which may be supplemented by an oral examination.

1.8.3.12.2 The use in the written test of documentation other than international or national regulations is not permitted.

1.8.3.12.3 Electronic media may be used only if provided by the examining body. There shall be no means of a candidate introducing further data to the electronic media provided; the candidate may only answer the questions posed.

1.8.3.12.4 The written test shall consist of two parts:

(a) Candidates shall receive a questionnaire. It shall include at least 20 open questions covering at least the subjects mentioned in the list in 1.8.3.6. However, multiple choice questions may be used. In this case, two multiple choice questions count as one open question. Amongst these subjects particular attention shall be paid to the following subjects:

- general preventive and safety measures;
- classification of dangerous goods;
- general packing provisions, including tanks, tank-containers, tank-vehicles, etc.;
- danger markings and labels;
- information in transport document;
- handling and stowage;
- crew, vocational training;
- vehicle documents and transport certificates;
- instructions in writing;
- requirements concerning transport equipment;

(b) Candidates shall undertake a case study in keeping with the duties of the adviser referred to in 1.8.3.3, in order to demonstrate that they have the necessary qualifications to fulfil the task of adviser.

1.8.3.13 The Contracting Parties may decide that candidates who intend working for undertakings specializing in the carriage of certain types of dangerous goods need only be questioned on the substances relating to their activities. These types of goods are:

- Class 1;
- Class 2;

  Class 7;
- Classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9.
- UN Nos. 1202, 1203, 1223, 3475, and aviation fuel classified under UN Nos. 1268 or 1863.

The certificate prescribed in 1.8.3.7 shall clearly indicate that it is only valid for one type of the dangerous goods referred to in this sub-section and on which the adviser has been questioned under the conditions defined in 1.8.3.12.

Certificates of training as safety advisers issued before 1 January 2009 for UN Nos. 1202, 1203 and 1223 are also valid for UN No. 3475 and aviation fuel classified under UN Nos. 1268 or 1863.

1.8.3.14 The competent authority or the examining body shall keep a running list of the questions that have been included in the examination.

1.8.3.15 The certificate prescribed in 1.8.3.7 shall take the form laid down in 1.8.3.18 and shall be recognized by all Contracting Parties.

1.8.3.16 ***Validity and renewal of certificates***

1.8.3.16.1 The certificate shall be valid for five years. The period of the validity of a certificate shall be extended from the date of its expiry for five years at a time where, during the year before its expiry, its holder has passed an examination. The examination shall be approved by the competent authority.

1.8.3.16.2 The aim of the examination is to ascertain that the holder has the necessary knowledge to carry out the duties set out in 1.8.3.3. The knowledge required is set out in 1.8.3.11 (b) and shall include the amendments to the regulations introduced since the award of the last certificate. The examination shall be held and supervised on the same basis as in 1.8.3.10 and 1.8.3.12 to 1.8.3.14. However, holders need not undertake the case study specified in 1.8.3.12.4 (b).

1.8.3.17 *(Deleted)*

1.8.3.18 ***Form of certificate***

Certificate of training as safety adviser for the transport of dangerous goods

Certificate No .....

Distinguishing sign of the State issuing the certificate: .....

Surname: .....

Forename(s): .....

Date and place of birth: .....

Nationality: .....

Signature of holder .....

Valid until ..... for undertakings which transport dangerous goods and for undertakings which carry out related loading or unloading:

☐ by road ☐ by rail ☐ by inland waterway

Issued by: .....

Date: ..... Signature .....

Extended until: ..... By: .....

Date: ..... Signature: .....

1.8.4 List of competent authorities and bodies designated by them

The Contracting Parties shall communicate to the Secretariat of the United Nations Economic Commission for Europe the addresses of the authorities and bodies designated by them which are competent in accordance with national law to implement ADR, referring in each case to the relevant requirement of ADR and giving the addresses to which the relevant applications should be made.

The Secretariat of the United Nations Economic Commission for Europe shall establish a list on the basis of the information received and shall keep it up-to-date. It shall communicate this list and the amendments thereto to the Contracting Parties.

1.8.5 Notifications of occurrences involving dangerous goods

1.8.5.1 If a serious accident or incident takes place during loading, filling, carriage or unloading of dangerous goods on the territory of a Contracting Party, the loader, filler, carrier or consignee, respectively, shall ascertain that a report conforming to the model prescribed in 1.8.5.4 is made to the competent authority of the Contracting Party concerned at the latest one month after the occurrence.

1.8.5.2 The Contracting Party shall in turn, if necessary, make a report to the Secretariat of the United Nations Economic Commission for Europe with a view to informing the other Contracting Parties.

1.8.5.3 An occurrence subject to report in accordance with 1.8.5.1 has occurred if dangerous goods were released or if there was an imminent risk of loss of product, if personal injury, material or environmental damage occurred, or if the authorities were involved and one or more of the following criteria has/have been met:

Personal injury means an occurrence in which death or injury directly relating to the dangerous goods carried has occurred, and where the injury

(a) Requires intensive medical treatment;

(b) Requires a stay in hospital of at least one day; or

(c) Results in the inability to work for at least three consecutive days

Loss of product means the release of dangerous goods

(a) Of transport category 0 or 1 in quantities of 50 kg / 50 *l* or more;

(b) Of transport category 2 in quantities of 333 kg / 333 *l* or more; or

(c) Of transport category 3 or 4 in quantities of 1 000 kg / 1 000 *l* or more.

The loss of product criterion also applies if there was an imminent risk of loss of product in the above-mentioned quantities. As a rule, this has to be assumed if, owing to structural damage, the means of containment is no longer suitable for further carriage or if, for any other reason, a sufficient level of safety is no longer ensured (e.g. owing to distortion of tanks or containers, overturning of a tank or fire in the immediate vicinity).

If dangerous goods of Class 6.2 are involved, the obligation to report applies without quantity limitation.

In occurrences involving Class 7 material, the criteria for loss of product are:

(a) Any release of radioactive material from the packages;

(b) Exposure leading to a breach of the limits set out in the regulations for protection of workers and members of the public against ionizing radiation (Schedule II of IAEA Safety Series No. 115 "International Basic Safety Standards for Protection Against Ionizing Radiation and for Safety of Radiation Sources"); or

(c) Where there is reason to believe that there has been a significant degradation in any package safety function (containment, shielding, thermal protection or criticality) that may have rendered the package unsuitable for continued carriage without additional safety measures.

NOTE: See the requirements of 7.5.11 CV33 (6) for undeliverable consignments

Material damage or environmental damage means the release of dangerous goods, irrespective of the quantity, where the estimated amount of damage exceeds 50,000 Euros. Damage to any directly involved means of carriage containing dangerous goods and to the modal infrastructure shall not be taken into account for this purpose

Involvement of authorities means the direct involvement of the authorities or emergency services during the occurrence involving dangerous goods and the evacuation of persons or closure of public traffic routes (roads/railways) for at least three hours owing to the danger posed by the dangerous goods.

If necessary, the competent authority may request further relevant information.

1.8.5.4 ***Model for report on occurrences during the carriage of dangerous goods***

Report on occurrences during the carriage of dangerous goods in accordance with RID/ADR section 1.8.5

Carrier/Railway infrastructure operator:
. . . . . .

Address:
. . . . . .

Contact name: . . . . . Telephone: . . . . . Fax: . . . . . .

(The competent authority shall remove this cover sheet before forwarding the report)

1. Mode	
□ Rail Wagon number (optional)	□ Road Vehicle registration (optional) .....
2. Date and location of occurrence	
Year: ..... Month:	Day: ..... Time: .....
Rail □ Station □ Shunting/marshalling yard □ Loading/unloading/transhipment site Location / Country: ..... or □ Open line: Description of line: ..... Kilometres:	Road □ Built-up area □ Loading/unloading/transhipment site □ Open road Location / Country: .....
3. Topography	
□ Gradient/incline □ Tunnel □ Bridge/Underpass □ Crossing	
4. Particular weather conditions	
□ Rain □ Snow □ Ice □ Fog □ Thunderstorm □ Storm Temperature: ..... °C	
5. Description of occurrence	
□ Derailment/Leaving the road □ Collision □ Overturning/Rolling over □ Fire □ Explosion □ Loss □ Technical fault Additional description of occurrence:	

6. Dangerous goods involved

UN Number [1]	Class	Packing Group	Estimated quantity of loss of products (kg or *l*) [2]	Means of containment [3]	Means of containment material	Type of failure of means of containment [4]

[1] For dangerous goods assigned to collective entries to which special provision 274 applies, also the technical name shall be indicated.

[2] For Class 7, indicate values according to the criteria in 1.8.5.3.

[3] Indicate the appropriate number
1 Packaging
2 IBC
3 Large packaging
4 Small container
5 Wagon
6 Vehicle
7 Tank-wagon
8 Tank-vehicle
9 Battery-wagon
10 Battery-vehicle
11 Wagon with demountable tanks
12 Demountable tank
13 Large container
14 Tank-container
15 MEGC
16 Portable tank

[4] Indicate the appropriate number
1 Loss
2 Fire
3 Explosion
4 Structural failure

7. Cause of occurrence (if clearly known)

□ Technical fault
□ Faulty load securing
□ Operational cause (rail operation)
□ Other:

.....
.....
.....

8. Consequences of occurrence

Personal injury in connection with the dangerous goods involved:
□ Deaths (number: .....)
□ Injured (number: .....)

Loss of product:
□ Yes
□ No
□ Imminent risk of loss of product

Material/Environmental damage:
□ Estimated level of damage ≤ 50,000 Euros
□ Estimated level of damage > 50,000 Euros

Involvement of authorities:
□ Yes
  □ Evacuation of persons for a duration of at least three hours caused by the dangerous goods involved
  □ Closure of public traffic routes for a duration of at least three hours caused by the dangerous goods involved
□ No

If necessary, the competent authority may request further relevant information.

1.8.6 **Administrative controls for application of the conformity assessments, periodic inspections, intermediate inspections and exceptional checks described in 1.8.7**

1.8.6.1 ***Approval of inspection bodies***

The competent authority may approve inspection bodies for conformity assessments, periodic inspections, intermediate inspections, exceptional checks and surveillance of the in house inspection service as specified in 1.8.7.

1.8.6.2 ***Operational obligations for the competent authority, its delegate or inspection body***

1.8.6.2.1 The competent authority, its delegate or inspection body shall carry out conformity assessments, periodic inspections, intermediate inspections and exceptional checks in a proportionate manner, avoiding unnecessary burdens. The competent authority, its delegate or inspection body shall perform its activities taking into consideration the size, the sector and the structure of the undertakings involved, the relative complexity of the technology and the serial character of production.

1.8.6.2.2 Nevertheless the competent authority, its delegate or inspection body shall respect the degree of rigour and the level of protection required for the compliance of the transportable pressure equipment by the provisions of parts 4 and 6 as applicable.

1.8.6.2.3 Where a competent authority, its delegate or inspection body finds out that requirements laid down in parts 4 or 6 have not been met by the manufacturer, it shall require the manufacturer to take appropriate corrective measures and it shall not issue any type approval certificate or certificate of conformity

1.8.6.3 ***Information obligation***

Contracting Parties to ADR shall publish their national procedures for the assessment, appointment and monitoring of inspection bodies and of any changes to that information.

1.8.6.4 ***Delegation of inspection tasks***

NOTE: *In-house inspection services according to 1.8.7.6 are not covered by 1.8.6.4.*

1.8.6.4.1 Where an inspection body uses the services of any other entity (e.g. subcontractor, subsidiary), to carry out specific tasks connected with the conformity assessment, periodic inspection, intermediate inspection or exceptional checks, this entity shall be included in the accreditation of the inspection body, or it shall be accredited separately. The inspection body shall ensure that this entity meets the requirements set out for the tasks given to it with the same level of competence and safety as laid down for inspection bodies (see 1.8.6.8) and the inspection body shall monitor it. The inspection body shall inform the competent authority about the above mentioned arrangements.

1.8.6.4.2 The inspection body shall take full responsibility for the tasks performed by such entities wherever the tasks are performed by them

1.8.6.4.3 The inspection body shall not delegate the whole task of conformity assessment, periodic inspection, intermediate inspection or exceptional checks. In any case, the assessment and the issue of certificates shall be carried out by the inspection body itself.

1.8.6.4.4 Activities shall not be delegated without the agreement of the applicant.

1.8.6.4.5 The inspection body shall keep at the disposal of the competent authority the relevant documents concerning the assessment of the qualifications and the work carried out by the above mentioned entities

1.8.6.5 ***Information obligations for inspection bodies***

Any inspection body shall inform the competent authority, which had approved it, of the following:

(a) Except when the provisions of 1.8.7.2.4 apply, any refusal, restriction, suspension or withdrawal of type approval certificates,

(b) Any circumstance(s) affecting the scope of and conditions for the approval as granted by the competent authority;

(c) Any request for information on conformity assessment activities performed which they have received from competent authorities monitoring compliance according to 1.8.1 or 1.8.6.6,

(d) On request, conformity assessment activities performed within the scope of their approval and any other activity performed, including delegation of tasks.

1.8.6.6 The competent authority shall ensure the monitoring of the inspection bodies and shall revoke or restrict the approval given, if it notes that an approved body is no longer in compliance with the approval and the requirements of 1.8.6.8 or does not follow the procedures specified in the provisions of ADR.

1.8.6.7 If the approval of the inspection body is revoked or restricted or if the inspection body ceased activity, the competent authority shall take the appropriate steps to ensure that the files are either processed by another inspection body or kept available.

1.8.6.8 The inspection body shall:

(a) Have a staff with an organizational structure, capable, trained, competent and skilled, to satisfactorily perform its technical functions;

(b) Have access to suitable and adequate facilities and equipment;

(c) Operate in an impartial manner and be free from any influence which could prevent it from doing so;

(d) Ensure commercial confidentiality of the commercial and proprietary activities of the manufacturer and other bodies.

(e) Maintain clear demarcation between actual inspection body functions and unrelated functions,

(f) Have a documented quality system,

(g) Ensure that the tests and inspections specified in the relevant standard and in ADR are performed; and

(h) Maintain an effective and appropriate report and record system in accordance with 1.8.7 and 1.8.8

The inspection body shall additionally be accredited according to the standard EN ISO/IEC 17020:2004, as specified in 6.2.2.7.10, 6.2.3.6 and 6.4.4 and TP9 of 6.8.4.

An inspection body starting a new activity may be approved temporarily. Before temporary designation, the competent authority shall ensure that the inspection body meets the

requirements of the standard EN ISO/IEC 17020:2004. The inspection body shall be accredited in its first year of activity to be able to continue this new activity.

1.8.7 Procedures for conformity assessment and periodic inspection

NOTE: *In this section, "relevant body" means a body assigned in 6.2.2.10 when certifying UN pressure receptacles, in 6.2.3.6 when approving non-UN pressure receptacles and in special provisions TA4 and TP9 of 6.8.4*

1.8.7.1 ***General provisions***

1.8.7.1.1 The procedures in section 1.8.7 shall be applied according to 6.2.3.6 when approving non-UN pressure receptacles and according to TA4 and TP9 of 6.8.4 when approving tanks, battery-vehicles and MEGCs.

The procedures in section 1.8.7 may be applied according to the table in 6.2.2.10 when certifying UN pressure receptacles.

1.8.7.1.2 Each application for

(a) The type approval in accordance with 1.8.7.2 or;

(b) The supervision of manufacture in accordance with 1.8.7.3 and the initial inspection and test in accordance with 1.8.7.4, or

(c) The periodic inspection, intermediate inspection and exceptional checks in accordance with 1.8.7.5

shall be lodged by the applicant with a single competent authority, its delegate or an approved inspection body of his choice.

1.8.7.1.3 The application shall include:

(a) The name and address of the applicant;

(b) For conformity assessment where the applicant is not the manufacturer, the name and address of the manufacturer;

(c) A written declaration that the same application has not been lodged with any other competent authority, its delegate or inspection body;

(d) The relevant technical documentation specified in 1.8.7.7;

(e) A statement allowing the competent authority, its delegate or inspection body access for inspection purposes to the locations of manufacture, inspection, testing and storage and providing it with all necessary information.

1.8.7.1.4 Where the applicant can demonstrate to the satisfaction of the competent authority or its delegated inspection body conformity with 1.8.7.6 the applicant may establish an in-house inspection service which may perform part or all of the inspections and tests when specified in 6.2.2.10 or 6.2.3.6.

1.8.7.1.5 Design type approval certificates and certificates of conformity - including the technical documentation - shall be retained by the manufacturer or by the applicant for the type approval, if he is not the manufacturer, and by the inspection body, who issued the certificate, for a period of at least 20 years starting from the last date of production of products of the same type.

1.8.7.1.6 When a manufacturer or owner intends to cease operation, he shall send the documentation to the competent authority. The competent authority shall then retain the documentation for the rest of the period specified in 1.8.7.1.5.

1.8.7.2 ***Type approval***

Type approvals authorise the manufacture of pressure receptacles, tanks, battery-vehicles or MEGCs within the period of validity of that approval

1.8.7.2.1 The applicant shall:

(a) In the case of pressure receptacles, place at the disposal of the relevant body representative samples of the production envisaged. The relevant body may request further samples if required by the test programme;

(b) In the case of tanks, battery-vehicles or MEGCs, give access to the prototype for type testing.

1.8.7.2.2 The relevant body shall:

(a) Examine the technical documentation specified in 1.8.7.1.1 to verify that the design is in accordance with the relevant provisions of ADR, and the prototype or the prototype lot has been manufactured in conformity with the technical documentation and is representative of the design;

(b) Perform the examinations and witness the tests specified in ADR, to determine that the provisions have been applied and fulfilled, and the procedures adopted by the manufacturer meet the requirements;

(c) Check the certificate(s) issued by the materials manufacturer(s) against the relevant provisions of ADR;

(d) As applicable, approve the procedures for the permanent joining of parts or check that they have been previously approved, and verify that the staff undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;

(e) Agree with the applicant the location and testing facilities where the examinations and necessary tests are to be carried out.

The relevant body shall issue a type-examination report to the applicant.

1.8.7.2.3 Where the type satisfies all applicable provisions, the competent authority, its delegate or the inspection body, shall issue a type approval certificate to the applicant

This certificate shall contain

(a) The name and address of the issuer;

(b) The name and address of the manufacturer and of the applicant when the applicant is not the manufacturer;

(c) A reference to the version of ADR and standards used for the type examination;

(d) Any requirements resulting from the examination;

(e) The necessary data for identification of the type and variation, as defined by the relevant standard.

(f) The reference to the type examination report(s), and

(g) The maximum period of validity of the type approval.

A list of the relevant parts of the technical documentation shall be annexed to the certificate (see 1.8.7.7.1).

1.8.7.2.4 The type approval shall be valid for a maximum of ten years. If within that period the relevant technical requirements of ADR (including referenced standards) have changed so that the approved type is no longer in conformity with them, the relevant body which issued the type approval shall withdraw it and inform the holder of the type approval.

NOTE: For the ultimate dates for withdrawal of existing type approvals, see column (9) of the tables in 6.2.4 and 6.8.2.6 or 6.8.3.6 as appropriate.

If a type approval has expired or has been withdrawn, the manufacture of the pressure receptacles, tanks, battery-vehicles or MEGCs according to that type approval is no longer authorised.

In such a case, the relevant provisions concerning the use, periodic inspection and intermediate inspection of pressure receptacles, tanks, battery-vehicles or MEGCs contained in the type approval which has expired or has been withdrawn shall continue to apply to these pressure receptacles, tanks, battery-vehicles or MEGCs constructed before the expiry or the withdrawal if they may continue to be used.

They may continue to be used as long as they remain in conformity with the requirements of ADR. If they are no longer in conformity with the requirements of ADR they may continue to be used only if such use is permitted by relevant transitional measures in Chapter 1.6.

Type approvals may be renewed by a complete review and assessment for conformity with the provisions of ADR applicable at the date of renewal. Renewal is not permitted after a type approval has been withdrawn. Interim amendments of an existing type approval (e.g. for pressure receptacles minor amendments such as the addition of further sizes or volumes not affecting conformity, or for tanks see 6.8.2.3.2) do not extend or modify the original validity of the certificate.

NOTE: The review and assessment of conformity can be done by a body other than the one which issued the original type approval.

The issuing body shall keep all documents for the type approval (see 1.8.7.7.1) for the whole period of validity including its renewals if granted.

1.8.7.2.5 In the case of a modification of a pressure receptacle, tank, battery-vehicle or MEGC with a valid, expired or withdrawn type approval, the testing, inspection and approval are limited to the parts of the pressure receptacle, tank, battery-vehicle or MEGC that have been modified. The modification shall meet the provisions of ADR applicable at the time of the modification. For all parts of the pressure receptacle, tank, battery-vehicle or MEGC not affected by the modification, the documentation of the initial type approval remains valid.

A modification may apply to one or more pressure receptacles, tanks, battery-vehicles or MEGCs covered by a type approval.

A certificate approving the modification shall be issued to the applicant by the competent authority of any Contracting Party to ADR or by a body designated by this authority. For tanks, battery-vehicles or MEGCs, a copy shall be kept as part of the tank record.

Each application for an approval certificate for a modification shall be lodged by the applicant with a single competent authority or body designated by this authority.

1.8.7.3 ***Supervision of manufacture***

1.8.7.3.1 The manufacturing process shall be subject to a survey by the relevant body to ensure the product is produced in conformity with the provisions of the type approval.

1.8.7.3.2 The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of ADR and of the type approval certificate and its annexes.

1.8.7.3.3 The relevant body shall:

(a) Verify the conformity with the technical documentation specified in 1.8.7.7.2;

(b) Verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it;

(c) Verify the traceability of materials and check the material certificate(s) against the specifications;

(d) As applicable, verify that the personnel undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;

(e) Agree with the applicant on the location where the examinations and necessary tests are to be carried out; and

(f) Record the results of its survey.

1.8.7.4 ***Initial inspection and tests***

1.8.7.4.1 The applicant shall:

(a) Affix the marks specified in ADR; and

(b) Supply to the relevant body the technical documentation specified in 1.8.7.7.

1.8.7.4.2 The relevant body shall:

(a) Perform the necessary examinations and tests in order to verify that the product is manufactured in accordance with the type approval and the relevant provisions;

(b) Check the certificates supplied by the manufacturers of service equipment against the service equipment;

(c) Issue an initial inspection and test report to the applicant relating to the detailed tests and verifications carried out and the verified technical documentation;

(d) Draw up a written certificate of conformity of the manufacture and affix its registered mark when the manufacture satisfies the provisions; and

(e) Check if the type approval remains valid after provisions of ADR (including referenced standards) relevant to the type approval have changed.

The certificate in (d) and report in (c) may cover a number of items of the same type (group certificate or report).

1.8.7.4.3 The certificate shall contain as a minimum:

(a) The name and address of the relevant body;

(b) The name and address of the manufacturer and the name and address of the applicant, if not the manufacturer;

(c) A reference to the version of the ADR and standards used for the initial inspections and tests;

(d) The results of the inspections and tests;

(e) The data for identification of the inspected product(s), at least the serial number or for non refillable cylinders the batch number; and

(f) The type approval number.

1.8.7.5 ***Periodic inspection, intermediate inspection and exceptional checks***

1.8.7.5.1 The relevant body shall:

(a) Perform the identification and verify the conformity with the documentation;

(b) Carry out the inspections and witness the tests in order to check that the requirements are met;

(c) Issue reports of the results of the inspections and tests, which may cover a number of items; and

(d) Ensure that the required marks are applied.

1.8.7.5.2 Reports of periodic inspections and tests of pressure receptacles shall be retained by the applicant at least until the next periodic inspection.

NOTE: *For tanks, see provisions for tank records in 4.3.2.1.7.*

1.8.7.6 ***Surveillance of the applicant's in-house inspection service***

1.8.7.6.1 The applicant shall:

(a) Implement an in-house inspection service with a quality system for inspections and tests documented in 1.8.7.7.5 and subject to surveillance;

(b) Fulfil the obligations arising out of the quality system as approved and to ensure that it remains satisfactory and efficient;

(c) Appoint trained and competent personnel for the in-house inspection service; and

(d) Affix the registered mark of the inspection body where appropriate.

1.8.7.6.2 The inspection body shall carry out an initial audit. If satisfactory the inspection body shall issue an authorisation for a period not exceeding three years. The following provisions shall be met:

(a) This audit shall confirm that the inspections and tests performed on the product are in compliance with the requirements of ADR;

(b) The inspection body may authorise the in-house inspection service of the applicant to affix the registered mark of the inspection body to each approved product;

(c) The authorisation may be renewed after a satisfactory audit in the last year prior to the expiry. The new period of validity shall begin with the date of expiry of the authorisation; and

(d) The auditors of the inspection body shall be competent to carry out the assessment of conformity of the product covered by the quality system.

1.8.7.6.3 The inspection body shall carry out periodic audits within the duration of the authorisation to make sure that the applicant maintains and applies the quality system. The following provisions shall be met:

(a) A minimum of two audits shall be carried out in a 12 month period;

(b) The inspection body may require additional visits, training, technical changes, modifications of the quality system, restrict or prohibit the inspections and tests to be done by the applicant,

(c) The inspection body shall assess any changes in the quality system and decide whether the modified quality system will still satisfy the requirements of the initial audit or whether a full reassessment is required;

(d) The auditors of the inspection body shall be competent to carry out the assessment of conformity of the product covered by the quality system; and

(e) The inspection body shall provide the applicant with a visit or audit report and, if a test has taken place, with a test report.

1.8.7.6.4 In cases of non conformity with the relevant requirements the inspection body shall ensure that corrective measures are taken. If corrective measures are not taken in due time, the inspection body shall suspend or withdraw the permission for the in-house inspection service to carry out its activities. The notice of suspension or withdrawal shall be transmitted to the competent authority. A report shall be provided to the applicant giving detailed reasons for the decisions taken by the inspection body.

1.8.7.7 *Documents*

The technical documentation shall enable an assessment to be made of conformity with the relevant requirements

1.8.7.7.1 *Documents for type approval*

The applicant shall provide as appropriate:

(a) The list of standards used for the design and manufacture;

(b) A description of the type including all variations;

(c) The instructions according to the relevant column of table A of Chapter 3.2 or a list of dangerous goods to be transported for dedicated products;

(d) A general assembly drawing or drawings;

(e) The detailed drawings, including the dimensions used for the calculations, of the product, the service equipment, the structural equipment, the marking and/or the labelling necessary to verify the conformity;

(f) The calculation notes, results and conclusions;

(g) The list of the service equipment with the relevant technical data and information on the safety devices including the calculation of the relief capacity if relevant;

(h) The list of material requested in the standard for manufacture used for every part, sub-part, lining, service and structural equipment and the corresponding material specifications or the corresponding declaration of conformity to ADR;

(i) The approved qualification of permanent joining process;

(j) The description of the heat treatment process(es); and

(k) The procedures, descriptions and records of all relevant tests listed in the standards or ADR for the type approval and for the manufacture.

1.8.7.7.2 *Documents for the supervision of manufacture*

The applicant shall make available as appropriate:

(a) The documents listed in 1.8.7.7.1,

(b) A copy of the type approval certificate,

(c) The manufacturing procedures including test procedures;

(d) The manufacturing records;

(e) The approved qualifications of permanent joining operators;

(f) The approved qualifications of the non destructive test operators;

(g) The reports of the destructive and non destructive tests;

(h) The heat treatment records; and

(i) The calibration records.

1.8.7.7.3 *Documents for initial inspection and tests*

The applicant shall make available as appropriate:

(a) The documents listed in 1.8.7.7.1 and 1.8.7.7.2;

(b) The material certificates of the product and any sub-parts;

(c) The declarations of conformity and material certificates of the service equipment; and

(d) A declaration of conformity including the description of the product and all the variations adopted from the type approval

1.8.7.4 *Documents for periodic inspections, intermediate inspections and exceptional checks*

The applicant shall make available as appropriate:

(a) For pressure receptacles, the documents specifying special requirements when the manufacturing and periodic inspections and tests standards so require,

(b) For tanks:

(i) the tank record; and

(ii) one or more of the documents mentioned in 1.8.7.4.1 to 1.8.7.4.3

1.8.7.5 *Documents for the assessment of in-house inspection service*

The applicant for in-house inspection service shall make available the quality system documentation as appropriate:

(a) The organizational structure and responsibilities;

(b) The relevant inspection and test, quality control, quality assurance and process operation instructions, and systematic actions that will be used;

(c) The quality records, such as inspection reports, test data, calibration data and certificates;

(d) The management reviews to ensure the effective operation of the quality system arising from the audits in accordance with 1.8.7.6;

(e) The process describing how customer and regulation requirements are met,

(f) The process for control of documents and their revision,

(g) The procedures for dealing with non-conforming products; and

(h) The training programmes and qualification procedures for relevant personnel.

1.8.7.8 ***Products manufactured, approved, inspected and tested according to standards***

The requirements of 1.8.7.7 are considered to have been complied with if the following standards, as relevant, are applied:

Applicable subsection and paragraph	References	Title of the document
1.8.7.7.1 to 1.8.7.7.4	EN 12972:2007	Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks

1.8.8 Procedures for conformity assessment of gas cartridges

When assessing the conformity of gas cartridges, one of the following procedures shall be applied:

(a) The procedure in section 1.8.7 for non-UN pressure receptacles, with the exception of 1.8.7.5; or

(b) The procedure in sub-sections 1.8.8.1 to 1.8.8.7.

1.8.8.1 ***General provisions***

1.8.8.1.1 The supervision of manufacture shall be carried out by an Xa body and the tests as required in 6.2.6 shall be carried out either by that Xa body or by an IS-body approved by that Xa body. For definition of Xa and IS bodies see definitions in 6.2.3.6.1. Conformity assessment shall be carried out by the competent authority, its delegate or its approved inspection body of a Contracting Party to ADR.

1.8.8.1.2 By the application of 1.8.8, the applicant shall demonstrate, ensure and declare on his sole responsibility the conformity of gas cartridges with the provisions of 6.2.6 and all further applicable provisions of ADR.

1.8.8.1.3 The applicant shall

(a) Carry out a design type examination of each type of gas cartridges (including materials to be used and variations of that type, e.g. volumes, pressures, drawings and closing and release devices) according to 1.8.8.2;

(b) Operate an approved quality system for design, manufacture, inspection and testing according to 1.8.8.3;

(c) Operate an approved testing regime according to 1.8.8.4 for the tests required in 6.2.6;

(d) Apply for the approval of his quality system for supervision of manufacture and for testing to one Xa body of his choice of the Contracting Party; if the applicant is not established in a Contracting Party he shall apply to one Xa body of a Contracting Party prior to first transport into a Contracting Party;

(e) If the gas cartridge is finally assembled from parts manufactured by the applicant by one or more other enterprise(s), provide written instructions how to assemble and fill the gas cartridges to meet the provisions of his type examination certificate.

1.8.8.1.4 Where the applicant and enterprises assembling or filling gas cartridges according to the instructions of the applicant, can demonstrate to the satisfaction of the Xa body conformity with the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (h), they may establish an in-house inspection service which may perform part or all of the inspections and tests specified in 6.2.6.

1.8.8.2 ***Design type examination***

1.8.8.2.1 The applicant shall establish a technical documentation for each type of gas cartridges including the technical standard(s) applied. If he chooses to apply a standard not referenced in 6.2.6, he shall add the standard applied to the documentation.

1.8.8.2.2 The applicant shall retain the technical documentation together with samples of that type at the disposal of the Xa body during production and afterwards for a period of minimum five years starting from the last date of production of gas cartridges according to that type examination certificate.

1.8.8.2.3 The applicant shall after careful examination issue a design type certificate which shall be valid for a maximum period of ten years; he shall add this certificate to the documentation. This certificate authorises him to produce gas cartridges of that type for that period.

1.8.8.2.4 If within that period the relevant technical requirements of ADR (including references standards) have changed so that the design type is no longer in conformity with them, the applicant shall withdraw his type examination certificate and inform the Xa body.

1.8.8.2.5 The applicant may after careful and complete review reissue the certificate for another period of maximum ten years.

1.8.8.3 *Supervision of manufacture*

1.8.8.3.1 The procedure of design type examination as well as the manufacturing process shall be subject to a survey by the Xa body to ensure the type certified by the applicant and the product as produced are in conformity with the provisions of the design type certificate and the applicable provisions of ADR. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.

1.8.8.3.2 The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of ADR and of his design type certificate and its annexes. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.

1.8.8.3.3 The Xa body shall:

(a) Verify the conformity of the design type examination of the applicant and conformity of the type of gas cartridges with the technical documentation specified in 1.8.8.2;

(b) Verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it; if the gas cartridge is finally assembled from parts manufactured by the applicant by one or more enterprise(s), the Xa body shall also verify that the gas cartridges are in full conformity with all applicable provisions after final assembly and filling and that the instructions of the applicant are correctly applied;

(c) Verify that the personnel undertaking the permanent joining of parts and the tests are qualified or approved;

(d) Record the results of its surveys.

1.8.8.3.4 If the findings of the Xa body show non-conformity of the design type certificate of the applicant or the manufacturing process, he shall require appropriate corrective measures or withdrawal of the certificate from the applicant.

1.8.8.4 *Leakproofness test*

1.8.8.4.1 The applicant and enterprises finally assembling and filling gas cartridges according to the instructions of the applicant shall:

(a) Carry out the tests required in 6.2.6;

(b) Record the test results;

(c) Issue a certificate of conformity only for gas cartridges, which are in full compliance with the provisions of his design type examination and the applicable provisions of ADR and have successfully passed the tests as required in 6.2.6;

(d) Retain the documentation as specified in 1.8.8.7 during production and afterwards for a period of minimum five years from the last date of production of gas cartridges belonging to one type approval for inspection by the Xa body at random intervals;

(e) Affix a durable and legible mark identifying the type of gas cartridge, the applicant and the date of production or batch number; where due to limited available space the mark cannot be fully applied to the body of the gas cartridge, he shall affix a durable

tag with this information to the gas cartridge or place it together with a gas cartridge in an inner packaging.

1.8.8.4.2 The Xa body shall:

(a) Perform the necessary examinations and tests at random intervals, but at least shortly after starting of manufacture of a type of gas cartridges and thereafter at least once every three years, in order to verify that the procedure for design type examination of the applicant as well as that the manufacture and testing of the product are carried out in accordance with the design type certificate and the relevant provisions;

(b) Check the certificates supplied by the applicant;

(c) Carry out the tests as required in 6.2.6 or approve the program of testing and the in-house inspection service to carry out the tests.

1.8.8.4.3 The certificate shall contain as a minimum:

(a) The name and address of the applicant and, when the final assembly is not carried out by the applicant but by an enterprise or enterprises in accordance with the written instructions of the applicant, the name(s) and address(es) of these enterprises;

(b) A reference to the version of ADR and the standard(s) used for manufacture and tests;

(c) The result of inspections and tests;

(d) The data for the marking as required in 1.8.8.4.1 (c).

1.8.8.5 *(Reserved)*

1.8.8.6 ***Surveillance of the in-house inspection service***

When the applicant or enterprise assembling or filling gas cartridges has established an in-house inspection service, the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b) shall be applied. The enterprise assembling or filling gas cartridges shall comply with the provisions relevant to the applicant.

1.8.8.7 ***Documents***

The provisions of 1.8.7.7.1, 1.8.7.7.2, 1.8.7.7.3 and 1.8.7.7.5 shall be applied.

CHAPTER 1.9

TRANSPORT RESTRICTIONS BY THE COMPETENT AUTHORITIES

1.9.1 In accordance with Article 4, paragraph 1 of ADR, the entry of dangerous goods into the territory of Contracting Parties may be subject to regulations or prohibitions imposed for reasons other than safety during carriage. Such regulations or prohibitions shall be published in an appropriate form.

1.9.2 Subject to the provisions of 1.9.3, a Contracting Party may apply to vehicles engaged in the international carriage of dangerous goods by road on its territory certain additional provisions not included in ADR, provided that those provisions do not conflict with Article 2, paragraph 2 of the Agreement, and are contained in its domestic legislation applying equally to vehicles engaged in the domestic carriage of dangerous goods by road on the territory of that Contracting Party.

1.9.3 Additional provisions falling within the scope of 1.9.2 are as follows:

(a) Additional safety requirements or restrictions concerning vehicles using certain structures such as bridges, vehicles using combined transport units such as ferries or trains, or vehicles entering or leaving ports or other transport terminals;

(b) Requirements for vehicles to follow prescribed routes to avoid commercial or residential areas, environmentally sensitive areas, industrial zones containing hazardous installations or roads presenting severe physical hazards;

(c) Emergency requirements regarding routeing or parking of vehicles carrying dangerous goods resulting from extreme weather conditions, earthquake, accident, industrial action, civil disorder or military hostilities;

(d) Restrictions on movement of dangerous goods traffic on certain days of the week or year.

1.9.4 The competent authority of the Contracting Party applying on its territory any additional provisions within the scope of 1.9.3 (a) and (d) above shall notify the secretariat of the United Nations Economic Commission for Europe of the additional provisions, which secretariat shall bring them to the attention of the Contracting Parties[1].

1.9.5 Tunnel restrictions

NOTE: Provisions concerning restrictions for the passage of vehicles through road tunnels are also included in Chapter 3.6.

1.9.5.1 ***General provisions***

When applying restrictions to the passage of vehicles carrying dangerous goods through tunnels, the competent authority shall assign the road tunnel to one of the tunnel categories defined in 1.9.5.2.2. Account should be taken of the tunnel characteristics, risk assessment including availability and suitability of alternative routes and modes and traffic management considerations. The same tunnel may be assigned to more than one tunnel category, e.g. depending on the hours of the day, or the day of the week etc.

[1] *A General Guideline for the Calculation of Risks in the Transport of Dangerous Goods by Road may be consulted on the website of the secretariat of the United Nations Economic Commission for Europe (http://www.unece.org/trans/danger/danger.htm)*

1.9.5.2 ***Categorization***

1.9.5.2.1 The categorization shall be based on the assumption that in tunnels there are three major dangers which may cause numerous victims or serious damage to the tunnel structure:

(a) Explosions;

(b) Release of toxic gas or volatile toxic liquid;

(c) Fires.

1.9.5.2.2 The five tunnel categories are the following:

Tunnel category A:

No restrictions for the transport of dangerous goods;

Tunnel category B:

Restriction for dangerous goods which may lead to a very large explosion:

The following dangerous goods are considered to fulfil this criterion[2]:

Class 1:	Compatibility groups A and L,
Class 3:	Classification code D (UN Nos. 1204, 2059, 3064, 3343, 3357 and 3379),
Class 4.1:	Classification codes D and DT; and
	Self reactive substances, type B (UN Nos. 3221, 3222, 3231 and 3232);
Class 5.2:	Organic peroxides, type B (UN Nos. 3101, 3102, 3111 and 3112).
When the total net explosive mass per transport unit is greater than 1000 kg:	
Class 1:	Divisions 1.1, 1.2 and 1.5 (except compatibility groups A and L).
When carried in tanks:	
Class 2:	Classification codes F, TF and TFC;
Class 4.2:	Packing group I,
Class 4.3:	Packing group I;
Class 5.1:	Packing group I
Class 6.1:	UN No. 1510

Tunnel category C:

Restriction for dangerous goods which may lead to a very large explosion, a large explosion or a large toxic release;

The following dangerous goods are considered to fulfil this criterion[2]:

- the dangerous goods restricted in tunnel category B, and
- the following dangerous goods.

[2] *The assessment is based on the intrinsic dangerous properties of the goods, the type of containment and the quantity carried.*

Class 1:	Divisions 1.1, 1.2 and 1.5 (except compatibility groups A and L), and Division 1.3 (compatibility groups H and J);
Class 3:	UN Nos. 2977 and 2978.
When the net explosive mass per transport unit is greater than 5000 kg:	
Class 1:	Division 1.3 (compatibility groups C and G).
When carried in tanks:	
Class 2:	Classification codes 2A, 2O, 3A and 3O, and classification codes containing the letter T only or letter groups TC, TO and TOC
Class 3:	Packing group I for classification codes FC, FT1, FT2 and FTC;
Class 6.1:	Packing group I, except UN No. 1510
Class 8:	Packing group I for classification codes CT1, CFT and COT.

Tunnel category D:

Restriction for dangerous goods which may lead to a very large explosion, to a large explosion, to a large toxic release or to a large fire;

The following dangerous goods are considered to fulfil this criterion[2]:

- the dangerous goods restricted in tunnel category C, and
- the following dangerous goods:

Class 1:	Division 1.3 (compatibility groups C and G);
Class 2:	Classification codes F, FC, T, TF, TC, TO, TFC and TOC;
Class 4.1:	Self-reactive substances, types C, D, E and F; and UN Nos. 2956, 3241, 3242 and 3251;
Class 5.2:	Organic peroxides, types C, D, E and F;
Class 6.1:	Packing group I for classification codes TF1, TFC and TFW, and Toxic by inhalation entries for which special provision 354 is assigned in column (6) of Table A of Chapter 3.2 and toxic by inhalation entries of UN Nos. 3381 to 3390;
Class 8:	Packing group I for classification codes CT1, CFT and COT;
Class 9:	Classification codes M9 and M10.
When carried in bulk or in tanks:	
Class 3	
Class 4.2:	Packing group I;
Class 4.3:	Packing group I,
Class 6.1:	Packing group I; and Packing group III for classification code TF2;
Class 8:	Packing group I for classification codes CF1, CFT and CW1; and Packing group II for classification codes CF1 and CFT
Class 9:	Classification codes M2 and M3

[2] *The assessment is based on the intrinsic dangerous properties of the goods, the type of containment and the quantity carried.*

Tunnel category E:

Restriction for all dangerous goods other than UN Nos. 2919, 3291, 3331, 3359 and 3373 and for all dangerous goods in accordance with the provisions of Chapter 3.4 if the quantities carried exceed 8 tonnes total gross mass per transport unit.

NOTE: For the dangerous goods assigned to UN Nos. 2919 and 3331, restrictions to the passage through tunnels may, however, be part of the special arrangement approved by the competent authority(ies) on the basis of 1.7.4.2.

1.9.5.3 ***Provisions for road signs and notification of restrictions***

1.9.5.3.1 Contracting Parties shall indicate tunnel prohibitions and alternative routes by means of signs and signals.

1.9.5.3.2 For this purpose, they may use signs C, 3h and D, 10a, 10b and 10c and signals according to the Vienna Convention on Road Signs and Signals (Vienna, 1968) and the European Agreement supplementing the Convention on Road Signs and Signals (Geneva, 1971) as interpreted by the Resolution on Road Signs and Signals (R.E.2) of the UNECE Inland Transport Committee Principal Working Party on Road Transport, as amended.

1.9.5.3.3 In order to facilitate international understanding of signs, the system of signs and signals prescribed in the Vienna Convention is based on the use of shapes, and colours characteristic of each class of signs and wherever possible, on the use of graphic symbols rather than inscriptions. Where Contracting Parties consider it necessary to modify the signs and symbols prescribed, the modifications made shall not alter their essential characteristics. Where Contracting Parties do not apply the Vienna Convention, the prescribed signs and symbols may be modified, provided that the modifications made shall not alter their essential intent.

1.9.5.3.4 Traffic signs and signals intended to prohibit access of vehicles carrying dangerous goods to road tunnels shall be affixed at a place where the choice of alternative routes is possible.

1.9.5.3.5 When access to tunnels is restricted or alternative routes are prescribed, the signs shall be displayed with additional panels as follows:

No sign: no restriction.

Sign with additional panel bearing the letter B: applies to vehicles carrying dangerous goods not allowed in tunnels of category B;

Sign with additional panel bearing the letter C: applies to vehicles carrying dangerous goods not allowed in tunnels of category C;

Sign with additional panel bearing the letter D: applies to vehicles carrying dangerous goods not allowed in tunnels of category D;

Sign with additional panel bearing the letter E: applies to vehicles carrying dangerous goods not allowed in tunnels of category E.

1.9.5.3.6 Tunnel restrictions shall apply to transport units for which an orange-coloured plate marking in accordance with 5.3.2 is required and, for tunnels of category E, they shall apply also to transport units for which a marking in accordance with 3.4.13 is required or carrying containers for which a marking in accordance with 3.4.13 is required

Tunnel restrictions shall not apply when dangerous goods are carried in accordance with 1.1.3, except when vehicles carrying such goods are marked in accordance with 3.4.13 subject to 3.4.14[1].

1.9.5.3.7 Restrictions shall be published officially and made publicly available. Contracting Parties shall notify the secretariat of UNECE of such restrictions and the secretariat shall make this information publicly available on its website.

1.9.5.3.8 When Contracting Parties apply specific operating measures designed to reduce the risks and related to some or all vehicles using tunnels, such as declaration before entering or passage in convoys escorted by accompanying vehicles, such operating measures shall be published officially and made publicly available.

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[1] *or in accordance with 3.4.15 subject to 3.4.11 of ADR as applicable until 31 December 2010 if the transitional measures of 1.6.1.20 are applied*

CHAPTER 1.10

SECURITY PROVISIONS

NOTE: For the purposes of this Chapter, security means measures or precautions to be taken to minimise theft or misuse of dangerous goods that may endanger persons, property or the environment.

1.10.1 General provisions

1.10.1.1 All persons engaged in the carriage of dangerous goods shall consider the security requirements set out in this Chapter commensurate with their responsibilities.

1.10.1.2 Dangerous goods shall only be offered for carriage to carriers that have been appropriately identified.

1.10.1.3 Areas within temporary storage terminals, temporary storage sites, vehicle depots, berthing areas and marshalling yards used for the temporary storage during carriage of dangerous goods shall be properly secured, well lit and, where possible and appropriate, not accessible to the general public.

1.10.1.4 Each member of a vehicle crew shall carry with them means of identification, which includes their photograph, during carriage of dangerous goods.

1.10.1.5 Safety inspections in accordance with 1.8.4 and 7.5.1.1 shall cover appropriate security measures.

1.10.1.6 The competent authority shall maintain up-to-date registers of all valid training certificates for drivers stipulated in 8.2.1 issued by it or by any recognized organization.

1.10.2 Security training

1.10.2.1 The training and the refresher training specified in Chapter 1.3 shall also include elements of security awareness. The security refresher training need not be linked to regulatory changes only.

1.10.2.2 Security awareness training shall address the nature of security risks, recognising security risks, methods to address and reduce such risks and actions to be taken in the event of a security breach. It shall include awareness of security plans (if appropriate) commensurate with the responsibilities and duties of individuals and their part in implementing security plans.

1.10.2.3 Such training shall be provided or verified upon employment in a position involving dangerous goods transport and shall be periodically supplemented with refresher training.

1.10.2.4 Records of all security training received shall be kept by the employer and made available to the employee or competent authority, upon request. Records shall be kept by the employer for a period of time established by the competent authority.

1.10.3 Provisions for high consequence dangerous goods

1.10.3.1 ***Definition of high consequence dangerous goods***

1.10.3.1.1 High consequence dangerous goods are those which have the potential for misuse in a terrorist event and which may, as a result, produce serious consequences such as mass casualties, mass destruction or, particularly for Class 7, mass socio-economic disruption.

1.10.3.1.2 High consequence dangerous goods in classes other than Class 7 are those listed in Table 1.10.3.1.2 below and carried in quantities greater than those indicated therein.

Table 1.10.3.1.2: List of high consequence dangerous goods

Class	Division	Substance or article	Quantity		
			Tank (l)[c]	Bulk (kg)[d]	Packages (kg)
1	1.1	Explosives	[a]	[a]	0
	1.2	Explosives	[a]	[a]	0
	1.3	Compatibility group C explosives	[a]	[a]	0
	1.4	Explosives of UN Nos. 0104, 0237, 0255, 0267, 0289, 0361, 0365, 0366, 0440, 0441, 0455, 0456 and 0500	[a]	[a]	0
	1.5	Explosives	0	[a]	0
2		Flammable gases (classification codes including only the letter F)	3000	[a]	[b]
		Toxic gases (classification codes including letters T, TF, TC, TO, TFC or TOC) excluding aerosols	0	[a]	0
3		Flammable liquids of packing groups I and II	3000	[a]	[b]
		Desensitized explosives	0	[a]	0
4.1		Desensitized explosives	[a]	[a]	0
4.2		Packing group I substances	3000	[a]	[b]
4.3		Packing group I substances	3000	[a]	[b]
5.1		Oxidizing liquids of packing group I	3000	[a]	[b]
		Perchlorates, ammonium nitrate, ammonium nitrate fertilisers and ammonium nitrate emulsions or suspensions or gels	3000	3000	[b]
6.1		Toxic substances of packing group I	0	[a]	0
6.2		Infectious substances of Category A (UN Nos. 2814 and 2900, except for animal material)	[b]	0	0
8		Corrosive substances of packing group I	3000	[a]	[b]

[a] *Not relevant.*

[b] *The provisions of 1.10.3 do not apply, whatever the quantity is.*

[c] *A value indicated in this column is applicable only if carriage in tanks is authorized, in accordance with Chapter 3.2, Table A, column (10) or (12). For substances that are not authorized for carriage in tanks, the instruction in this column is not relevant.*

[d] *A value indicated in this column is applicable only if carriage in bulk is authorized, in accordance with Chapter 3.2, Table A, column (10) or (17). For substances that are not authorized for carriage in bulk, the instruction in this column is not relevant.*

1.10.3.1.3 For dangerous goods of Class 7, high consequence radioactive material is that with an activity equal to or greater than a transport security threshold of 3 000 A_2 per single package (see also 2.2.7.2.2.1) except for the following radionuclides where the transport security threshold is given in Table 1.10.3.1.3 below.

Table 1.10.3.1.3: Transport security thresholds for specific radionuclides

Element	Radionuclide	Transport security threshold (TBq)
Americium	Am-241	0.6
Gold	Au-198	2
Cadmium	Cd-109	200
Californium	Cf-252	0.2
Curium	Cm-244	0.5
Cobalt	Co-57	7
Cobalt	Co-60	0.3
Caesium	Cs-137	1
Iron	Fe-55	8000
Germanium	Ge-68	7
Gadolinium	Gd-153	10
Iridium	Ir-192	0.8
Nickel	Ni-63	600
Palladium	Pd-103	900
Promethium	Pm-147	400
Polonium	Po-210	0.6
Plutonium	Pu-238	0.6
Plutonium	Pu-239	0.6
Radium	Ra-226	0.4
Ruthenium	Ru-106	3
Selenium	Se-75	2
Strontium	Sr-90	10
Thallium	Tl-204	200
Thulium	Tm-170	200
Ytterbium	Yb-169	3

1.10.3.1.4 For mixtures of radionuclides, determination of whether or not the transport security threshold has been met or exceeded can be calculated by summing the ratios of activity present for each radionuclide divided by the transport security threshold for that radionuclide. If the sum of the fractions is less than 1, then the radioactivity threshold for the mixture has not been met nor exceeded.

This calculation can be made with the formula:

$$\sum_i \frac{A_i}{T_i} < 1$$

Where:

A_i = activity of radionuclide i that is present in a package (TBq)

T_i = transport security threshold for radionuclide i (TBq).

1.10.3.1.5 When radioactive material possesses subsidiary risks of other classes, the criteria of table 1.10.3.1.2 shall also be taken into account (see also 1.7.5).

1.10.3.2 ***Security plans***

1.10.3.2.1 Carriers, consignors and other participants specified in 1.4.2 and 1.4.3 engaged in the carriage of high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3) shall accept, implement and comply with a security plan that addresses at least the elements specified in 1.10.3.2.2.

1.10.3.2.2 The security plan shall comprise at least the following elements:

(a) Specific allocation of responsibilities for security to competent and qualified persons with appropriate authority to carry out their responsibilities;

(b) Records of dangerous goods or types of dangerous goods concerned;

(c) Review of current operations and assessment of security risks, including any stops necessary to the transport operation, the keeping of dangerous goods in the vehicle, tank or container before, during and after the journey and the intermediate temporary storage of dangerous goods during the course of intermodal transfer or transhipment between units as appropriate;

(d) Clear statement of measures that are to be taken to reduce security risks, commensurate with the responsibilities and duties of the participant, including:

- training;

  security policies (e.g. response to higher threat conditions, new employee/employment verification, etc.);

- operating practices (e.g. choice/use of routes where known, access to dangerous goods in intermediate temporary storage (as defined in (c)), proximity to vulnerable infrastructure etc.);

- equipment and resources that are to be used to reduce security risks;

(e) Effective and up to date procedures for reporting and dealing with security threats, breaches of security or security incidents;

(f) Procedures for the evaluation and testing of security plans and procedures for periodic review and update of the plans;

(g) Measures to ensure the physical security of transport information contained in the security plan; and

(h) Measures to ensure that the distribution of information relating to the transport operation contained in the security plan is limited to those who need to have it. Such measures shall not preclude the provision of information required elsewhere in ADR.

NOTE: *Carriers, consignors and consignees should co-operate with each other and with competent authorities to exchange threat information, apply appropriate security measures and respond to security incidents.*

1.10.3.3 Devices, equipment or arrangements to prevent the theft of the vehicle carrying high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3) and its cargo, shall be applied and measures taken to ensure that these are operational and effective at all times. The application of these protective measures shall not jeopardize emergency response.

NOTE: *When appropriate and already fitted, the use of transport telematics or other tracking methods or devices should be used to monitor the movement of high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3).*

1.10.4 In accordance with the provisions of 1.1.3.6, the requirements of 1.10.1, 1.10.2, 1.10.3 and 8.1.2.1 (d) do not apply when the quantities carried in packages on a transport unit do not exceed those referred to in 1.1.3.6.3, except for UN Nos. 0029, 0030, 0059, 0065, 0073, 0104, 0237, 0255, 0267, 0288, 0289, 0290, 0360, 0361, 0364, 0365, 0366, 0439, 0440, 0441, 0455, 0456 and 0500 and except for UN Nos. 2910 and 2911 if the activity level exceeds the A2 value (see first indent of 1.1.3.6.2). In addition, the requirements of 1.10.1, 1.10.2, 1.10.3 and 8.1.2.1 (d) do not apply when the quantities carried in tanks or in bulk on a transport unit do not exceed those referred to in 1.1.3.6.3. In addition the provisions of this Chapter do not apply to the carriage of UN No. 2912 RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I) and UN No. 2913 RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I).

1.10.5 For radioactive material, the provisions of this Chapter are deemed to be complied with when the provisions of the Convention on Physical Protection of Nuclear Material[1] and the IAEA circular on "The Physical Protection of Nuclear Material and Nuclear Facilities"[2] are applied

[1] *INFCIRC/274/Rev.1. IAEA, Vienna (1980).*

[2] *INFCIRC/225/Rev.4 (Corrected). IAEA, Vienna (1999).*

PART 2

Classification

CHAPTER 2.1

GENERAL PROVISIONS

2.1.1 Introduction

2.1.1.1 The classes of dangerous goods according to ADR are the following:

Class 1	Explosive substances and articles
Class 2	Gases
Class 3	Flammable liquids
Class 4.1	Flammable solids, self-reactive substances and solid desensitized explosives
Class 4.2	Substances liable to spontaneous combustion
Class 4.3	Substances which, in contact with water, emit flammable gases
Class 5.1	Oxidizing substances
Class 5.2	Organic peroxides
Class 6.1	Toxic substances
Class 6.2	Infectious substances
Class 7	Radioactive material
Class 8	Corrosive substances
Class 9	Miscellaneous dangerous substances and articles

2.1.1.2 Each entry in the different classes has been assigned a UN number. The following types of entries are used:

A. Single entries for well defined substances or articles including entries for substances covering several isomers, e.g.:

UN No. 1090	ACETONE
UN No. 1104	AMYL ACETATES
UN No. 1194	ETHYL NITRITE SOLUTION

B Generic entries for a well defined group of substances or articles, which are not n.o.s. entries, e.g.

UN No. 1133	ADHESIVES
UN No. 1266	PERFUMERY PRODUCTS
UN No. 2757	CARBAMATE PESTICIDE, SOLID, TOXIC
UN No. 3101	ORGANIC PEROXIDE TYPE B, LIQUID

C Specific n.o.s. entries covering a group of substances or articles of a particular chemical or technical nature, not otherwise specified, e.g.

UN No. 1477	NITRATES, INORGANIC, N.O.S.
UN No. 1987	ALCOHOLS, N.O.S.

D General n.o.s. entries covering a group of substances or articles having one or more dangerous properties, not otherwise specified, e.g.:

UN No. 1325	FLAMMABLE SOLID, ORGANIC, N.O.S.
UN No. 1993	FLAMMABLE LIQUID, N.O.S.

The entries defined under B, C and D are defined as collective entries.

2.1.1.3 For packing purposes, substances other than those of Classes 1, 2, 5.2, 6.2 and 7, and other than self-reactive substances of Class 4.1 are assigned to packing groups in accordance with the degree of danger they present:

Packing group I: Substances presenting high danger;
Packing group II: Substances presenting medium danger;
Packing group III: Substances presenting low danger.

The packing group(s) to which a substance is assigned is (are) indicated in Table A of Chapter 3.2.

2.1.2 Principles of classification

2.1.2.1 The dangerous goods covered by the heading of a class are defined on the basis of their properties according to sub-section 2.2.x.1 of the relevant class. Assignment of dangerous goods to a class and a packing group is made according to the criteria mentioned in the same sub-section 2.2.x.1. Assignment of one or several subsidiary risk(s) to a dangerous substance or article is made according to the criteria of the class or classes corresponding to these risks, as mentioned in the appropriate sub-section(s) 2.2.x.1.

2.1.2.2 All dangerous goods entries are listed in Table A of Chapter 3.2 in the numerical order of their UN Number. This table contains relevant information on the goods listed, such as name, class, packing group(s), label(s) to be affixed, packing and carriage provisions [1].

2.1.2.3 A substance may contain technical impurities (for example those deriving from the production process) or additives for stability or other purposes that do not affect their classification. However, a substance mentioned by name, i.e. listed as a single entry in Table A of Chapter 3.2, containing technical impurities or additives for stability or other purposes affecting its classification shall be considered a solution or mixture (see 2.1.3.5).

2.1.2.4 Dangerous goods which are listed or defined in sub-section 2.2.x.2 of each class are not to be accepted for carriage.

2.1.2.5 Goods not mentioned by name, i.e. goods not listed as single entries in Table A of Chapter 3.2 and not listed or defined in one of the above-mentioned sub-sections 2.2.x.2 shall be assigned to the relevant class in accordance with the procedure of section 2.1.3. In addition, the subsidiary risk (if any) and the packing group (if any) shall be determined. Once the class, subsidiary risk (if any) and packing group (if any) have been established the relevant UN number shall be determined. The decision trees in sub-sections 2.2.x.3 (list of collective entries) at the end of each class indicate the relevant parameters for selecting the relevant collective entry (UN number). In all cases the most specific collective entry covering the properties of the substance or article shall be selected, according to the hierarchy indicated in 2.1.1.2 by the letters B, C and D respectively. If the substance or article cannot be classified under entries of type B or C according to 2.1.1.2, then, and only then shall it be classified under an entry of type D.

2.1.2.6 On the basis of the test procedures of Chapter 2.3 and the criteria set out in sub-sections 2.2.x.1 of classes when it is so specified, it may be determined that a substance, solution or mixture of a certain class, mentioned by name in Table A of Chapter 3.2, does not meet the criteria of that class. In such a case, the substance, solution or mixture is deemed not to belong to that class.

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[1] *Note by the Secretariat: An alphabetic list of these entries has been prepared by the secretariat and is reproduced in Table B of Chapter 3.2. This table is not an official part of the ADR.*

2.1.2.7 For the purposes of classification, substances with a melting point or initial melting point of 20 °C or lower at a pressure of 101.3 kPa shall be considered to be liquids. A viscous substance for which a specific melting point cannot be determined shall be subjected to the ASTM D 4359-00 test or to the test for determining fluidity (penetrometer test) prescribed in 2.3.4.

2.1.3 Classification of substances, including solutions and mixtures (such as preparations and wastes), not mentioned by name

2.1.3.1 Substances including solutions and mixtures not mentioned by name shall be classified according to their degree of danger on the basis of the criteria mentioned in sub-section 2.2.x.1 of the various classes. The danger(s) presented by a substance shall be determined on the basis of its physical and chemical characteristics and physiological properties. Such characteristics and properties shall also be taken into account when such experience leads to a more stringent assignment.

2.1.3.2 A substance not mentioned by name in Table A of Chapter 3.2 presenting a single hazard shall be classified in the relevant class under a collective entry listed in sub-section 2.2.x.3 of that class.

2.1.3.3 A solution or mixture meeting the classification criteria of ADR composed of a single predominant substance mentioned by name in Table A of Chapter 3.2 and one or more substances not subject to ADR or traces of one or more substances mentioned by name in Table A of Chapter 3.2, shall be assigned the UN number and proper shipping name of the predominant substance mentioned by name in Table A of Chapter 3.2 unless:

(a) The solution or mixture is mentioned by name in Table A of Chapter 3.2;

(b) The name and description of the substance mentioned by name in Table A of Chapter 3.2 specifically indicate that they apply only to the pure substance;

(c) The class, classification code, packing group, or physical state of the solution or mixture is different from that of the substance mentioned by name in Table A of Chapter 3.2; or

(d) The hazard characteristics and properties of the solution or mixture necessitate emergency response measures that are different from those required for the substance mentioned by name in Table A of Chapter 3.2.

In those other cases, except the one described in (a), the solution or mixture shall be classified as a substance not mentioned by name in the relevant class under a collective entry listed in sub-section 2.2.x.3 of that class taking account of the subsidiary risks presented by that solution or mixture, if any, unless the solution or mixture does not meet the criteria of any class, in which case it is not subject to ADR.

2.1.3.4 Solutions and mixtures containing substances belonging to one of the entries mentioned in 2.1.3.4.1 or 2.1.3.4.2 shall be classified in accordance with the provisions of these paragraphs.

2.1.3.4 Solutions and mixtures containing one of the following substances mentioned by name shall always be classified under the same entry as the substance they contain, provided they do not have the hazard characteristics as mentioned in 2.1.3.5.3:

- Class 3

  UN No 1921 PROPYLENEIMINE, STABILIZED, UN No 3064 NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin;

- Class 6.1

  UN No 1051 HYDROGEN CYANIDE, STABILIZED, containing less than 3% water, UN No 1185 ETHYLENEIMINE, STABILIZED; UN No 1259 NICKEL CARBONYL; UN No 1613 HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION), with not more than 20% hydrogen cyanide; UN No. 1614 HYDROGEN CYANIDE, STABILIZED, containing not more than 3% water and absorbed in a porous inert material, UN No 1994 IRON PENTACARBONYL; UN No. 2480 METHYL ISOCYANATE; UN No. 2481 ETHYL ISOCYANATE, UN No. 3294 HYDROGEN CYANIDE, SOLUTION IN ALCOHOL, with not more than 45% hydrogen cyanide;

- Class 8

  UN No. 1052 HYDROGEN FLUORIDE, ANHYDROUS, UN No. 1744 BROMINE or UN No. 1744 BROMINE SOLUTION; UN No. 1790 HYDROFLUORIC ACID with more than 85% hydrogen fluoride, UN No. 2576 PHOSPHORUS OXYBROMIDE, MOLTEN,

2.1.3.4.2 Solutions and mixtures containing a substance belonging to one of the following entries of Class 9.

UN No. 2315 POLYCHLORINATED BIPHENYLS, LIQUID;
UN No. 3151 POLYHALOGENATED BIPHENYLS, LIQUID;
UN No. 3151 POLYHALOGENATED TERPHENYLS, LIQUID,
UN No. 3152 POLYHALOGENATED BIPHENYLS, SOLID
UN No 3152 POLYHALOGENATED TERPHENYLS, SOLID; or
UN No 3432 POLYCHLORINATED BIPHENYLS, SOLID

shall always be classified under the same entry of Class 9 provided that:

they do not contain any additional dangerous component other than components of packing group III of classes 3, 4.1, 4.2, 4.3, 5.1, 6.1 or 8; and

they do not have the hazard characteristics as indicated in 2.1.3.5.3

2.1.3.5 Substances not mentioned by name in Table A of Chapter 3.2, having more than one hazard characteristic and solutions or mixtures meeting the classification criteria of ADR containing several dangerous substances shall be classified under a collective entry (see 2.1.2.5) and packing group of the appropriate class in accordance with their hazard characteristics. Such classification according to the hazard characteristics shall be carried out as follows:

2.1.3.5.1 The physical and chemical characteristics and physiological properties shall be determined by measurement or calculation and the substance, solution or mixture shall be classified according to the criteria mentioned in sub-section 2.2.x.2 of the various classes.

2.1.3.5.2 If this determination is not possible without disproportionate cost or effort (as for some kinds of wastes), the substance, solution or mixture shall be classified in the class of the component presenting the major hazard.

2.1.3.5.3 If the hazard characteristics of the substance, solution or mixture fall within more than one class or group of substances listed below then the substance, solution or mixture shall be

classified in the class or group of substances corresponding to the major hazard on the basis of the following order of precedence:

(a) Material of Class 7 (apart from radioactive material in excepted packages for which special provision 290 of Chapter 3.3 applies where the other hazardous properties take precedence);

(b) Substances of Class 1;

(c) Substances of Class 2;

(d) Liquid desensitized explosives of Class 3;

(e) Self-reactive substances and solid desensitized explosives of Class 4.1;

(f) Pyrophoric substances of Class 4.2;

(g) Substances of Class 5.2;

(h) Substances of Class 6.1 meeting the inhalation toxicity criteria of packing group I (Substances meeting the classification criteria of Class 8 and having an inhalation toxicity of dust and mist (LC50) in the range of Packing group I and a toxicity through oral ingestion or dermal contact only in the range of Packing group III or less, shall be allocated to Class 8);

(i) Infectious substances of Class 6.2.

2.1.3.5.4 If the hazard characteristics of the substance fall within more than one class or group of substances not listed in 2.1.3.5.3 above, the substance shall be classified in accordance with the same procedure but the relevant class shall be selected according to the precedence of hazards table in 2.1.3.10.

2.1.3.5.5 If the substance to be carried is a waste with a composition that is not precisely known, its assignment to a UN number and packing group in accordance with 2.1.3.5.2 may be based on the consignor's knowledge of the waste, reviewing all available technical and safety data as requested by safety and environmental legislation in force [1].

In case of doubt, the highest danger level shall be taken.

If however, on the basis of the knowledge of the composition of the waste and the physical and chemical properties of the identified components, it is possible to demonstrate that the properties of the waste do not correspond to the properties of the packing group I level, the waste may be classified by default in the most appropriate n.o.s. entry of packing group II. However, if it is known that the waste possesses only environmentally hazardous properties, it may be assigned to packing group III under UN Nos. 3077 or 3082.

This procedure may not be used for wastes containing substances mentioned in 2.1.3.5.3, substances of Class 4.3, substances of the case mentioned in 2.1.3.7 or substances which are not accepted for carriage in accordance with 2.2.x.2.

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[1] *Such legislation is for instance the Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste (replaced by the Directive 2006/12/EC of the European Parliament and of the Council (Official Journal of the European Union No. L 114 of 27 April 2006, page 9)) and Council Decision 94/904/EC establishing a list of hazardous wastes pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (Official Journal of the European Communities No. L 226 of 6 September 2000, page 3).*

2.1.3.6 The most specific applicable collective entry (see 2.1.2.5) shall always be used, i.e. a general n.o.s. entry shall only be used if a generic entry or a specific n.o.s. entry cannot be used

2.1.3.7 Solutions and mixtures of oxidizing substances or substances with an oxidizing subsidiary risk may have explosive properties. In such a case they are not to be accepted for carriage unless they meet the requirements for Class 1.

2.1.3.8 Substances of classes 1 to 6.2, 8 and 9, other than those assigned to UN Nos. 3077 and 3082, meeting the criteria of 2.2.9.1.10 are additionally to their hazards of classes 1 to 6.2, 8 and 9 considered to be environmentally hazardous substances. Other substances meeting the criteria of no other class, but those of 2.2.9.1.10 are to be assigned to UN Nos. 3077 and 3082 as appropriate.

2.1.3.9 Wastes that do not meet the criteria for classification in classes 1 to 9 but are covered by the *Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal* may be carried under UN Nos. 3077 or 3082.

2.1.3.10 *Table of precedence of hazards.*

Class and packing group	4.1.I	4.1.II	4.2.II	4.2.III	4.3.I	4.3.II	4.3.III	5.1.I	5.1.II	5.1.III	6.1.I DERMAL	6.1.I ORAL	6.1.II	6.1.III	8.1	8.II	8.III	9
3.I	SOL LIQ 4.1 3.I	SOL LIQ 4.1 3.I	SOL LIQ 4.2 3.I	SOL LIQ 4.2 3.I	4.3.I	4.3.I	4.3.I	SOL LIQ 5.1.I 3.I	SOL LIQ 5.1.I 3.I	SOL LIQ 5.1.I 3.I	3.I	3.I	3.I	3.I	3.I	3.I	3.I	3.I
3.II	SOL LIQ 4.1 3.II	SOL LIQ 4.1 3.I	SOL LIQ 4.2 3.II	SOL LIQ 4.2 3.II	4.3.I	4.3.II	4.3.II	SOL LIQ 5.1.I 3.I	SOL LIQ 5.1.II 3.II	SOL LIQ 5.1.II 3.II	3.I	3.I	3.II	3.II	3.I	3.II	3.II	3.II
3.III	SOL LIQ 4.1 3.II	SOL LIQ 4.1 3.III	SOL LIQ 4.2 3.II	SOL LIQ 4.2 3.III	4.3.I	4.3.II	4.3.III	SOL LIQ 5.1.I 3.I	SOL LIQ 5.1.II 3.II	SOL LIQ 5.1.II 3.II	6.1.I	6.1.I	6.1.II	6.1.III*	8.I	8.II	8.III	9.III
4.1.II			4.2.II	4.2.II	4.3.I	4.3.II	4.3.II	5.1.I	4.1.II	4.1.II	6.1.I	6.1.I	SOL LIQ 4.1.II 6.1.II	SOL LIQ 4.1.II 6.1.II	8.I	SOL LIQ 4.1.II 6.1.II	SOL LIQ 4.1.II 6.1.II	4.1.II
4.1.III			4.2.II	4.2.III	4.3.I	4.3.II	4.3.III	5.1.I	4.1.II	4.1.III	6.1.I	6.1.I	6.1.II	SOL LIQ 4.1.III 6.1.III	8.I	8.II	SOL LIQ 4.1.III 6.1.III	4.1.III
4.2.II					4.3.I	4.3.II	4.3.II	5.1.I	4.2.II	4.2.II	6.1.I	6.1.I	4.2.II	4.2.II	8.I	4.2.II	4.2.II	4.2.II
4.2.III					4.3.I	4.3.II	4.3.III	5.1.I	5.1.II	4.2.III	6.1.I	6.1.I	6.1.II	4.2.III	8.I	8.II	4.2.III	4.2.III
4.3.I								5.1.I	4.3.I	4.3.I	6.1.I	4.3.I	4.3.I	4.3.I	4.3.I	4.3.I	4.3.I	4.3.I
4.3.II								5.1.I	4.3.II	4.3.II	6.1.I	4.3.I	4.3.II	4.3.II	8.I	4.3.II	4.3.II	4.3.II
4.3.III								5.1.I	4.1.II	4.1.III	6.1.I	6.1.I	6.1.II	4.1.III	8.I	8.II	4.3.III	4.3.III
5.1.I											5.1.I	5.1.I	5.1.I	5.1.I	5.1.I	5.1.I	5.1.I	5.1.I
5.1.II											6.1.I	5.1.I	5.1.II	5.1.II	8.I	5.1.II	5.1.II	5.1.II
5.1.III											6.1.I	6.1.I	6.1.II	5.1.III	8.I	8.II	5.1.III	5.1.III
6.1.I DERMAL															SOL LIQ 6.1.I 8.I	6.1.I	6.1.I	6.1.I
6.1.I ORAL															SOL LIQ 6.1.I 8.I	6.1.I	6.1.I	6.1.I
6.1.II INHAL															SOL LIQ 6.1.I 8.I	6.1.I	6.1.II	6.1.II
6.1.II DERMAL															SOL LIQ 6.1.I 8.I	SOL LIQ 6.1.II 8.II	6.1.II	6.1.II
6.1.II ORAL															8.I	SOL LIQ 6.1.II 8.II	6.1.II	6.1.II
6.1.III															8.I	8.II	8.III	6.1.III
8.I																		8.I
8.II																		8.II
8.III																		8.III

SOL - Solid substances and mixtures
LIQ - Liquid substances, mixtures and solutions
DERMAL - Dermal toxicity
ORAL - Oral toxicity
INHAL - Inhalation toxicity
* Liquid 6.1.III prohibited

***NOTE** 1: Examples to explain the use of the table*

Classification of a single substance

Description of the substance to be classified:

An amine not mentioned by name meeting the criteria for Class 3, packing group II as well as those for Class 8, packing group I.

Procedure:

The intersection of line 3 II with column 8 I gives 8 I
This amine has therefore to be classified in Class 8 under:

UN No. 2734 AMINES LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or UN No. 2734 POLYAMINES LIQUID, CORROSIVE, FLAMMABLE, N.O.S.
packing group I

Classification of a mixture

Description of the mixture to be classified:

Mixture consisting of a flammable liquid classified in Class 3, packing group III, a toxic substance in Class 6.1 packing group II and a corrosive substance in Class 8, packing group I.

Procedure:

The intersection of line 3 III with column 6.1 II gives 6.1 II
The intersection of line 6.1 II with column 8 I gives 8 I (Q)
This mixture not further classified has therefore to be classified in Class 8 under:

UN No. 2922 CORROSIVE LIQUID, TOXIC, N.O.S. packing group I.

***NOTE** 2: Examples for the classification of mixtures and solutions under a class and a packing group.*

A phenol solution of Class 6.1, (II), in benzene of Class 3, (II) is to be classified in Class 3 (II); this solution is to be classified under UN No. 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., Class 3, (II), by virtue of the toxicity of the phenol.

A solid mixture of sodium arsenate of Class 6.1, (II) and sodium hydroxide of Class 8, (II) is to be classified under UN No. 3290 TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S. in Class 6.1 (II).

A solution of crude or refined naphthalene of Class 4.1, (III) or petrol of Class 3, (II), is to be classified under UN No. 3295 HYDROCARBONS, LIQUID, N.O.S. in Class 3, (II).

A mixture of hydrocarbons of Class 3, (III), and of polychlorinated biphenyls (PCB) of Class 9, (II), is to be classified under UN No. 2315 POLYCHLORINATED BIPHENYLS LIQUID or UN No. 3432 POLYCHLORINATED BIPHENYLS SOLID in Class 9, (II).

A mixture of propylenediamine of Class 3, and polychlorinated biphenyls (PCB) of Class 9, (II), is to be classified under UN No. 1921 PROPYLENEIMINE, INHIBITED in Class 3.

2.1.4 Classification of samples

2.1.4.1 When the class of a substance is uncertain and it is being carried for further testing, a tentative class, proper shipping name and UN number shall be assigned on the basis of the consignor's knowledge of the substance and application of:

(a) the classification criteria of Chapter 2.2; and

(b) the requirements of this Chapter.

The most severe packing group possible for the proper shipping name chosen shall be used.

Where this provision is used the proper shipping name shall be supplemented with the word "SAMPLE" (e.g., "FLAMMABLE LIQUID, N.O.S., SAMPLE"). In certain instances, where a specific proper shipping name is provided for a sample of a substance considered to meet certain classification criteria (e.g., GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, UN No. 3167) that proper shipping name shall be used. When an N.O.S. entry is used to carry the sample, the proper shipping name need not be supplemented with the technical name as required by special provision 274 of Chapter 3.3.

2.1.4.2 Samples of the substance shall be carried in accordance with the requirements applicable to the tentative assigned proper shipping name provided:

(a) The substance is not considered to be a substance not accepted for carriage by sub-sections 2.2.x.2 of Chapter 2.2 or by Chapter 3.2;

(b) The substance is not considered to meet the criteria for Class 1 or considered to be an infectious substance or a radioactive material;

(c) The substance is in compliance with 2.2.41.1.15 or 2.2.52.1.9 if it is a self-reactive substance or an organic peroxide, respectively;

(d) The sample is carried in a combination packaging with a net mass per package not exceeding 2.5 kg; and

(e) The sample is not packed together with other goods.

CHAPTER 2.2

CLASS SPECIFIC PROVISIONS

2.2.1 Class 1 Explosive substances and articles

2.2.1.1 ***Criteria***

2.2.1.1.1 The heading of Class 1 covers

(a) Explosive substances, solid or liquid substances (or mixtures of substances) capable by chemical reaction of producing gases at such a temperature and pressure and at such a speed as to cause damage to the surroundings.

Pyrotechnic substances: substances or mixtures of substances designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as the result of non-detonating self-sustaining exothermic chemical reactions;

NOTE 1: *Substances which are not themselves explosive but which may form an explosive mixture of gas, vapour or dust are not substances of Class 1.*

NOTE 2: *Also excluded from Class 1 are: water- or alcohol-wetted explosives in which the water or alcohol content exceeds the limits specified and those containing plasticizers - these explosives are assigned to Class 3 or Class 4.1 and those explosives which, on the basis of their predominant hazard, are assigned to Class 5.2.*

(b) Explosive articles: articles containing one or more explosive or pyrotechnic substances;

NOTE: *Devices containing explosive or pyrotechnic substances in such small quantities or of such a character that their inadvertent or accidental ignition or initiation during carriage would not cause any manifestation external to the device by projection, fire, smoke, heat or loud noise are not subject to the requirements of Class 1.*

(c) Substances and articles not mentioned above which are manufactured with a view to producing a practical effect by explosion or a pyrotechnic effect.

For the purposes of Class 1, the following definition applies:

'Phlegmatized' means that a substance (or "phlegmatizer") has been added to an explosive to enhance its safety in handling and carriage. The phlegmatizer renders the explosive insensitive, or less sensitive, to the following actions: heat, shock, impact, percussion or friction. Typical phlegmatizing agents include, but are not limited to: wax, paper, water, polymers (such as chlorofluoropolymers), alcohol and oils (such as petroleum jelly and paraffin).

2.2.1.1.2 Any substance or article having or suspected of having explosive properties shall be considered for assignment to Class 1 in accordance with the tests, procedures and criteria prescribed in Part I, Manual of Tests and Criteria.

A substance or article assigned to Class 1 can only be accepted for carriage when it has been assigned to a name or n.o.s. entry listed in Table A of Chapter 3.2 and meets the criteria of the Manual of Tests and Criteria.

2.2.1.1.3 The substances and articles of Class 1 shall be assigned to a UN Number and a name or n.o.s. entry listed in Table A of Chapter 3.2. Interpretation of the names of substances and articles in Table A of Chapter 3.2 shall be based upon the glossary in 2.2.1.4.

Samples of new or existing explosive substances or articles carried for purposes including testing, classification, research and development quality control, or as a commercial sample, other than initiating explosive, may be assigned to UN No. 0190 SAMPLES, EXPLOSIVE.

The assignment of explosive substances and articles not mentioned by name as such in Table A of Chapter 3.2 to an n.o.s. entry of Class 1 or UN No. 0190 SAMPLES, EXPLOSIVE as well as the assignment of certain substances the carriage of which is subject to a specific authorization by the competent authority according to the special provisions referred to in Column (6) of Table A of Chapter 3.2 shall be made by the competent authority of the country of origin. This competent authority shall also approve in writing the conditions of carriage of these substances and articles. If the country of origin is not a Contracting Party to ADR, the classification and the conditions of carriage shall be recognized by the competent authority of the first country Contracting Party to ADR reached by the consignment.

2.2.1.1.4 Substances and articles of Class 1 shall have been assigned to a division in accordance with 2.2.1.1.5 and to a compatibility group in accordance with 2.2.1.1.6. The division shall be based on the results of the tests described in 2.3.0 and 2.3.1 applying the definitions in 2.2.1.1.5. The compatibility group shall be determined in accordance with the definitions in 2.2.1.1.6. The classification code shall consist of the division number and the compatibility group letter.

2.2.1.1.5 *Definitions of divisions*

Division 1.1 Substances and articles which have a mass explosion hazard (a mass explosion is an explosion which affects almost the entire load virtually instantaneously).

Division 1.2 Substances and articles which have a projection hazard but not a mass explosion hazard.

Division 1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard:

(a) combustion of which gives rise to considerable radiant heat; or

(b) which burn one after another, producing minor blast or projection effects or both.

Division 1.4 Substances and articles which present only a slight risk of explosion in the event of ignition or initiation during carriage. The effects are largely confined to the package and no projection of fragments of appreciable size or range is to be expected. An external fire shall not cause virtually instantaneous explosion of almost the entire contents of the package.

Division 1.5 Very insensitive substances having a mass explosion hazard which are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of carriage. As a minimum requirement they must not explode in the external fire test.

Division 1.6 Extremely insensitive articles which do not have a mass explosion hazard. The articles contain only extremely insensitive substances and demonstrate a negligible probability of accidental initiation or propagation.

NOTE: The risk from articles of Division 1.6 is limited to the explosion of a single article.

2.2.1.1.6 *Definition of compatibility groups of substances and articles*

A Primary explosive substance.

B Article containing a primary explosive substance and not having two or more effective protective features. Some articles, such as detonators for blasting, detonator assemblies for blasting and primers, cap-type, are included, even though they do not contain primary explosives.

C Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance.

D Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation and without a propelling charge, or article containing a primary explosive substance and having two or more effective protective features.

E Article containing a secondary detonating explosive substance, without means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids).

F Article containing a secondary detonating explosive substance with its own means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids) or without a propelling charge.

G Pyrotechnic substance, or article containing a pyrotechnic substance, or article containing both an explosive substance and an illuminating, incendiary, tear- or smoke-producing substance (other than a water-activated article or one which contains white phosphorus, phosphides, a pyrophoric substance, a flammable liquid or gel or hypergolic liquids).

H Article containing both an explosive substance and white phosphorus.

J Article containing both an explosive substance and a flammable liquid or gel.

K Article containing both an explosive substance and a toxic chemical agent.

L Explosive substance or article containing an explosive substance and presenting a special risk (e.g. due to water activation or the presence of hypergolic liquids, phosphides or a pyrophoric substance) necessitating isolation of each type.

N Articles containing only extremely insensitive substances.

S Substance or article so packed or designed that any hazardous effects arising from accidental functioning are confined within the package unless the package has been degraded by fire, in which case all blast or projection effects are limited to the extent that they do not significantly hinder or prevent fire-fighting or other emergency response efforts in the immediate vicinity of the package.

NOTE 1: Each substance or article, packed in a specified packaging, may be assigned to one compatibility group only. Since the criterion of compatibility group S is empirical, assignment to this group is necessarily linked to the tests for assignment of a classification code.

NOTE 2: Articles of compatibility groups D and E may be fitted or packed together with their own means of initiation provided that such means have at least two effective protective features designed to prevent an explosion in the event of accidental functioning of the means of initiation. Such articles and packages shall be assigned to compatibility groups D or E.

NOTE 3: Articles of compatibility groups D and E may be packed together with their own means of initiation, which do not have two effective protective features (i.e. devices of initiation assigned to compatibility group B), provided that they comply with mixed packing provision MP21 of Section 4.1.10. Such packages shall be assigned to compatibility groups D or E.

NOTE 4: Articles may be fitted or packed together with their own means of ignition provided that the means of ignition cannot function during normal conditions of carriage.

NOTE 5: Articles of compatibility groups C, D and E may be packed together. Such packages shall be assigned to compatibility group E.

2.2.1.1.7 *Assignment of fireworks to divisions*

2.2.1.1.7.1 Fireworks shall normally be assigned to divisions 1.1, 1.2, 1.3, and 1.4 on the basis of test data derived from Test Series 6 of the Manual of Tests and Criteria. However, since the range of such articles is very extensive and the availability of test facilities may be limited, assignment to divisions may also be made in accordance with the procedure in 2.2.1.1.7.2.

2.2.1.1.7.2 Assignment of fireworks to UN Nos. 0333, 0334, 0335 and 0336 may be made on the basis of analogy, without the need for Test Series 6 testing, in accordance with the default fireworks classification table in 2.2.1.1.7.5. Such assignment shall be made with the agreement of the competent authority. Items not specified in the table shall be classified on the basis of test data derived from Test Series 6.

NOTE 1: The addition of other types of fireworks to column 1 of the table in 2.2.1.1.7.5 shall only be made on the basis of full test data submitted to the UN Sub-Committee of Experts on the Transport of Dangerous Goods for consideration.

NOTE 2: Test data derived by competent authorities which validates, or contradicts the assignment of fireworks specified in column 4 of the table in 2.2.1.1.7.5 to divisions in column 5 should be submitted to the UN Sub-Committee of Experts on the Transport of Dangerous Goods for information.

2.2.1.1.7.3 Where fireworks of more than one division are packed in the same package, they shall be classified on the basis of the most dangerous division unless test data derived from Test Series 6 indicate otherwise.

2.2.1.1.7.4 The classification shown in the table in 2.2.1.1.7.5 applies only for articles packed in fibreboard boxes (4G).

2.2.1.1.7.5 Default fireworks classification table [1]

NOTE 1: *References to percentages in the table, unless otherwise stated, are to the mass of all pyrotechnic substances (i.e. rocket motors, lifting charge, bursting charge and effect charge).*

NOTE 2: *"Flash composition" in this table refers to pyrotechnic substances in powder form or as pyrotechnic units as presented in the fireworks, that are used to produce an aural effect, as used as a bursting charge or lifting charge, unless the time taken for the pressure rise is demonstrated to be more than 4 ms for 0.5 g of pyrotechnic substance in the HSL Flash Composition Test in Appendix 7 of the Manual of Tests and Criteria.*

NOTE 3: *Dimensions in mm refer to:*

- *for spherical and peanut shells the diameter of the sphere of the shell,*
- *for cylinder shells the length of the shell,*
- *for a shell in mortar, Roman candle, shot tube firework or mine the inside diameter of the tube comprising or containing the firework;*
- *for a bag mine or cylinder mine, the inside diameter of the mortar intended to contain the mine*

[1] *This table contains a list of firework classifications which may be used in the sequence of Test Series 6 (see 2.2.1.7.2).*

Type	Includes / Synonym:	Definition	Specification	Classification
Shell, spherical or cylindrical	Spherical or spiky shell, metal shell, colour shell, dye shell, multi-break shell, multi-effect shell, patterned shell, parachute shell, smoke shell, star shell, report shell, maroon, salute, sound shell, thunderclap, ultra shell kit	Device with or without propellant charge, with delay fuse and bursting charge, pyrotechnic mixture or loose pyrotechnic substance that is designed to be projected from a mortar	All report shells	1.1G
			Colour shell, ≥ 180 mm	1.1G
			Colour shell: > 180 mm with > 25% flash composition as loose powder and/or report effects	1.1G
			Colour shell: > 180 mm with ≤ 25% flash composition as loose powder and/or report effects	1.3G
			Colour shell: ≤ 50 mm, or ≤ 60 g pyrotechnic substance, with ≤ 2% flash composition as loose powder and/or report effects	1.4G
Peanut shell		Device with two or more spherical aerial shells in a common wrapper propelled by the same propellant charge with separate external delay fuses	The most hazardous spherical aerial shell determines the classification	
Preloaded mortar shell or mortar bomb		Assembly comprising a spherical or cylindrical shell, inside a mortar from which the shell is designed to be projected	All report shells	1.1G
			Colour shell: > 180 mm	1.1G
			Colour shell: > 25% flash composition as loose powder and/or report effects	1.1G
			Colour shell: > 50 mm and ≤ 180 mm	1.3G
			Colour shell: ≤ 50 mm, or ≤ 60 g pyrotechnic substance, with ≤ 25% flash composition as loose powder and/or report effects	1.4G

Type	Includes: / Synonym:	Definition	Specification	Classification
Shell spherical or cylindrical (*rewards*)	Shell of shells (spherical) (*Reference to percentages for shell of shells are to the gross mass of the fireworks article*)	Device without propellant charge, with delay fuse and bursting charge, containing report shells and inert materials and designed to be projected from a mortar	≤ 120 mm	1.1G
		Device without propellant charge, with delay fuse and bursting charge, containing report shells ≤ 25g flash composition per report unit, with ≤ 33% flash composition and ≤ 60% inert materials and designed to be projected from a mortar	≤ 120 mm	1.3G
		Device without propellant charge, with delay fuse and bursting charge, containing colour shells and/or pyrotechnic units and designed to be projected from a mortar	≤ 300 mm	1.1G
		Device without propellant charge, with delay fuse and bursting charge, containing colour shells ≤ 70mm and/or pyrotechnic units, with ≤ 25% flash composition and ≤ 60% pyrotechnic substance and designed to be projected from a mortar	≤ 300 mm and ≤ 300 mm	1.3G
		Device with propellant charge, with delay fuse and bursting charge, containing colour shells ≤ 70 mm and/or pyrotechnic units, with ≤ 25% flash composition and ≤ 60% pyrotechnic substance and designed to be projected from a mortar	≤ 200 mm	1.3G
Battery combination	Barrage, bombardos, cakes, finale box, flowerbed, hybrid, multiple tubes, shell cakes, banger batteries, flash banger batteries	Assembly including several elements either containing the same type or several types each corresponding to one of the types of fireworks listed in this table, with one or two points of ignition	The most hazardous firework type determines the classification	

Type	Technules / Synonym us:	Definition	Specification	Classification
Roman candle	Exhibition candle, candle, bombettes	Tube containing a set es of pyrotechnic units consisting of alternate pyrotechnic substance, propellant charge and transmitting fuse	≥ 50 mm inner diameter, containing flash composition or ... 50 mm with ≥ 25% flash composition	1G
			> 50 mm inner diameter, containing no flash composition	3G
			≤ 50 mm inner diameter and ≤ 25% flash composition	3G
Shot tube	Single shot Roman candle, small preloaded mortar	Tube containing a pyrotechnic unit consisting of pyrotechnic substance, propellant charge with or without burning fuse	≤ 40 mm inner diameter, each pyrotechnic unit ≤ 25 g and ≤ 50% flash composition	3G
			30 mm inner diameter and pyrotechnic unit > 25 g, or > 50% and ≤ 75% flash composition	2G
			≤ 30 mm inner diameter, pyrotechnic unit ≤ 25 g and ≤ 50% flash composition	2G
Rocket	Aerial candle rocket, signal rocket, whistling rocket, bottle rocket, sky rocket, missile type rocket, table rocket	Tube containing pyrotechnic substance and or pyrotechnic units, equipped with stick/tail or other means for stabilization of flight, and designed to be projected into the air	Flash composition effects only	1G
			Flash composition > 25% of the pyrotechnic substance	2G
			≤ 20 g pyrotechnic substance and flash composition ≤ 25%	3G
			≤ 20 g pyrotechnic substance, black powder bursting charge and ≤ 0.13 g flash composition per report and ≤ 1 g in total	3G

Type	Includes: / Synonym:	Definition	Specification	Classification
Mine	Pot-a-feu, ground mine, log mine, cylinder mine	To be consuming propellant charge and pyrotechnic units and designed to be placed on the ground or to be fixed in the ground. The principal effect is ejection of all the pyrotechnic units in a single burst producing a widely dispersed visual and/or aural effect in the air or	≤ 200 g flash composition as loose powder and/or report effects	1.1G
			≤ 180 mm and ≤ 25% flash composition as loose powder and/or report effects	1.1G
		Shell or paper bag or shell or paper cylinder containing propellant charge and pyrotechnic units designed to be placed in a mortar and to function as a mine	> 180 mm and ≤ 25% flash composition as loose powder and/or report effects	1.3G
			≤ 150 g pyrotechnic substance containing ≤ 5% flash composition as loose powder and/or report effects. Each pyrotechnic unit ≤ 25 g, each report effect ≤ 2 g, each wheels, if any, ≤ 5 g	1.4G
Fountain	Volcanos, geysers, flowers, lances, Bengal fire, flitter sparkle, cylindrical fountains, cone fountains, illuminating torch	Non-metallic tube or container provided or consolidated pyrotechnic substance producing sparks and flame	> 1 kg pyrotechnic substance	1.3G
			≤ 1 kg pyrotechnic substance	1.4G
Sparkler	Handheld sparklers, non-handheld sparklers, wire sparklers	Rigid wire partially coated (along one end) with slow burning pyrotechnic substance with or without an ignition tip	Perchlorate based sparklers > 5 g per item and ≤ 10 items per pack	1.3G
			Perchlorate based sparklers > 5 g per item and ≤ 10 items per pack Nitrate based sparklers > 30 g per item	1.4G
Bengal stick	Dipped stick	Non-metallic stick partially coated (along one end) with slow-burning pyrotechnic substance and designed to be held in the hand	Perchlorate based items > 5 g per item or > 10 items per pack	1.3G
			Perchlorate based items ≤ 5 g per item and ≤ 10 items per pack; nitrate based items ≤ 30 g per item	1.4G

Type	Includes: / Synonym:	Definition	Specification	Classification
Low hazard fireworks and novelties	Table bombs, throwdowns, crackling granules, smokes, fog, snakes, glow worm, serpents, snaps, party poppers	Device designed to produce very limited visible and/or audible effect which contains small amounts of pyrotechnic and/or explosive composition.	Throwdowns and snaps may contain up to 1.0 mg of silver fulminate; snaps and party poppers may contain up to 10 mg of potassium chlorate red phosphorous mixture, other articles may contain up to 5 g of pyrotechnic substance, but no flash composition	1.4G
Spinner	Aerial spinner, helicopter, chaser, ground spinner	Non-metallic tube or tubes containing gas- or spark-producing pyrotechnic substance, with or without noise producing composition, with or without aerofoils attached	Pyrotechnic substance per item > 20 g, containing ≤ 3% flash composition as report effects, or whistle composition ≤ 5 g	1.3G
			Pyrotechnic substance per item ≤ 20 g, containing ≤ 3% flash composition as report effects, or whistle composition ≤ 5 g	1.4G
Wheels	Catherine wheels, Saxon	Assembly including drivers containing pyrotechnic substance and provided with a means of attaching it to a support so that it can rotate	≥ 1 kg total pyrotechnic substance, no report effect, each whistle (if any) ≤ 25 g and > 50 g whistle composition per wheel	1.3G
			< 1 kg total pyrotechnic substance, no report effect, each whistle (if any) ≤ 5 g and > 10 g whistle composition per wheel	1.4G
Aerial wheel	Flying Saxon, UFOs, rising crown	Tubes containing propellant charges and sparks-flame- and/or noise producing pyrotechnic substances, the tubes being fixed to a supporting ring	> 200 g total pyrotechnic substance or > 60 g pyrotechnic substance per driver, ≤ 3% flash composition as report effects, each whistle (if any) ≤ 25 g and ≤ 50 g whistle composition per wheel	1.3G

Type	Includes: / Synonym:	Definition	Specification	Classification
			≤ 200 g total pyrotechnic substance and ≤ 50 g pyrotechnic substance per driver, ≤ 2% flash composition as report effects, each whistle (if any) ≤ 5 g and ≥ 10 g whistle composition per wheel	1.4G
Selection pack	Display selection box, display selection pack, garden selection box, indoor selection box; assortment	A pack of more than one type each corresponding to one of the types of fireworks listed in this table	The most hazardous firework type determines the classification	
Firecracker	Celebration cracker, celebration roll, string cracker	Assembly of tubes (paper or cardboard) linked by a pyrotechnic fuse, each tube intended to produce an aural effect	Each tube ≤ 140 mg of flash composition or ≤ 1 g black powder	1.4G
Banger	Salute, flash banger, lady cracker	Non-metallic tube containing report composition intended to produce an aural effect	> 2 g flash composition per item	1.1G
			≤ 2 g flash composition per item and > 10 g per inner packaging	1.3G
			≤ 1 g flash composition per item and ≥ 10 g per inner packaging or > 10 g black powder per item	1.4G

2.2.1.1.8 Exclusion from Class 1

2.2.1.1.8.1 An article or a substance may be excluded from Class 1 by virtue of test results and the Class 1 definition with the approval of the competent authority of any ADR Contracting Party who may also recognize an approval granted by the competent authority of a country which is not an ADR Contracting Party provided that this approval has been granted in accordance with the procedures applicable according to RID, ADR, ADN, the IMDG Code or the ICAO Technical Instructions.

2.2.1.1.8.2 With the approval of the competent authority in accordance with 2.2.1.1.8.1, an article may be excluded from Class 1 when three unpackaged articles, each individually activated by its own means of initiation or ignition or external means to function in the designed mode, meet the following test criteria:

(a) No external surface shall have a temperature of more than 65 °C. A momentary spike in temperature up to 200 °C is acceptable;

(b) No rupture or fragmentation of the external casing or movement of the article or detached parts thereof of more than one metre in any direction;

NOTE: Where the integrity of the article may be affected or the event of an external fire these criteria shall be examined by a fire test, such as described in ISO 12097-3.

(c) No audible report exceeding 135 dB(C) peak at a distance of one metre;

(d) No flash or flame capable of igniting a material such as a sheet of 80 ± 10 g/m² paper in contact with the article; and

(e) No production of smoke, fumes or dust in such quantities that the visibility in a one cubic metre chamber equipped with appropriately sized blow out panels is reduced more than 50% as measured by a calibrated light flux meter or radiometer located one metre from a constant light source located at the midpoint on opposite walls. The general guidance on Optical Density Testing in ISO 5659-1 and the general guidance on the Photometric System described in Section 3.5 in ISO 5659-2 may be used or similar optical density measurement methods designed to accomplish the same purpose may also be employed. A suitable hood cover surrounding the back and sides of the light meter shall be used to minimize effects of scattered or leaking light not emitted directly from the source.

NOTE 1: *If during the tests addressing criteria (a), (b), (c) and (d) no or very little smoke is observed the test described in (e) may be waived.*

NOTE 2: *The competent authority referred to in 2.2.1.1.8.1 may require testing in packaged form if it is determined that, as packaged for carriage, the article may pose a greater risk.*

2.2.1.2 ***Substances and articles not accepted for carriage***

2.2.1.2.1 Explosive substances which are unduly sensitive according to the criteria of the Manual of Tests and Criteria, Part 1, or are liable to spontaneous reaction, as well as explosive substances and articles which cannot be assigned to a name or a UN entry listed in Table A of Chapter 3.2, shall not be accepted for carriage.

2.2.1.2.2 Articles of compatibility group K shall not be accepted for carriage (1.2K, UN No. 0020 and 1.3K, UN No. 0021).

2.2.1.3 *List of collective entries*

Classification code (see 2.2.1.1.4)	UN No.	Name of the substance or article
1.1A	0473	SUBSTANCES, EXPLOSIVE, N.O.S.
1.1B	0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S
1.1C	0474	SUBSTANCES, EXPLOSIVE, N.O.S.
	0497	PROPELLANT, LIQUID
	0498	PROPELLANT, SOLID
	0462	ARTICLES, EXPLOSIVE, N.O.S.
1.1D	0475	SUBSTANCES, EXPLOSIVE, N.O.S
	0463	ARTICLES, EXPLOSIVE, N.O.S.
1.1E	0464	ARTICLES, EXPLOSIVE, N.O.S.
1.1F	0465	ARTICLES, EXPLOSIVE, N.O.S
1.1G	0476	SUBSTANCES, EXPLOSIVE, N.O.S.
1.1L	0357	SUBSTANCES, EXPLOSIVE, N.O.S.
	0354	ARTICLES, EXPLOSIVE, N.O.S
1.2B	0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.2C	0466	ARTICLES, EXPLOSIVE, N.O.S.
1.2D	0467	ARTICLES, EXPLOSIVE, N.O.S.
1.2E	0468	ARTICLES, EXPLOSIVE, N.O.S
1.2F	0469	ARTICLES, EXPLOSIVE, N.O.S
1.2L	0358	SUBSTANCES, EXPLOSIVE, N.O.S.
	0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
	0355	ARTICLES, EXPLOSIVE, N.O.S.
1.3C	0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRO-DERIVATIVES, N.O.S
	0477	SUBSTANCES, EXPLOSIVE, N.O.S.
	0495	PROPELLANT, LIQUID
	0499	PROPELLANT, SOLID
	0470	ARTICLES, EXPLOSIVE, N.O.S
1.3G	0478	SUBSTANCES, EXPLOSIVE, N.O.S.
1.3L	0359	SUBSTANCES, EXPLOSIVE, N.O.S.
	0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
	0356	ARTICLES, EXPLOSIVE, N.O.S.
1.4B	0350	ARTICLES, EXPLOSIVE, N.O.S.
	0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.4C	0479	SUBSTANCES, EXPLOSIVE, N.O.S
	0501	PROPELLANT, SOLID
	0351	ARTICLES, EXPLOSIVE, N.O.S.

Classification code (see 2.2.1.1.4)	UN No.	Name of the substance or article
1.4D	0480	SUBSTANCES, EXPLOSIVE, N.O.S
	0352	ARTICLES, EXPLOSIVE, N.O.S
1.4E	0471	ARTICLES, EXPLOSIVE, N.O.S.
1.4F	0472	ARTICLES, EXPLOSIVE, N.O.S
1.4G	0485	SUBSTANCES, EXPLOSIVE, N.O.S
	0353	ARTICLES, EXPLOSIVE, N.O.S.
1.4S	0481	SUBSTANCES, EXPLOSIVE, N.O.S
	0349	ARTICLES, EXPLOSIVE, N.O.S.
	0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.5D	0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI) N.O.S
1.6N	0486	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)
	0190	SAMPLES, EXPLOSIVE other than initiating explosive ***NOTE:*** *Division and Compatibility Group shall be defined as directed by the competent authority and according to the principles in 2.2.1.1.1*

2.2.1.4 ***Glossary of names***

NOTE 1: *The descriptions in the glossary are not intended to replace the test procedures, nor to determine the hazard classification of a substance or article of Class 1. Assignment to the correct division and derivation of whether Compatibility Group S is appropriate shall be based on testing of the product in accordance with the Manual of Tests and Criteria, Part I or by analogy with similar products which have already been tested and assigned in accordance with the procedures of the Manual of Tests and Criteria.*

NOTE 2: *The figures given after the names refer to the relevant UN number (Column 1 of Table A of Chapter 3.2). For the classification code, see 2.2.1.1.3.*

AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS, UN No. 0503

Articles which contain pyrotechnic substances and are used as life-saving vehicle airbags or seat belts.

AMMUNITION, ILLUMINATING, with or without burster, expelling charge or propelling charge; UN Nos. 0171, 0254, 0297

Ammunition designed to produce a single source of intense light for lighting up an area. The term includes illuminating cartridges, grenades and projectiles; and illuminating and target identification bombs.

NOTE: *The following articles, CARTRIDGES, SIGNAL, SIGNAL DEVICES, HAND, SIGNALS, DISTRESS, FLARES, AERIAL, FLARES, SURFACE are not included in this definition. They are listed separately.*

AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge, UN No. 0247

Ammunition containing liquid or gelatinous incendiary substance. Except when the incendiary substance is an explosive per se, it also contains one or more of the following: a propelling charge with primer and igniter charge, a fuze with burster or expelling charge.

AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge, UN Nos. 0243, 0244

Ammunition containing white phosphorus as incendiary substance. It also contains one or more of the following: a propelling charge with primer and igniter charge, a fuze with burster or expelling charge.

AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge, UN Nos. 0009, 0010, 0300

Ammunition containing incendiary composition. Except when the composition is an explosive per se, it also contains one or more of the following: a propelling charge with primer and igniter charge, a fuze with burster or expelling charge.

AMMUNITION, PRACTICE, UN Nos. 0362, 0488

Ammunition without a main bursting charge, containing a burster or expelling charge. Normally it also contains a fuze and a propelling charge.

NOTE: *GRENADES, PRACTICE are not included in this definition. They are listed separately.*

AMMUNITION, PROOF UN No. 0363

Ammunition containing pyrotechnic substances, used to test the performance or strength of new ammunition, weapon components or assemblies

AMMUNITION, SMOKE, WHITE PHOSPHORUS, with burster, expelling charge or propelling charge: UN Nos. 0245, 0246

Ammunition containing white phosphorus as a smoke producing substance. It also contains one or more of the following: a propelling charge with primer and igniter charge, a fuze with burster or expelling charge. The term includes grenades, smoke

AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge: UN Nos. 0015, 0016, 0303

Ammunition containing a smoke-producing substance such as chlorosulphonic acid mixture or titanium tetrachloride, or a smoke producing pyrotechnic composition based on hexachloroethane or red phosphorus. Except when the substance is an explosive per se, the ammunition also contains one or more of the following: a propelling charge with primer and igniter charge, a fuze with burster or expelling charge. The term includes grenades, smoke.

NOTE: SIGNALS, SMOKE are not included in this definition. They are listed separately.

AMMUNITION, TEAR-PRODUCING, with burster, expelling charge or propelling charge: UN Nos. 0018, 0019, 0301

Ammunition containing a tear-producing substance. It also contains one or more of the following: a pyrotechnic substance, a propelling charge with primer and igniter charge, a fuze with burster or expelling charge.

ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES EEI): UN No. 0486

Articles containing only extremely insensitive substances which demonstrate a negligible probability of accidental initiation or propagation under normal conditions of transport, and which have passed Test Series 7

ARTICLES, PYROPHORIC, UN No. 0380

Articles which contain a pyrophoric substance (capable of spontaneous ignition when exposed to air) and an explosive substance or component. The term excludes articles containing white phosphorus

ARTICLES, PYROTECHNIC, for technical purposes: UN Nos. 0428, 0429, 0430, 0431, 0432

Articles which contain pyrotechnic substances and are used for technical purposes such as heat generation, gas generation, theatrical effects, etc.

NOTE: *The following articles: all ammunition, CARTRIDGES, SIGNAL, CUTTERS, CABLE, EXPLOSIVE; FIREWORKS, FLARES, AERIAL; FLARES, SURFACE; RELEASE DEVICES, EXPLOSIVE; RIVETS, EXPLOSIVE, SIGNAL DEVICES, HAND; SIGNALS, DISTRESS; SIGNALS, RAILWAY TRACK, EXPLOSIVES; SIGNALS, SMOKE are not included in this definition. They are listed separately.*

BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER) IN PELLETS: UN No. 0028

Substance consisting of a pelletized form of black powder.

BLACK POWDER (GUNPOWDER), granular or as meal: UN No. 0027

Substance consisting of an intimate mixture of charcoal or other carbon and either potassium nitrate or sodium nitrate, with or without sulphur.

BOMBS, WITH FLAMMABLE LIQUID, with bursting charge: UN Nos. 0399, 0400

Articles which are dropped from aircraft, consisting of a tank filled with inflammable liquid and bursting charge.

BOMBS, PHOTO-FLASH: UN No. 0038

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a charge of detonating explosive without means of initiation or with means of initiation containing two or more effective protective features.

BOMBS, PHOTO-FLASH: UN No. 0037

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a charge of detonating explosive with means of initiation not containing two or more effective protective features.

BOMBS, PHOTO-FLASH: UN Nos. 0039, 0299

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a photo flash composition.

BOMBS with bursting charge: UN Nos. 0034, 0035

Explosive articles which are dropped from aircraft, without means of initiation or with means of initiation containing two or more effective protective features.

BOMBS with bursting charge: UN Nos. 0033, 0291

Explosive articles which are dropped from aircraft, with means of initiation not containing two or more effective protective features.

BOOSTERS WITH DETONATOR: UN Nos. 0225, 0268

Articles consisting of a charge of detonating explosive with means of initiation. They are used to increase the initiating power of detonators or detonating cord.

BOOSTERS without detonator: UN Nos. 0042, 0283

Articles consisting of a charge of detonating explosive without means of initiation. They are used to increase the initiating power of detonators or detonating cord.

BURSTERS, explosive: UN No. 0043

Articles consisting of a small charge of explosive used to open projectiles or other ammunition in order to disperse their contents.

CARTRIDGES, FLASH: UN Nos. 0049, 0050

Articles consisting of a casing, a primer and flash powder, all assembled in one piece ready for firing.

CARTRIDGES FOR TOOLS, BLANK: UN No. 0014

Articles, used in tools, consisting of a closed cartridge case with a centre or rim fire primer with or without a charge of smokeless or black powder but with no projectile.

CARTRIDGES FOR WEAPONS, BLANK: UN Nos. 0326, 0413, 0327, 0338, 0014

Ammunition consisting of a closed cartridge case with a centre or rim fire primer and a charge of smokeless or black powder but no projectile. It produces a loud noise and is used for training, saluting, propelling charge, starter pistols, etc. The term includes ammunition, blank.

CARTRIDGES FOR WEAPONS, INERT PROJECTILE: UN Nos. 0328, 0413, 0339, 0012

Ammunition consisting of a projectile without bursting charge but with a propelling charge with or without a primer. The articles may include a tracer, provided that the predominant hazard is that of the propelling charge.

CARTRIDGES FOR WEAPONS with bursting charge: UN Nos. 0006, 0321, 0412

Ammunition consisting of a projectile with a bursting charge without means of initiation or with means of initiation containing two or more effective protective features; and a propelling charge with or without a primer. The term includes fixed (assembled) ammunition, semi-fixed (partially assembled) ammunition and separate loading ammunition when the components are packed together.

CARTRIDGES FOR WEAPONS with bursting charge: UN Nos. 0005, 0007, 0348

Ammunition consisting of a projectile with a bursting charge with means of initiation not containing two or more effective protective features; and a propelling charge with or without a primer. The term includes fixed (assembled) ammunition, semi-fixed (partially assembled) ammunition and separate loading ammunition when the components are packed together.

CARTRIDGES, OIL WELL: UN Nos. 0277, 0278

Articles consisting of a thin casing of fibreboard, metal or other material containing only propellant powder which projects a hardened projectile to perforate an oil well casing.

NOTE: CHARGES, SHAPED are not included in this division. They are listed separately.

CARTRIDGES, POWER DEVICE: UN Nos. 0275, 0276, 0323, 0381

Articles designed to accomplish mechanical actions. They consist of a casing with a charge of deflagrating explosive and a means of ignition. The gaseous products of the deflagration produce inflation, linear or rotary motion or activate diaphragms, valves or switches or project fastening devices or extinguishing agents.

CARTRIDGES, SIGNAL: UN Nos. 0054, 0312, 0405

Articles designed to fire coloured flares or other signals from signal pistols, etc.

CARTRIDGES, SMALL ARMS UN Nos. 0417, 0339, 0012

Ammunition consisting of a cartridge case fitted with a centre or rim fire primer and containing both a propelling charge and solid projectile. They are designed to be fired in weapons of calibre not larger than 19.1 mm. Shot gun cartridges of any calibre are included in this description.

NOTE: *CARTRIDGES, SMALL ARMS, BLANK are not included in this definition. They are listed separately. Some military small arms cartridges are not included in this definition. They are listed under CARTRIDGES FOR WEAPONS, INERT PROJECTILE*

CARTRIDGES, SMALL ARMS, BLANK UN Nos. 0014, 0327, 0338

Ammunition consisting of a closed cartridge case with a centre or rim fire primer and a charge of smokeless or black powder. The cartridge cases contain no projectiles. The cartridges are designed to be fired from weapons with a calibre of at most 19.1 mm and serve to produce a loud noise and are used for training, saluting, propelling charge, starter pistols, etc.

CASES, CARTRIDGE, EMPTY, WITH PRIMER UN Nos. 0379, 0055

Articles consisting of a cartridge case made from metal, plastics or other non-inflammable material, in which the only explosive component is the primer

CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER: UN Nos. 0447, 0446

Articles consisting of a cartridge case made partly or entirely from nitrocellulose.

CHARGES, BURSTING, PLASTICS BONDED: UN Nos. 0457, 0458, 0459, 0460

Articles consisting of a charge of detonating explosive, plastics bonded, manufactured in a specific form without a casing and without means of initiation. They are designed as components of ammunition such as warheads

CHARGES, DEMOLITION: UN No. 0048

Articles containing a charge of a detonating explosive in a casing of fibreboard, plastics, metal or other material. The articles are without means of initiation or with means of initiation containing two or more effective protective features.

NOTE: *The following articles BOMBS; MINES; PROJECTILES are not included in this definition. They are listed separately.*

CHARGES, DEPTH UN No. 0056

Articles consisting of a charge of detonating explosive contained in a drum or projectile without means of initiation or with means of initiation containing two or more effective protective features. They are designed to detonate under water

CHARGES, EXPLOSIVE, COMMERCIAL without detonator UN Nos. 0442, 0443, 0444, 0445

Articles consisting of a charge of detonating explosive without means of initiation used for explosive welding, jointing, forming and other metallurgical processes.

CHARGES, PROPELLING, FOR CANNON, UN Nos. 0242, 0279, 0414

Charges of propellant in any physical form for separate-loading ammunition for cannon.
CHARGES, PROPELLING, UN Nos. 0271, 0272, 0415, 0491

Articles consisting of a charge of a propellant charge in any physical form, with or without a casing, as a component of rocket motors or for reducing the drag of projectiles

CHARGES, SHAPED, without detonator: UN Nos. 0059, 0439, 0440, 0441

Articles consisting of a casing containing a charge of detonating explosive with a cavity lined with rigid material, without means of initiation. They are designed to produce a powerful, penetrating jet effect.

CHARGES, SHAPED, FLEXIBLE, LINEAR, UN Nos. 0237, 0288

Articles consisting of a V-shaped core of a detonating explosive clad by a flexible sheath.

CHARGES, SUPPLEMENTARY, EXPLOSIVE, UN No. 0060

Articles consisting of a small removable booster placed in the cavity of a projectile between the fuze and the bursting charge

COMPONENTS, EXPLOSIVE TRAIN, N.O.S., UN Nos. 0382, 0383, 0384, 0461

Articles containing an explosive designed to transmit detonation or deflagration within an explosive train

CONTRIVANCES, WATER ACTIVATED with burster, expelling charge or propelling charge: UN Nos. 0248, 0249

Articles whose functioning depends upon physico-chemical reaction of their contents with water

CORD, DETONATING, flexible, UN Nos. 0065, 0289

Article consisting of a core of detonating explosive enclosed in spun fabric and a plastics or other covering. The covering is not necessary if the spun fabric is self proof

CORD (FUSE) DETONATING, metal clad: UN Nos. 0102, 0290

Article consisting of a core of detonating explosive clad by a soft metal tube with or without protective covering.

CORD (FUSE) DETONATING, MILD EFFECT, metal clad, UN No. 0104

Article consisting of a core of detonating explosive clad by a soft metal tube with or without a protective covering. The quantity of explosive substance is so small that only a mild effect is manifested outside the cord.

CORD, IGNITER: UN No. 0066

Article consisting of textile yarns covered with black powder or another fast burning pyrotechnic composition and of a flexible protective covering, or it consists of a core of black powder surrounded by a flexible woven fabric. It burns progressively along its length with an external flame and is used to transmit ignition from a device to a charge or primer.

CUTTERS, CABLE, EXPLOSIVE: UN No. 0070

Articles consisting of a knife-edged device which is driven by a small charge of deflagrating explosive into an anvil

DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting, UN Nos. 0360, 0361, 0500

Non-electric detonators assembled with and activated by such means as safety fuse, shock tube, flash tube or detonating cord. They may be of instantaneous design or incorporate delay elements. Detonating relays incorporating detonating cord are included.

DETONATORS, ELECTRIC for blasting: UN Nos. 0030, 0255, 0456

Articles specially designed for the initiation of blasting explosives. These detonators may be constructed to detonate instantaneously or may contain a delay element. Electric detonators are activated by an electric current.

DETONATORS FOR AMMUNITION: UN Nos. 0073, 0364, 0365, 0366

Articles consisting of a small metal or plastics tube containing explosives such as lead azide, PETN or combinations of explosives. They are designed to start a detonation train

DETONATORS, NON-ELECTRIC for blasting: UN Nos. 0029, 0267, 0455

Articles specially designed for the initiation of blasting explosives. These detonators may be constructed to detonate instantaneously or may contain a delay element. Non-electric detonators are activated by such means as shock tube, flash tube, safety fuse, other igniferous device or flexible detonating cord. Detonating relays without detonating cord are included.

EXPLOSIVE, BLASTING, TYPE A, UN No. 0081

Substances consisting of liquid organic nitrates such as nitroglycerine or a mixture of such ingredients with one or more of the following: nitrocellulose, ammonium nitrate or other inorganic nitrates, aromatic nitro-derivatives, or combustible materials, such as wood meal and aluminium powder. They may contain inert components such as kieselguhr, and additives such as colouring agents and stabilizers. Such explosives shall be in powdery, gelatinous or elastic form. The term includes dynamite, gelatine, blasting and gelatine dynamites.

EXPLOSIVE, BLASTING, TYPE B: UN Nos. 0082, 0331

Substances consisting of

(a) a mixture of ammonium nitrate or other inorganic nitrates with an explosive such as trinitrotoluene, with or without other substances such as wood-meal and aluminium powder; or

(b) a mixture of ammonium nitrate or other inorganic nitrates with other combustible substances which are not explosive ingredients. In both cases they may contain inert components such as kieselguhr, and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine, similar liquid organic nitrates or chlorates.

EXPLOSIVE, BLASTING, TYPE C: UN No. 0083

Substances consisting of a mixture of either potassium or sodium chlorate or potassium, sodium or ammonium perchlorate with organic nitro-derivatives or combustible materials such as wood-meal or aluminium powder or a hydrocarbon. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine or similar liquid organic nitrates.

EXPLOSIVE, BLASTING, TYPE D: UN No. 0084

Substances consisting of a mixture of organic nitrated compounds and combustible materials such as hydrocarbons and aluminium powder. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine, similar liquid organic nitrates, chlorates and ammonium nitrate. The term generally includes plastic explosives.

EXPLOSIVES, BLASTING, TYPE E: UN Nos. 0241, 0332

Substances consisting of water as an essential ingredient and high proportions of ammonium nitrate or other oxidizers, some or all of which are in solution. The other constituents may include nitro-derivatives such as trinitrotoluene, hydrocarbons or aluminium powder. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. The term includes explosives, emulsion, explosives, slurry and explosives, watergel.

FIREWORKS: UN Nos. 0333, 0334, 0335, 0336, 0337

Pyrotechnic articles designed for entertainment.

FLARES, AERIAL: UN Nos. 0093, 0403, 0404, 0420, 0421

Articles containing pyrotechnic substances which are designed to be dropped from an aircraft to illuminate, identify, signal or warn.

FLARES, SURFACE: UN Nos. 0092, 0418, 0419

Articles containing pyrotechnic substances which are designed for use on the surface to illuminate, identify, signal or warn.

FLASH POWDER: UN Nos. 0094, 0305

Pyrotechnic substance which, when ignited, produces an intense light.

FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells: UN No. 0099

Articles consisting of a charge of detonating explosive contained in a casing without means of initiation. They are used to fracture the rock around a drill shaft to assist the flow of crude oil from the rock.

FUSE, IGNITER, tubular, metal clad: UN No. 0103

Article consisting of a metal tube with a core of deflagrating explosive.

FUSE, NON-DETONATING: UN No. 0101

Article consisting of cotton yarns impregnated with fine black powder (quickmatch). It burns with an external flame and is used to ignition trains for fireworks, etc.

FUSE, SAFETY: UN No. 0105

Article consisting of a core of fine grained black powder surrounded by a flexible woven fabric with one or more protective outer coverings. When ignited, it burns at a predetermined rate without any external explosive effect.

FUZES, DETONATING: UN Nos. 0106, 0107, 0257, 0367

Articles with explosive components designed to produce a detonation in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to initiate the detonation. They generally incorporate protective features.

FUZES, DETONATING with protective features: UN Nos. 0408, 0409, 0410

Articles with explosive components designed to produce a detonation in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to initiate the detonation. The detonating fuze must incorporate two or more effective protective features.

FUZES, IGNITING: UN Nos. 0316, 0317, 0368

Articles with primary explosive components designed to produce a deflagration in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to start the deflagration. They generally incorporate protective features.

GRENADES, hand or rifle, with bursting charge: UN Nos. 0284, 0285

Articles which are designed to be thrown by hand or to be projected by a rifle. They are without means of initiation or with means of initiation containing two or more effective protective features.

GRENADES, hand or rifle, with bursting charge: UN Nos. 0292, 0293

Articles which are designed to be thrown by hand or to be projected by a rifle. They are with means of initiation not containing two or more effective protective features.

GRENADES, PRACTICE, hand or rifle: UN Nos. 0110, 0372, 0318, 0452

Articles without a main bursting charge which are designed to be thrown by hand or to be projected by a rifle. They contain the priming device and may contain a spotting charge.

HEXOTONAL: UN No. 0393

Substance consisting of an intimate mixture of cyclotrimethylene-trinitramine (RDX), trinitrotoluene (TNT) and aluminium.

HEXOLITE (HEXOTOL): dry or wetted with less than 15% water, by mass: UN No. 0118

Substance consisting of an intimate mixture of cyclotrimethylene-trinitramine (RDX) and trinitrotoluene (TNT). The term includes Composition B.

IGNITERS: UN Nos. 0121, 0314, 0315, 0325, 0454

Articles containing one or more explosive substances designed to produce a deflagration in an explosive train. They may be actuated chemically, electrically or mechanically.

NOTE: *The following articles: CORD, IGNITER; FUSE, IGNITER; FUSE, NON-DETONATING; FUZES, IGNITING; LIGHTERS, FUSE; PRIMERS, CAP TYPE; PRIMERS, TUBULAR are not included in this definition. They are listed separately.*

JET PERFORATING GUNS, CHARGED, oil well, without detonator: UN Nos. 0124, 0494

Articles consisting of a steel tube or metallic strip, into which are inserted shaped charges connected by detonating cord, without means of initiation.

LIGHTERS, FUSE: UN No. 0131

Articles of various design actuated by friction, percussion or electricity and used to ignite safety fuse.

MINES with bursting charge: UN Nos. 0137, 0138

Articles consisting normally of metal or composition receptacles filled with a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be operated by the passage of ships, vehicles or personnel. The term includes "Bangalore torpedoes".

MINES with bursting charge: UN Nos. 0136, 0294

Articles consisting normally of metal or composition receptacles filled with a detonating explosive, with means of initiation not containing two or more effective protective features. They are designed to be operated by the passage of ships, vehicles or personnel. The term includes "Bangalore torpedoes".

OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass: UN No. 0266

Substance consisting of an intimate mixture of cyclotetramethylene-tetranitramine (HMX) and trinitrotoluene (TNT).

OCTONAL: UN No. 0496

Substance consisting of an intimate mixture of cyclotetramethylenetetranitramine (HMX), trinitrotoluene (TNT) and aluminium.

PENTOLITE, dry or wetted with less than 15% water, by mass: UN No. 0151

Substance consisting of an intimate mixture of pentaerythrite tetranitrate (PETN) and trinitrotoluene (TNT).

POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass; POWDER CAKE (POWDER PASTE), WETTED with not less than 25% water, by mass: UN Nos. 0433, 0159

Substance consisting of nitrocellulose impregnated with not more than 60% of nitroglycerine or other liquid organic nitrates or a mixture of these.

POWDER, SMOKELESS. UN Nos. 0160, 0161, 0509

Substance based on nitrocellulose used as propellant. The term includes propellants with a single base (nitrocellulose (NC) alone), those with a double base (such as NC and nitroglycerine (NGl)) and those with a triple base (such as NC/NGl/nitroguanidine).

NOTE: *Cast, pressed or bag-charges of smokeless powder are listed under CHARGES, PROPELLING or CHARGES, PROPELLING, FOR CANON.*

PRIMERS, CAP TYPE: UN Nos. 0044, 0377, 0378

Articles consisting of a metal or plastics cap containing a small amount of primary explosive mixture that is readily ignited by impact. They serve as igniting elements in small arms cartridges and in percussion primers for propelling charges.

PRIMERS, TUBULAR. UN Nos. 0319, 0320, 0376

Articles consisting of a primer for ignition and an auxiliary charge of deflagrating explosive such as black powder used to ignite the propelling charge in a cartridge case for cannon, etc.

PROJECTILES, inert with tracer. UN Nos. 0345, 0424, 0425

Articles such as a shell or bullet, which are projected from a cannon or other gun, rifle or other small arm.

PROJECTILES with burster or expelling charge: UN Nos. 0346, 0347

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are without means of initiation or with means of initiation containing two or more effective protective features. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with burster or expelling charge. UN Nos. 0426, 0427

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are with means of initiation not containing two or more effective protective features. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with burster or expelling charge. UN Nos. 0434, 0435

Articles such as a shell or bullet, which are projected from a cannon or other gun, rifle or other small arm. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with bursting charge. UN Nos. 0168, 0169, 0344

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are without means of initiation or with means of initiation containing two or more effective protective features.

PROJECTILES with bursting charge: UN Nos. 0167, 0324

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are with means of initiation not containing two or more effective protective features.

PROPELLANT, LIQUID: UN Nos. 0495, 0497

Substance consisting of a deflagrating liquid explosive, used for propulsion.

PROPELLANT, SOLID: UN Nos. 0498, 0499, 0501

Substance consisting of a deflagrating solid explosive, used for propulsion.

RELEASE DEVICES, EXPLOSIVE: UN No. 0173

Articles consisting of a small charge of explosive with means of initiation and rods or links. They sever the rods or links to release equipment quickly.

RIVETS, EXPLOSIVE: UN No. 0174

Articles consisting of a small charge of explosive inside a metallic rivet.

ROCKET MOTORS: UN Nos. 0186, 0280, 0281

Articles consisting of a charge of explosive, generally a solid propellant, contained in a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKET MOTORS, LIQUID FUELLED: UN Nos. 0395, 0396

Articles consisting of a liquid fuel within a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge: UN Nos. 0322, 0250

Articles consisting of a hypergolic fuel contained in a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKETS, LINE THROWING: UN Nos. 0238, 0240, 0453

Articles consisting of a rocket motor which is designed to extend a line.

ROCKETS, LIQUID FUELLED with bursting charge: UN Nos. 0397, 0398

Articles consisting of a liquid fuel within a cylinder fitted with one or more nozzles and fitted with a warhead. The term includes guided missiles.

ROCKETS with bursting charge: UN Nos. 0181, 0182

Articles consisting of a rocket motor and a warhead without means of initiation or with means of initiation containing two or more effective protective features. The term includes guided missiles.

ROCKETS with bursting charge: UN Nos. 0180, 0295

Articles consisting of a rocket motor and a warhead with means of initiation not containing two or more effective protective features. The term includes guided missiles.

ROCKETS with expelling charge: UN Nos. 0436, 0437, 0438

Articles consisting of a rocket motor and a charge to expel the payload from a rocket head. The term includes guided missiles.

ROCKETS with inert head: UN Nos. 0183, 0502

Articles consisting of a rocket motor and an inert head. The term includes guided missiles.

SAMPLES, EXPLOSIVE, other than initiating explosive UN No. 0190

New or existing explosive substances or articles, not yet assigned to a name in Table A of Chapter 3.2 and carried in conformity with the instructions of the competent authority and generally in small quantities, inter alia, for the purposes of testing, classification, research and development, or quality control, or as commercial samples.

NOTE: *Explosive substances or articles already assigned to another name in Table A of Chapter 3.2 are not included in this definition.*

SIGNAL DEVICES, HAND: UN Nos. 0191, 0373

Portable articles containing pyrotechnic substances which produce visual signals or warnings. The term includes small surface flares such as highway or railway flares and small distress flares.

SIGNALS, DISTRESS, ship: UN Nos. 0194, 0195, 0505, 0506

Articles containing pyrotechnic substances designed to produce signals by means of sound, flame or smoke or any combination thereof.

SIGNALS, RAILWAY TRACK, EXPLOSIVE: UN Nos. 0192, 0193, 0492, 0493

Articles containing a pyrotechnic substance which explodes with a loud report when the article is crushed. They are designed to be placed on a rail.

SIGNALS, SMOKE: UN Nos. 0196, 0197, 0313, 0487, 0507

Articles containing pyrotechnic substances which emit smoke. In addition they may contain devices for emitting audible signals.

SOUNDING DEVICES, EXPLOSIVE: UN Nos. 0374, 0375

Articles consisting of a charge of detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are dropped from ships and function when they reach a predetermined depth or the sea bed.

SOUNDING DEVICES, EXPLOSIVE: UN Nos. 0204, 0296

Articles consisting of a charge of detonating explosive with means of initiation not containing two or more effective protective features. They are dropped from ships and function when they reach a predetermined depth or the sea bed.

SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (Substances, EVI, N.O.S.: UN No. 0482

Substances presenting a mass explosion hazard but which are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport, and which have passed Test Series 5.

TORPEDOES, LIQUID FUELLED with inert head, UN No. 0450

Articles consisting of a liquid explosive system to propel the torpedo through the water, with an inert head.

TORPEDOES, LIQUID FUELLED with or without bursting charge, UN No. 0449

Articles consisting of either a liquid explosive system to propel the torpedo through the water, with or without a warhead; or a liquid non-explosive system to propel the torpedo through the water, with a warhead.

TORPEDOES with bursting charge, UN No. 0451

Articles consisting of a non-explosive system to propel the torpedo through the water, and a warhead without means of initiation or with means of initiation containing two or more effective protective features.

TORPEDOES with bursting charge, UN No. 0329

Articles consisting of an explosive system to propel the torpedo through the water, and a warhead without means of initiation or with means of initiation containing two or more effective protective features.

TORPEDOES with bursting charge, UN No. 0330

Articles consisting of an explosive or non-explosive system to propel the torpedo through the water, and a warhead with means of initiation not containing two or more effective protective features.

TRACERS FOR AMMUNITION, UN Nos. 0212, 0306

Sealed articles containing pyrotechnic substances, designed to reveal the trajectory of a projectile.

TRITONAL, UN No. 0390

Substance consisting of trinitrotoluene (TNT) mixed with aluminium.

WARHEADS, ROCKET with burster or expelling charge, UN No. 0370

Articles consisting of an inert payload and a small charge of detonating or deflagrating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a rocket motor to scatter inert material. The term includes warheads for guided missiles.

WARHEADS, ROCKET with burster or expelling charge, UN No. 0371

Articles consisting of an inert payload and a small charge of detonating or deflagrating explosive, with means of initiation not containing two or more effective protective features. They are designed to be fitted to a rocket motor to scatter inert material. The term includes warheads for guided missiles.

WARHEADS, ROCKET with bursting charge, UN Nos. 0286, 0287

Articles consisting of a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a rocket. The term includes warheads for guided missiles.

WARHEADS, ROCKET with bursting charge, UN No. 0369

Articles consisting of a detonating explosive, with means of initiation not containing two or more effective protective features. They are designed to be fitted to a rocket. The term includes warheads for guided missiles.

WARHEADS, TORPEDO with bursting charge: UN No. 0221

Articles consisting of a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a torpedo.

2.2.2 Class 2 Gases

2.2.2.1 ***Criteria***

2.2.2.1.1 The heading of Class 2 covers pure gases, mixtures of gases, mixtures of one or more gases with one or more other substances and articles containing such substances.

A gas is a substance which:

(a) at 50 °C has a vapour pressure greater than 300 kPa (3 bar); or

(b) is completely gaseous at 20 °C at the standard pressure of 101.3 kPa.

NOTE 1: *UN No. 1052 HYDROGEN FLUORIDE, ANHYDROUS is nevertheless classified in Class 8.*

NOTE 2: *A pure gas may contain other components deriving from its production process or added to preserve the stability of the product, provided that the level of these components does not change its classification or its conditions of carriage, such as filling ratio, filling pressure, test pressure.*

NOTE 3: *N.O.S. entries in 2.2.2.3 may cover pure gases as well as mixtures.*

2.2.2.1.2 The substances and articles of Class 2 are subdivided as follows:

1. *Compressed gas*: a gas which, when packaged under pressure for carriage is entirely gaseous at -50 °C; this category includes all gases with a critical temperature less than or equal to -50 °C.

2 *Liquefied gas*: a gas which, when packaged under pressure for carriage is partially liquid at temperatures above -50 °C. A distinction is made between:

High pressure liquefied gas: a gas with a critical temperature above -50 °C and equal to or below +65 °C; and

Low pressure liquefied gas: a gas with a critical temperature above +65 °C;

3 *Refrigerated liquefied gas*: a gas which when packaged for carriage is made partially liquid because of its low temperature;

4. *Dissolved gas*: a gas which when packaged under pressure for carriage is dissolved in a liquid phase solvent;

5. Aerosol dispensers and receptacles, small, containing gas (gas cartridges);

6 Other articles containing gas under pressure;

7 Non-pressurized gases subject to special requirements (gas samples);

8 Chemicals under pressure: liquids, pastes or powders, pressurized with a propellant that meets the definition of a compressed or liquefied gas and mixtures thereof

2.2.2.1.3 Substances and articles (except aerosols and chemicals under pressure) of Class 2 are assigned to one of the following groups according to their hazardous properties, as follows:

A asphyxiant;

O oxidizing;

F flammable;

T toxic;

TF toxic, flammable;

TC toxic, corrosive;

TO toxic, oxidizing;

TFC toxic, flammable, corrosive;

TOC toxic, oxidizing, corrosive.

For gases and gas mixtures presenting hazardous properties associated with more than one group according to the criteria, the groups designated by letter T take precedence over all other groups. The groups designated by letter F take precedence over the groups designated by letters A or O.

NOTE 1: *In the UN Model Regulations, the IMDG Code and the RID Technical Instructions, gases are assigned to one of the following three divisions, based on the primary hazard:*

Division 2.1:	*flammable gases (corresponding to the groups designated by the capital letter F);*
Division 2.2:	*non-flammable, non-toxic gases (corresponding to the groups designated by the capital letters A or O);*
Division 2.3:	*toxic gases (corresponding to the groups designated by the capital letter T i.e. T, TF, TC, TO, TFC and TOC).*

NOTE 2: *Receptacles, small containing gas (UN No. 2037) shall be assigned to the groups A to TOC according to the hazard of the contents. For aerosols (UN No. 1950), see 2.2.2.1.6. For chemicals under pressure (UN Nos. 3500 to 3505), see 2.2.2.1.7.*

NOTE 3: *Corrosive gases are considered to be toxic, and are therefore assigned to the group TC, TFC or TOC.*

2.2.2.1.4 If a mixture of Class 2 mentioned by name in Table A of Chapter 3.2 meets different criteria as mentioned in 2.2.2.1.2 and 2.2.2.1.5, this mixture shall be classified according to the criteria and assigned to an appropriate N.O.S. entry.

2.2.2.1.5 Substances and articles (except aerosols and chemicals under pressure) of Class 2 which are not mentioned by name in Table A of Chapter 3.2 shall be classified under a collective entry listed in 2.2.2.3 in accordance with 2.2.2.1.2 and 2.2.2.1.3. The following criteria shall apply:

Asphyxiant gases

Gases which are non-oxidizing, non-flammable and non-toxic and which dilute or replace oxygen normally in the atmosphere.

Flammable gases

Gases which at 20 °C and a standard pressure of 101.3 kPa:

(a) are ignitable when in a mixture of 13% or less by volume with air, or

(b) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit

Flammability shall be determined by tests or by calculation or, in accordance with methods adopted by ISO (see ISO 10156:2010).

Where insufficient data are available to use these methods, tests by a comparable method recognized by the competent authority of the country of origin may be used.

If the country of origin is not a Contracting Party to ADR these methods shall be recognized by the competent authority of the first country Contracting Party to ADR reached by the consignment.

Oxidizing gases

Gases which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does. These are pure gases or gas mixtures with an oxidizing power greater than 23.5% as determined by a method specified in ISO 10156:2010.

Toxic gases

NOTE: *Gases meeting the criteria for toxicity in part or completely owing to their corrosivity are to be classified as toxic. See also the criteria under the heading "Corrosive gases" for a possible subsidiary corrosivity risk.*

Gases which:

(a) are known to be so toxic or corrosive to humans as to pose a hazard to health; or

(b) are presumed to be toxic or corrosive to humans because they have a LC_{50} value for acute toxicity equal to or less than 5 000 ml/m³ (ppm) when tested in accordance with 2.2.61.1.

In the case of gas mixtures (including vapours of substances from other classes) the following formula may be used:

$$LC_{50}\ Toxic\ (mixture) = \frac{1}{\sum_{i=1}^{n} \frac{f_i}{T_i}}$$

where f_i = mole fraction of the ith component substance of the mixture;

T_i = toxicity index of the ith component substance of the mixture.

The T_i equals the LC_{50} value as found in packing instruction P200 of 4.1.4.1.

When no LC_{50} value is listed in packing instruction P200 of 4.1.4.1, a LC_{50} value available in scientific literature shall be used.

When the LC_{50} value is unknown, the toxicity index is determined by using the lowest LC_{50} value of substances of similar physiological and chemical effects, or through testing if this is the only practical possibility.

Corrosive gases

Gases or gas mixtures meeting the criteria for toxicity completely owing to their corrosivity are to be classified as toxic with a subsidiary corrosivity risk.

A gas mixture that is considered to be toxic due to the combined effects of corrosivity and toxicity has a subsidiary risk of corrosivity when the mixture is known by human experience to be destructive to the skin, eyes or mucous membranes or when the LC_{50} value of the corrosive components of the mixture is equal to or less than 5 000 ml/m³ (ppm) when the LC_{50} is calculated by the formula:

$$LC_{50}\ (\text{Corrosive mixture}) = \frac{1}{\sum_{i=1} \frac{f_{ci}}{T_{ci}}}$$

where f_{ci} – mole fraction of the ith corrosive component substance of the mixture;

T_{ci} – toxicity index of the ith corrosive component substance of the mixture.

The T_{ci} equals the LC_{50} value as found in packing instruction P200 of 4.1.4.1.

When no LC_{50} value is listed in packing instruction P200 of 4.1.4.1, a LC_{50} value available in scientific literature shall be used.

When the LC_{50} value is unknown the toxicity index is determined by using the lowest LC_{50} value of substances of similar physiological and chemical effects, or through testing if this is the only practical possibility.

2.2.2.1.6 *Aerosols*

Aerosols (UN No. 1950) are assigned to one of the following groups according to their hazardous properties, as follows:

A	asphyxiant;
O	oxidizing;
F	flammable;
T	toxic;
C	corrosive;
CO	corrosive, oxidizing;
FC	flammable, corrosive;
TF	toxic, flammable;
TC	toxic, corrosive;
TO	toxic, oxidizing;

TFC: toxic, flammable, corrosive;

TOC: toxic, oxidizing, corrosive.

The classification depends on the nature of the contents of the aerosol dispenser.

NOTE: *Gases which meet the definitions of toxic gases according to 2.2.2.1.5 and gases identified as "Considered as poisonous" in table note c of Table 2 of packing instruction P200 in 4.1.4.1 shall not be used as a propellant in an aerosol dispenser. Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity shall not be accepted for carriage (see also 2.2.1.1.2).*

The following criteria shall apply:

(a) Assignment to group A shall apply when the contents do not meet the criteria for any other group according to sub-paragraphs (b) to (f) below;

(b) Assignment to group O shall apply when the aerosol contains an oxidizing gas according to 2.2.2.1.5;

(c) Assignment to group F shall apply if the contents include 85% by mass or more flammable components and the chemical heat of combustion is 30 kJ/g or more.

It shall not apply if the contents contain 13% by mass or less flammable components and the heat of combustion is less than 20 kJ/g.

Otherwise the aerosol shall be tested for flammability in accordance with the tests described in the *Manual of Tests and Criteria*, Part III, section 31. Extremely flammable and flammable aerosols shall be assigned to group F.

NOTE: *Flammable components are flammable liquids, flammable solids or flammable gases and gas mixtures as defined in Notes 1 to 4 of sub-section 31.1.4 of Part III of the Manual of Tests and Criteria. This designation does not cover pyrophoric, self-heating or water-reactive substances. The chemical heat of combustion shall be determined by use of the following methods: ASTM D 240, ISO/FDIS 13943:1999 (E/F) 86.1 to 86.3 or NFPA 30B.*

(d) Assignment to group T shall apply when the contents, other than the propellant of aerosol dispensers to be ejected, are classified as Class 6.1, packing groups II or III;

(e) Assignment to group C shall apply when the contents, other than the propellant of aerosol dispensers to be ejected, meet the criteria for Class 8, packing groups II or III;

(f) When the criteria for more than one group amongst groups O, F, T, and C are met, assignment to groups CO, FC, TF, TC, TO, TFC or TOC shall apply, as relevant.

2.2.2.1.7 *Chemicals under pressure*

Chemicals under pressure (UN Nos. 3500 to 3505) are assigned to one of the following groups according to their hazardous properties, as follows:

A: asphyxiant;

F: flammable;

T: toxic;

C: corrosive;

FC: flammable, corrosive.

TF toxic, flammable.

The classification depends on the hazard characteristics of the components in the different states:

The propellant;

The liquid, or

The solid.

NOTE 1: Gases which meet the definition of toxic gases or of oxidizing gases according to 2.2.2.1.5 or gases identified as "Considered as pyrophoric" by table note c of Table 2 of packing instruction P200 in 4.1.4.1, shall not be used as a propellant in chemicals under pressure.

NOTE 2: Chemicals under pressure with contents meeting the criteria for packing group I for toxicity or corrosivity or with contents meeting both the criteria for packing group II or III for toxicity and for packing group II or III for corrosivity shall not be accepted for carriage under these UN numbers.

NOTE 3: Chemicals under pressure with components meeting the properties of Class 1, liquid desensitized explosives of Class 3, self-reactive substances and solid desensitized explosives of Class 4.1; Class 4.2; Class 4.3, Class 5.1, Class 5.2; Class 6.2, or Class 7, shall not be used for carriage under these UN numbers.

NOTE 4: A chemical under pressure in an aerosol dispenser shall be carried under UN No. 1950.

The following criteria shall apply:

(a) Assignment to group A shall apply when the contents do not meet the criteria for one other group according to sub-paragraphs (b) to (e) below.

(b) Assignment to group F shall apply if one of the components, which can be a pure substance or a mixture, needs to be classified as flammable. Flammable components are flammable liquids and liquid mixtures, flammable solids and solid mixtures or flammable gases and gas mixtures meeting the following criteria:

(i) A flammable liquid is a liquid having a flashpoint of not more than 93 °C;

(ii) A flammable solid is a solid which meets the criteria in 2.2.41.1;

(iii) A flammable gas is a gas which meets the criteria in 2.2.2.1.8.

(c) Assignment to group T shall apply when the contents, other than the propellant, are classified as dangerous goods of Class 6.1, packing groups II or III;

(d) Assignment to group C shall apply when the contents, other than the propellant, are classified as dangerous goods of Class 8, packing groups II or III;

(e) When the criteria for two groups amongst groups F, T and C are met, assignment to groups FC or TC shall apply as relevant.

2.2.2.2 *Gases not accepted for carriage*

2.2.2.2.1 Chemically unstable substances of Class 2 shall not be accepted for carriage, unless the necessary steps have been taken to prevent all possibility of a dangerous reaction e.g. decomposition, dismutation or polymerisation under normal conditions during transport. To

this end particular care shall be taken to ensure that receptacles and tanks do not contain any substances liable to promote these reactions.

2.2.2.2.2 The following substances and mixtures shall not be accepted for carriage:

UN No. 2186 HYDROGEN CHLORIDE, REFRIGERATED LIQUID;

UN No. 2421 NITROGEN TRIOXIDE;

- UN No. 2455 METHYL NITRITE;
- Refrigerated liquefied gases which cannot be assigned to classification codes 3A, 3O or 3F;
- Dissolved gases which cannot be classified under UN Nos. 1001, 2073 or 3318;
- Aerosols where gases which are toxic according to 2.2.2.1.5 or pyrophoric according to packing instruction P200 in 4.1.4.1 are used as propellants;
- Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity (see 2.2.61 and 2.2.8);
- Receptacles, small, containing gases which are very toxic (LC_{50} lower than 200 ppm) or pyrophoric according to packing instruction P200 in 4.1.4.1.

2.2.2.3 *List of collective entries*

Compressed gases		
Classification code	UN No.	Name of the substance or article
1A	1956	COMPRESSED GAS, N.O.S.
1O	3156	COMPRESSED GAS, OXIDIZING, N.O.S.
1F	1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.
	1954	COMPRESSED GAS, FLAMMABLE, N.O.S.
1T	1955	COMPRESSED GAS, TOXIC, N.O.S.
1TF	1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.
1TC	3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.
1TO	3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.
1TFC	3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
1TOC	3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.

Liquefied gases		
Classification code	UN No.	Name of the substance or article
2A	1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air
	1078	REFRIGERANT GAS, N.O.S.
		such as mixtures of gases, indicated by the letter R ..., which are:
		Mixture F1, have a vapour pressure at 70 °C not exceeding 1.9 MPa (19 bar) and a density at 50 °C not lower than that of dichlorotrifluoroethane (1.30 kg/l);
		Mixture F2, have a vapour pressure at 70 °C not exceeding 1.9 MPa (19 bar) and a density at 50 °C not lower than that of dichlorodifluoromethane (1.21 kg/l);
		Mixture F3, have a vapour pressure at 70 °C not exceeding 3 MPa (30 bar) and a density at 50 °C not lower than that of chlorodifluoromethane (1.09 kg/l).
		NOTE: Trichlorofluoromethane (Refrigerant R 11), 1,1,2-trichloro-1,2,2-trifluoroethane (Refrigerant R 113), 1,1,1-trichloro-2,2,2-trifluoroethane (Refrigerant R 113a), 1-chloro-1,2,2-trifluoroethane (Refrigerant R 133) and 1-chloro-1,1,2-trifluoroethane (Refrigerant R 133b) are not substances of class 2. They were however, taken into consideration of mixtures F1 to F3.
	1968	INSECTICIDE GAS, N.O.S.
	1060	LIQUEFIED GAS, N.O.S.
2O	3157	LIQUEFIED GAS, OXIDIZING, N.O.S.
2F	1010	BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l
		NOTE: Butadienes, stabilized, not otherwise classified under UN No. 1010, see Table A of Chapter 3.2.
	1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED
		such as mixtures of methylacetylene and propadiene with hydrocarbons, which are:
		Mixture P1, contain not more than 63% methylacetylene and propadiene by volume and not more than 24% propane and propylene by volume, the percentage of C_4-saturated hydrocarbons being not less than 14% by volume; and as
		Mixture P2, contain not more than 48% methylacetylene and propadiene by volume and not more than 50% propane and propylene by volume, the percentage of C_4-saturated hydrocarbons being not less than 2% by volume,
		as well as mixtures of propadiene with 1 to 4% methylacetylene.

Liquefied gases *(cont'd)*		
Classification code	**UN No.**	**Name of the substance or article**
2 F *(cont'd)*	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S such as mixtures, which are: Mixture A, have a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l; Mixture A01, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.516 kg/l; Mixture A02, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.505 kg/l; Mixture A0, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a density at 50 °C not lower than 0.495 kg/l; Mixture A1, have a vapour pressure at 70 °C not exceeding 2.1 MPa (21 bar) and a density at 50 °C not lower than 0.485 kg/l; Mixture B1, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.474 kg/l; Mixture B2, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.463 kg/l; Mixture B, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a density at 50 °C not lower than 0.450 kg/l; Mixture C, have a vapour pressure at 70 °C not exceeding 3.1 MPa (31 bar) and a relative density at 50 °C not lower than 0.440 kg/l; *NOTE 1: In the case of the foregoing mixtures, the use of the following names customary in the trade is permitted for describing these substances: for mixtures A, A01, A02 and A0, BUTANE, for mixture C, PROPANE* *NOTE 2: UN No. 1075 PETROLEUM GASES, LIQUEFIED may be used as an alternative entry for UN No. 1965 HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. for carriage prior to or following maritime or inland carriage.*
	3354	INSECTICIDE GAS, FLAMMABLE, N.O.S
	3161	LIQUEFIED GAS, FLAMMABLE, N.O.S
2 T	1967	INSECTICIDE GAS, TOXIC, N.O.S
	3162	LIQUEFIED GAS, TOXIC, N.O.S
2 TF	3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S
	3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.
2 TC	3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.
2 TO	3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S
2 TFC	3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S
2 TOC	3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S

Refrigerated liquefied gases		
Classification code	**UN No.**	**Name of the substance or article**
3 A	3158	GAS, REFRIGERATED LIQUID, N.O.S
3 O	3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.
3 F	3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.

Dissolved gases		
Classification code	**UN No.**	**Name of the substance or article**
4		Only substances listed in Table A of Chapter 3.2 are to be accepted for carriage.

Aerosols and receptacles, small, containing gas

Classification code	UN No.	Name of the substance or article
5	1950	AEROSOLS
	2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable

Other articles containing gas under pressure

Classification code	UN No.	Name of the substance or article
6A	2857	REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)
	3164	ARTICLES, PRESSURIZED, PNEUMATIC (containing non-flammable gas) or
	3164	ARTICLES, PRESSURIZED, HYDRAULIC (containing non-flammable gas)
6F	3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or
	3150	HYDROCARBON GAS REFILLS FOR SMALL DEVICES, with release device
	3478	FUEL CELL CARTRIDGES, containing liquefied flammable gas or
	3478	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing liquefied flammable gas or
	3478	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas
	3479	FUEL CELL CARTRIDGES, containing hydrogen in metal hydride or
	3479	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing hydrogen in metal hydride or
	3479	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride

Gas samples

Classification code	UN No.	Name of the substance or article
7F	3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid
7T	3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid
7TF	3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid

Chemicals under pressure

Classification code	UN	Name of the substance or article
8A	3500	CHEMICAL UNDER PRESSURE, N.O.S.
8F	3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
8T	3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.
8C	3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.
8TF	3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.
8FC	3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.

2.2.3 Class 3 Flammable liquids

2.2.3.1 ***Criteria***

2.2.3.1.1 The heading of Class 3 covers substances and articles containing substances of this Class which:

- are liquids according to subparagraph (a) of the definition for 'liquid' in 1.2.1;
- have at 50 °C a vapour pressure of not more than 300 kPa (3 bar) and are not completely gaseous at 20 °C and at standard pressure of 101.3 kPa; and
- have a flash-point of not more than 60 °C (see 2.3.3.1 for the relevant test).

The heading of Class 3 also covers liquid substances and molten solid substances with a flash-point of more than 60°C and which are carried or handed over for carriage whilst heated at temperatures equal to or higher than their flash-point. These substances are assigned to UN No. 3256.

The heading of Class 3 also covers liquid desensitized explosives. Liquid desensitized explosives are explosive substances which are dissolved or suspended in water or other liquid substances, to form an homogeneous liquid mixture to suppress their explosive properties. Such entries in Table A of Chapter 3.2 are UN Nos. 1204, 2059, 3064, 3343, 3357 and 3379.

NOTE 1: *Substances having a flash-point above 35 °C, which do not sustain combustion according to the criteria of sub-section 32.2.5 of Part III of the Manual of Tests and Criteria, are not substances of Class 3. If, however, these substances are handed over for carriage and carried whilst heated at temperatures equal to or higher than their flash-point they are substances of Class 3.*

NOTE 2: *By derogation from paragraph 2.2.3.1.1 above, diesel fuel, gasoil, heating oil (light) including synthetically manufactured products having a flash-point above 60 °C and not more than 100 °C shall be deemed substances of Class 3, UN No. 1202.*

NOTE 3: *Liquids which are highly toxic by inhalation, having a flash-point below 23 °C and toxic substances, having a flash-point of 23 °C or above are substances of Class 6.1 (see 2.2.61.1).*

NOTE 4: *Flammable liquid substances and preparations used as pesticides, which are highly toxic, toxic or slightly toxic and have a flash point of 23 °C or above are substances of Class 6.1 (see 2.2.61.1).*

2.2.3.1.2 The substances and articles of Class 3 are subdivided as follows:

F Flammable liquids, without subsidiary risk and articles containing such substances:

- F1 Flammable liquids having a flash-point of or below 60 °C;
- F2 Flammable liquids having a flash-point above 60 °C which are carried or handed over for carriage at or above their flash-point (elevated temperature substances);
- F3 Articles containing flammable liquids.

FT Flammable liquids, toxic:

- FT1 Flammable liquids, toxic;
- FT2 Pesticides;

3C Flammable liquids, corrosive;

FTC Flammable liquids, toxic, corrosive;

D Liquid desensitized explosives.

2.2.3.1.3 Substances and articles classified in Class 3 are listed in Table A of Chapter 3.2. Substances not mentioned by name in Table A of Chapter 3.2 shall be assigned to the relevant entry of 2.2.3.3 and the relevant packing group in accordance with the provisions of this section. Flammable liquids shall be assigned to one of the following packing groups according to the degree of danger they present for carriage:

Packing group	Flash point (closed cup)	Initial boiling point
I	--	≤ 35°C
II[1]	< 23°C	> 35°C
III[1]	≥ 23°C ≤ 60°C	> 35°C

[1] See also 2.2.3.1.6.

For a liquid with (a) subsidiary risk(s), the packing group determined in accordance with the table above and the packing group based on the severity of the subsidiary risk(s) shall be considered; the classification and packing group shall then be determined in accordance with the table of precedence of hazards in 2...3.10.

2.2.3.1.4 Liquid or viscous mixtures and preparations, including those containing no more than 20% nitrocellulose with a nitrogen content not exceeding 12.6% (by dry mass), shall be assigned to packing group III only if the following requirements are met:

(a) the height of the separated layer of solvent is less than 3% of the total height of the sample in the solvent-separation test (see Manual of Tests and Criteria, Part III, subsection 32.5.1), and

(b) the viscosity[2] and flash point are in accordance with the following table:

Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm²/s at 23°C	Flow time t in accordance with ISO 2431:1993		Flash point in °C
	in s	Jet diameter in mm	
20 < ν ≤ 80	20 < t ≤ 60	4	above 17
80 < ν ≤ 135	60 < t ≤ 100	4	above 10
135 < ν ≤ 220	20 < t ≤ 32	6	above 5
220 < ν ≤ 300	32 < t ≤ 44	6	above -1
300 < ν ≤ 700	44 < t ≤ 100	6	above -5
700 < ν	100 < t	6	5 and below

[2] *Viscosity determination: When the substance concerned is non-Newtonian, or when a flow cup method of viscosity determination is otherwise unsuitable, a suitable shear rate viscometer shall be used to determine the dynamic viscosity coefficient of the substance at 23°C at a number of shear rates. The values obtained are plotted against shear rate and extrapolated to zero shear rate. The dynamic viscosity thus obtained, divided by the density, gives the apparent kinematic viscosity at near-zero shear rate.*

NOTE: *Mixtures containing more than 20% but not more than 55% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass are substances assigned to UN No. 2059.*

Mixtures having a flash-point below 23 °C and containing:

- *more than 55% nitrocellulose, whatever their nitrogen content, or*

not more than 55% nitrocellulose with a nitrogen content above 12.6% by dry mass

are substances of Class 1 (UN Nos. 0340 or 0342) or of Class 4.1 (UN Nos. 2555, 2556 or 2557).

2.2.3.1.5 Non-toxic, non-corrosive and non-environmentally hazardous solutions and homogeneous mixtures having a flash-point of 23 °C or above (viscous substances, such as paints or varnishes, excluding substances containing more than 20% nitrocellulose) packed in receptacles of less than 450 litres capacity, are not subject to ADR if, in the solvent separation test (see Manual of Tests and Criteria, Part III, sub-section 32.5.1), the height of the separated layer of solvent is less than 3% of the total height, and if the substances at 23 °C have, in the flow cup conforming to ISO 2431:1993 having a jet 6 mm in diameter, a flow time of:

(a) not less than 60 seconds; or

(b) not less than 40 seconds and contain not more than 60% of substances of Class 3.

2.2.3.1.6 If substances of Class 3, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: *For the classification of solutions and mixtures (such as preparations and wastes) see also 2.1.3.*

2.2.3.1.7 On the basis of the test procedures in accordance with 2.3.3.1 and 2.3.4, and the criteria set out in 2.2.3.1.3, it may also be determined whether the nature of a solution or a mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the provisions for this Class (see also 2.1.3).

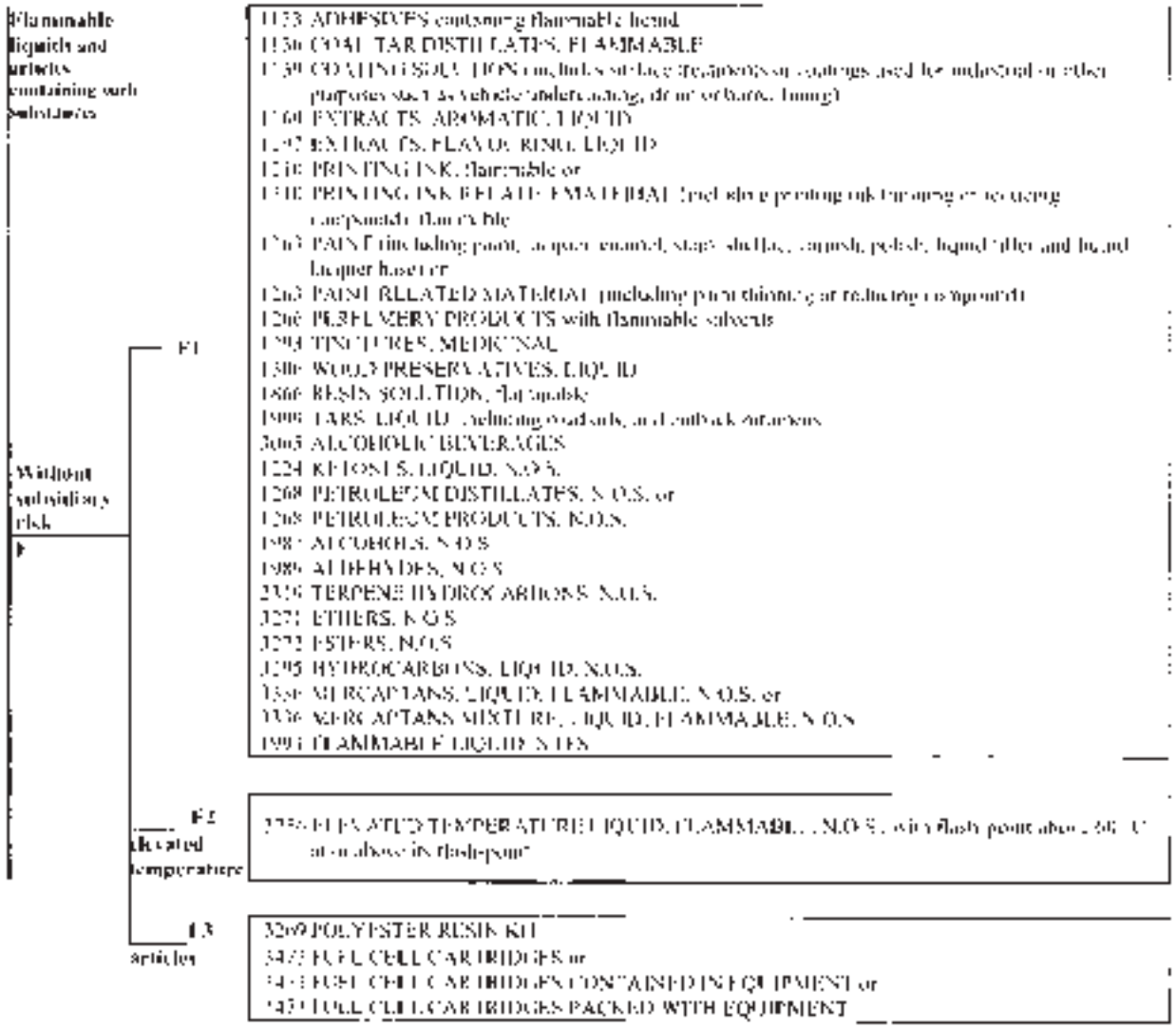
2.2.3.2 ***Substances not accepted for carriage***

2.2.3.2.1 Substances of Class 3 which are liable to form peroxides easily (as happens with ethers or with certain heterocyclic oxygenated substances) shall not be accepted for carriage if their peroxide content, calculated as hydrogen peroxide (H_2O_2), exceeds 0.3%. The peroxide content shall be determined as indicated in 2.3.3.3.

2.2.3.2.2 The chemically unstable substances of Class 3 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall be ensured in particular that receptacles and tanks do not contain any substance liable to promote these reactions.

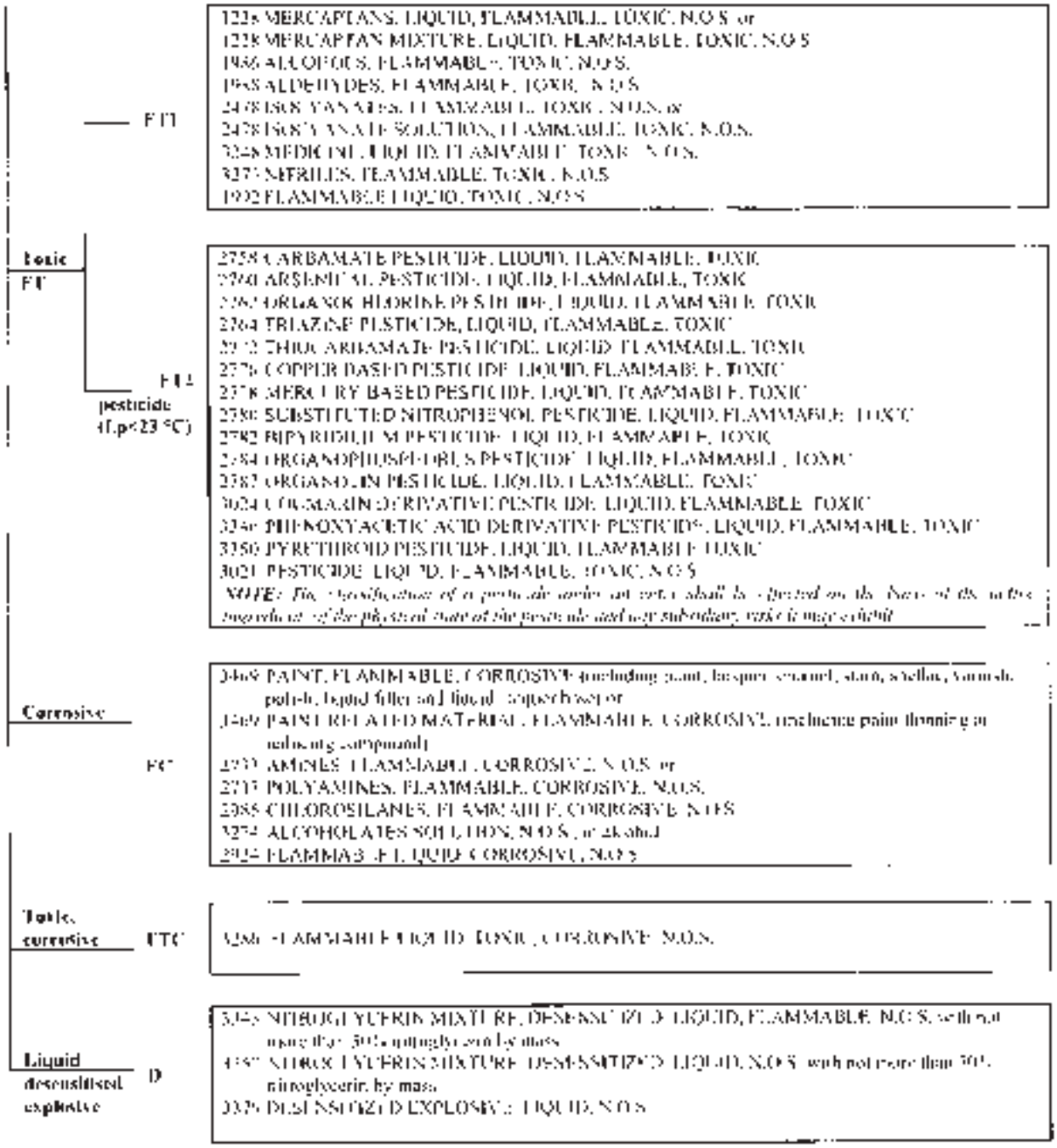
2.2.3.2.3 Liquid desensitized explosives other than those listed in Table A of Chapter 3.2 shall not be accepted for carriage as substances of Class 3.

2.2.3.3 *List of radioactive entries*



(continued on next page)

2.2.3.3 *List of collective entries (cont'd)*



2.2.41 Class 4.1 Flammable solids, self-reactive substances and solid desensitized explosives

2.2.41.1 *Criteria*

2.2.41.1.1 The heading of Class 4.1 covers flammable substances and articles, desensitized explosives which are solids according to subparagraph (a) of the definition "Solid" in 1.2.1 and self-reactive liquids or solids.

The following are assigned to Class 4.1:

- readily flammable solid substances and articles (see paragraphs 2.2.41.1.3 to 2.2.41.1.8);
- self-reactive solids or liquids (see paragraphs 2.2.41.1.9 to 2.2.41.1.17);
- solid desensitized explosives (see 2.2.41.1.18);
- substances related to self-reactive substances (see 2.2.41.1.19).

2.2.41.1.2 The substances and articles of Class 4.1 are subdivided as follows:

F Flammable solids, without subsidiary risk:

- F1 Organic;
- F2 Organic, molten;
- F3 Inorganic.

FO Flammable solids, oxidizing;

FT Flammable solids, toxic:

- FT1 Organic, toxic;
- FT2 Inorganic, toxic;

FC Flammable solids, corrosive:

- FC1 Organic, corrosive;
- FC2 Inorganic, corrosive;

D Solid desensitized explosives without subsidiary risk;

DT Solid desensitized explosives, toxic;

SR Self-reactive substances:

- SR1 Not requiring temperature control;
- SR2 Requiring temperature control.

Flammable solids

Definition and properties

2.2.41.1.3 *Flammable solids* are readily combustible solids and solids which may cause fire through friction

Readily combustible solids are powdered, granular, or pasty substances which are dangerous if they can be easily ignited by brief contact with an ignition source, such as a burning match, and if the flame spreads rapidly. The danger may come not only from the fire but also from toxic combustion products. Metal powders are especially dangerous because of the difficulty of extinguishing a fire since normal extinguishing agents such as carbon dioxide or water can increase the hazard.

Classification

2.2.41.1.4 Substances and articles classified as flammable solids of Class 4.1 are listed in Table A of Chapter 3.2. The assignment of organic substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of sub-section 2.2.41.3 in accordance with the provisions of Chapter 2.1 can be based on experience or on the results of the test procedures in accordance with Part III, sub-section 33.2.1 of the Manual of Tests and Criteria. The assignment of inorganic substances not mentioned by name shall be based on the results of the test procedures in accordance with Part III, sub-section 33.2.1 of the Manual of Tests and Criteria, experience shall also be taken into account when it leads to a more stringent assignment

2.2.41.1.5 When substances not mentioned by name are assigned to one of the entries listed in 2.2.41.3 on the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, sub-section 33.2.1, the following criteria apply

(a) With the exception of metal powders or powders of metal alloys, powdery, granular or pasty substances shall be classified as readily flammable substances of Class 4.1 if they can be easily ignited by brief contact with an ignition source (e.g. a burning match), or if, in the event of ignition, the flame spreads rapidly, the burning time is less than 45 seconds for a measured distance of 100 mm or the rate of burning is greater than 2.2 mm/s;

(b) Metal powders or powders of metal alloys shall be assigned to Class 4.1 if they can be ignited by a flame and the reaction spreads over the whole length of the sample in 10 minutes or less

Solids which may cause fire through friction shall be classified in Class 4.1 by analogy with existing entries (e.g. matches) or in accordance with any appropriate special provision.

2.2.41.1.6 On the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.2.1 and the criteria set out in 2.2.41.1.4 and 2.2.41.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class

2.2.41.1.7 If substances of Class 4.1, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3

Assignment of packing groups

2.2.41.1.8 Flammable solids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, sub-section 33.2.1, in accordance with the following criteria:

(a) Readily flammable solids which, when tested, have a burning time of less than 45 seconds over a measured distance of 100 mm shall be assigned to:

Packing group II: if the flame passes the wetted zone;

Packing group III: if the wetted zone stops the flame for at least four minutes.

(b) Metal powders or powders of metal alloys shall be assigned to:

Packing group II: if, when tested, the reaction spreads over the whole length of the sample in five minutes or less;

Packing group III: if, when tested, the reaction spreads over the whole length of the sample in more than five minutes.

For solids which may cause fire through friction, the packing group shall be assigned by analogy with existing entries or in accordance with any special provision.

Self-reactive substances

Definitions

2.2.41.1.9 For the purposes of ADR, *self-reactive substances* are thermally unstable substances liable to undergo a strongly exothermic decomposition even without participation of oxygen (air). Substances are not considered to be self-reactive substances of Class 4.1, if:

(a) they are explosives according to the criteria of Class 1;

(b) they are oxidizing substances according to the classification procedure for Class 5.1 (see 2.2.51.1) except that mixtures of oxidizing substances which contain 5 % or more of combustible organic substances shall be subjected to the classification procedure defined in Note 2;

(c) they are organic peroxides according to the criteria of Class 5.2 (see 2.2.52.1);

(d) their heat of decomposition is less than 300 J/g; or

(e) their self-accelerating decomposition temperature (SADT) (see Note 3 hereafter) is greater than 75 °C for a 50 kg package.

NOTE 1: *The heat of decomposition can be determined using any internationally recognized method, e.g. differential scanning calorimetry and adiabatic calorimetry.*

NOTE 2: *Mixtures of oxidizing substances meeting the criteria of Class 5.1 which contain 5% or more of combustible organic substances which do not meet the criteria mentioned in (a), (c), (d) or (e) above, shall be subjected to the self-reactive substance classification procedure.*

A mixture showing the properties of a self-reactive substance, type B to F, shall be classified as a self-reactive substance of Class 4.1.

A mixture showing the properties of a self-reactive substance, type G, according to the principle given in sub-section 20.4.3 (g) of Part II of the Manual of Tests and Criteria shall be considered for classification as a substance of Class 5.1 (see 2.2.51.1).

NOTE 3: *The self-accelerating decomposition temperature (SADT) is the lowest temperature at which self-accelerating decomposition may occur with a substance in the packaging as used during carriage. Requirements for the determination of the SADT are given in the Manual of Tests and Criteria, Part II, Chapter 20 and section 28.4.*

NOTE 4: *Any substance which shows the properties of a self-reactive substance shall be classified as such, even if this substance gives a positive test result according to 2.2.42.1.3 for inclusion in Class 4.2.*

Properties

2.2.41.1.10 The decomposition of self-reactive substances can be initiated by heat, contact with catalytic impurities (e.g. acids, heavy-metal compounds, bases), friction or impact. The rate of decomposition increases with temperature and varies with the substance. Decomposition, particularly if no ignition occurs, may result in the evolution of toxic gases or vapours. For certain self-reactive substances, the temperature shall be controlled. Some self-reactive substances may decompose explosively, particularly if confined. This characteristic may be modified by the addition of diluents or by the use of appropriate packagings. Certain self-reactive substances burn vigorously. Self-reactive substances are, for example, some compounds of the types listed below:

aliphatic azo compounds (-C-N=N-C-);
organic azides (C-N_3);
diazonium salts (-$CN_2^+Z^-$);
N-nitroso compounds (-N-N=O); and
aromatic sulphohydrazides (-SO_2-NH-NH-).

This list is not exhaustive and substances with other reactive groups and some mixtures of substances may have similar properties.

Classification

2.2.41.1.11 Self-reactive substances are classified into seven types according to the degree of danger they present. The types of self-reactive substances range from type A, which is not accepted for carriage in the packaging in which it is tested, to type G, which is not subject to the provisions for self-reactive substances of Class 4.1. The classification of types B to F is directly related to the maximum quantity allowed in one packaging. The principles to be applied for classification as well as the applicable classification procedures, test methods and criteria and an example of a suitable test report are given in Part II of the Manual of Tests and Criteria.

2.2.41.1.12 Self-reactive substances which have already been classified and are already permitted for carriage in packagings are listed in 2.2.41.4, those already permitted for carriage in IBCs are listed in 4.1.4.2, packing instruction IBC520 and those already permitted for carriage in tanks according to Chapter 4.2 are listed in 4.2.5.2, portable tank instruction T23. Each permitted substance listed is assigned to a generic entry of Table A of Chapter 3.2 (UN Nos. 3221 to 3240), and appropriate subsidiary risks and remarks providing relevant transport information are given.

The collective entries specify

- self-reactive substances types B to F, see 2.2.41.1.10 above,
- physical state (liquid/solid); and
- temperature control (when required), see 2.2.41.1.17 below.

The classification of the self-reactive substances listed in 2.2.41.4 is based on the technically pure substance (except where a concentration of less than 100% is specified).

2.2.41.1.13 Classification of self-reactive substances not listed in 2.2.41.4, 4.1.4.2, packing instruction IBC520 or 4.2.5.2, portable tank instruction T23 and assignment to a collective entry shall be made by the competent authority of the country of origin on the basis of a test report. The statement of approval shall contain the classification and the relevant conditions of carriage. If the country of origin is not a Contracting Party to ADR, the classification and the conditions of carriage shall be recognized by the competent authority of the first country Contracting Party to ADR reached by the consignment.

2.2.41.1.14 Activators, such as zinc compounds, may be added to some self-reactive substances to change their reactivity. Depending on both the type and the concentration of the activator, this may result in a decrease in thermal stability and a change in explosive properties. If either of these properties is altered, the new formulation shall be assessed in accordance with the classification procedure.

2.2.41.1.15 Samples of self-reactive substances or formulations of self-reactive substances not listed in 2.2.41.4, for which a complete set of test results is not available and which are to be carried for further testing or evaluation, shall be assigned to one of the appropriate entries for self-reactive substances type C, provided the following conditions are met:

the available data indicate that the sample would be no more dangerous than self-reactive substances type B;

- the sample is packaged in accordance with packing method OP2 and the quantity per transport unit is limited to 10 kg;
- the available data indicate that the control temperature, if any, is sufficiently low to prevent any dangerous decomposition and sufficiently high to prevent any dangerous phase separation.

Dilution

2.2.41.1.16 In order to ensure safety during carriage, self-reactive substances are in many cases desensitized by use of a diluent. Where a percentage of a substance is stipulated, this refers to the percentage by mass, rounded to the nearest whole number. If a diluent is used, the self-reactive substance shall be tested with the diluent present in the concentration and form used in carriage. Diluents which may allow a self-reactive substance to concentrate to a dangerous extent in the event of leakage from a packaging shall not be used. Any diluent shall be compatible with the self-reactive substance. In this regard, compatible diluents are those solids or liquids which have no detrimental influence on the thermal stability and hazard type of the self-reactive substance. Liquid diluents in formulations requiring temperature control (see 2.2.41.1.14) shall have a boiling point of at least 60 °C and a flash-point (or less than 5 °C. The boiling point of the liquid shall be at least 50 °C higher than the control temperature of the self-reactive substance.

Temperature control requirements

2.2.41.1.17 Certain self-reactive substances may only be carried under temperature controlled conditions. The control temperature is the maximum temperature at which the self-reactive substance can be safely carried. It is assumed that the temperature of the immediate surroundings of a package only exceeds 55 °C during carriage for a relatively short time in a 24 hour period. In the event of loss of temperature control, it may be necessary to implement emergency procedures. The emergency temperature is the temperature at which such procedures shall be implemented.

The control and emergency temperatures are derived from the SADT (see table 1). The SADT shall be determined in order to decide whether a substance shall be subjected to temperature control during carriage. Provisions for the determination of the SADT are given in the Manual of Tests and Criteria, Part II, Chapter 20 and Section 28.4.

Table 1: Derivation of control and emergency temperatures

Type of receptacle	SADT [a]	Control temperature	Emergency temperature
Single packagings and IBCs	20 °C or less	20 °C below SADT	10 °C below SADT
	over 20 °C to 35 °C	15 °C below SADT	10 °C below SADT
	over 35 °C	10 °C below SADT	5 °C below SADT
Tanks	not greater than 50 °C	10 °C below SADT	5 °C below SADT

[a] *SADT of the substance as packaged for carriage*

Self-reactive substances with an SADT not greater than 55 °C shall be subject to temperature control during carriage. Where applicable, control and emergency temperatures are listed in 2.2.41.4. The actual temperature during carriage may be lower than the control temperature but shall be selected so as to avoid dangerous separation of phases.

Solid desensitized explosives

2.2.41.1.18 Solid desensitized explosives are substances which are wetted with water or alcohols or are diluted with other substances to suppress their explosive properties. Such entries in Table A of Chapter 3.2 are: UN Nos. 1310, 1320, 1321, 1322, 1336, 1337, 1344, 1347, 1348, 1349, 1354, 1355, 1356, 1357, 1517, 1571, 2555, 2556, 2557, 2852, 2907, 3317, 3319, 3344, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3376, 3380 and 3474.

Substances related to self-reactive substances

2.2.41.1.19 Substances that:

(a) have been provisionally accepted into Class 1 according to Test Series 1 and 2 but exempted from Class 1 by Test Series 6;

(b) are not self-reactive substances of Class 4.1; and

(c) are not substances of Classes 5.1 or 5.2;

are also assigned to Class 4.1. UN Nos. 2956, 3241, 3242 and 3251 are such entries.

2.2.41.2 ***Substances not accepted for carriage***

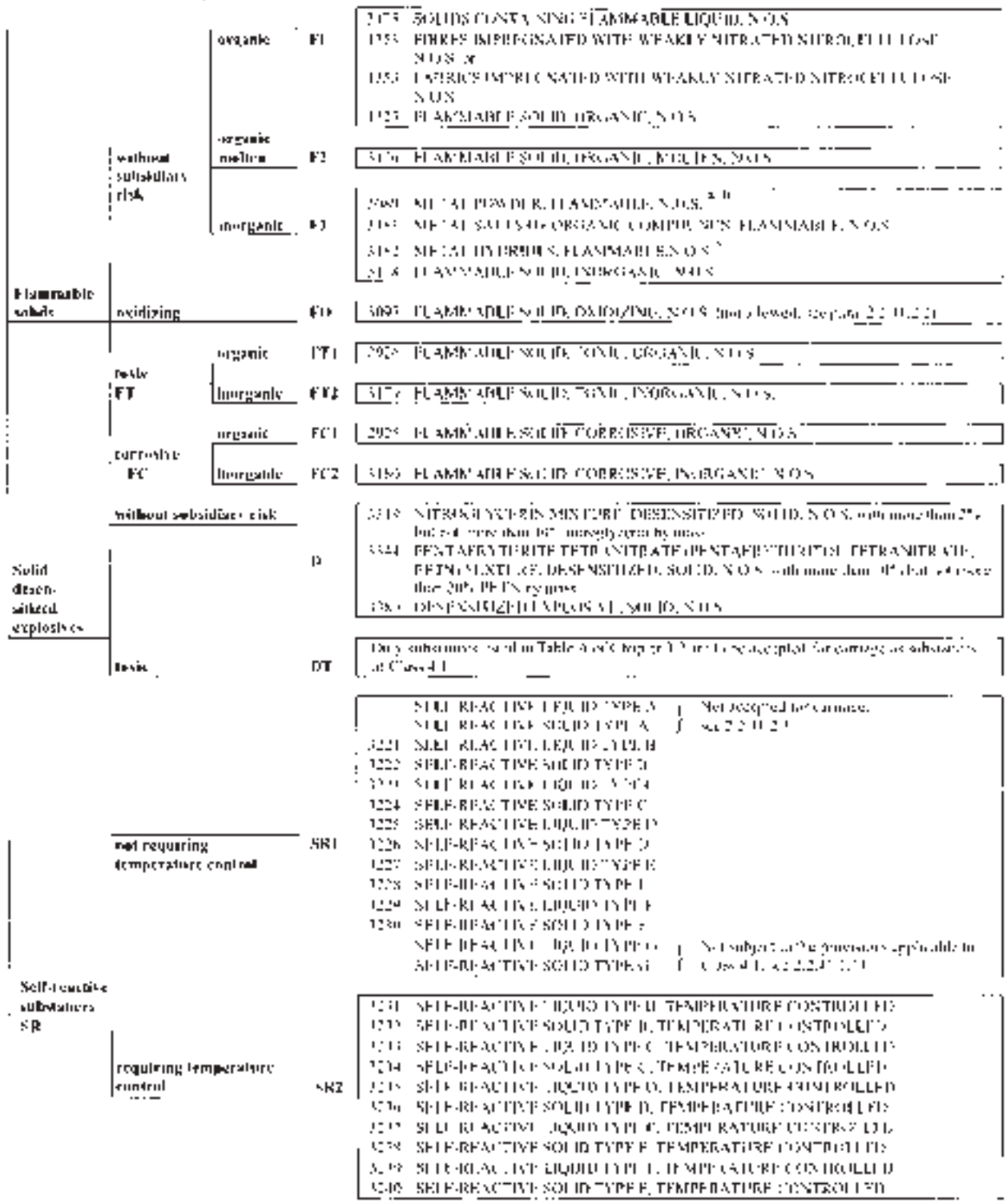
2.2.41.2.1 The chemically unstable substances of Class 4.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall in particular be ensured that receptacles and tanks do not contain any substance liable to promote these reactions.

2.2.41.2.2 Flammable solids, oxidizing, assigned to UN No. 3097 shall not be accepted for carriage unless they meet the requirements for Class 1 (see also 2.1.3.7).

2.2.41.2.3 The following substances shall not be accepted for carriage:

- Self-reactive substances of type A (see Manual of Tests and Criteria, Part II, paragraph 20.4.2 (a));
- Phosphorus sulphides which are not free from yellow and white phosphorus;
- Solid desensitized explosives other than those listed in Table A of Chapter 3.2;
- Inorganic flammable substances in the molten form other than UN No. 2448 SULPHUR, MOLTEN.

2.2.41.3 *List of collective entries*



[a] *Metals and metal alloys in powdered or other flammable form, liable to spontaneous combustion, are substances of Class 4.2.*

[b] *Metals and metal alloys in powdered or other flammable form which in contact with water emit flammable gases, are substances of Class 4.3.*

[c] *Metals hydrides which in contact with water emit flammable gases are substances of Class 4.3. Aluminium borohydride or aluminium borohydride in devices are substances of Class 4.2, UN No. 2870.*

2.2.41.4 ***List of currently assigned self-reactive substances in packagings***

In the column "Packing Method" codes "OP1" to "OP8" refer to packing methods in 4.1.4.1, packing instruction P520 (see also 4.1.7.1). Self-reactive substances to be carried shall fulfil the classification and the control and emergency temperatures (derived from the SADT) as listed. For substances permitted in IBCs, see 4.1.4.2, packing instruction IBC520 and, for those permitted in tanks according to Chapter 4.2, see 4.2.5.2, portable tank instruction T23.

NOTE: *The classification given in the table is based on the technically pure substance (except where a concentration of less than 100% is specified). For other concentrations, the substance may be classified differently following the procedures given in Part II of the Manual of Tests and Criteria and in 2.2.41.1.1.*

SELF-REACTIVE SUBSTANCE	Concentration (%)	Packing method	Control temperature (°C)	Emergency temperature (°C)	UN generic entry	Remarks
ACETONE PYROGALLOL COPOLYMER 2-DIAZO-1-NAPHTHOL-5-SULPHONATE	100	OP8			3228	
AZODICARBONAMIDE FORMULATION TYPE B, TEMPERATURE CONTROLLED	< 100	OP5			3232	(1) (2)
AZODICARBONAMIDE FORMULATION TYPE C	< 100	OP6			3224	(3)
AZODICARBONAMIDE FORMULATION TYPE C, TEMPERATURE CONTROLLED	< 100	OP5			3234	(4)
AZODICARBONAMIDE FORMULATION TYPE D	< 100	OP7			3226	(5)
AZODICARBONAMIDE FORMULATION TYPE D, TEMPERATURE CONTROLLED	< 100	OP7			3236	(6)
2,2'-AZODI(2,4-DIMETHYL-4-METHOXY-VALERONITRILE)	100	OP7	-5	+5	3236	
2,2'-AZODI(2,4-DIMETHYL-VALERONITRILE)	100	OP7	+10	+15	3236	
2,2'-AZODI(ETHYL-2-METHYL-PROPIONATE)	100	OP7	+20	+25	3235	
1,1-AZODI(HEXAHYDROBENZONITRILE)	100	OP7			3226	
2,2'-AZODI(ISOBUTYRONITRILE)	100	OP6	+40	+45	3234	
2,2'-AZODI(ISOBUTYRONITRILE) as a water based paste	≤ 50%	OP6			3224	
2,2'-AZODI(2-METHYLBUTYRONITRILE)	100	OP7	+35	+40	3236	
BENZENE-1,3-DISULPHONYL HYDRAZIDE, as a paste	52	OP7			3226	
BENZENE SULPHONYL HYDRAZIDE	100	OP7			3226	
4-(BENZYL(ETHYL)AMINO)-3-ETHOXY-BENZENEDIAZONIUM ZINC CHLORIDE	100	OP7			3226	
4-(BENZYL(METHYL)AMINO)-3-ETHOXY-BENZENEDIAZONIUM ZINC CHLORIDE	100	OP7	+40	+45	3236	
3-CHLORO-4-DIETHYLAMINOBENZENE-DIAZONIUM ZINC CHLORIDE	100	OP7			3226	
2-DIAZO-1-NAPHTHOL-4-SULPHONYL CHLORIDE	100	OP5			3222	(2)
2-DIAZO-1-NAPHTHOL-5-SULPHONYL CHLORIDE	100	OP5			3222	(2)
2-DIAZO-1-NAPHTHOL SULPHONIC ACID ESTER MIXTURE, TYPE D	< 100	OP7			3226	(9)
2,5-DIBUTOXY-4-(4-MORPHOLINYL)-BENZENEDIAZONIUM TETRACHLOROZINCATE (2:1)	100	OP8			3228	
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM ZINC CHLORIDE	67-100	OP7	+35	+40	3236	
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM ZINC CHLORIDE	66	OP7	+40	+45	3236	
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM TETRAFLUOROBORATE	100	OP7	+30	+35	3236	

SELF-REACTIVE SUBSTANCE	Concentration (%)	Packing method	Control temperature (°C)	Emergency temperature (°C)	UN generic entry	Remarks
2,5-DIETHOXY-4-(4-MORPHOLINYL) BENZENEDIAZONIUM SULPHATE	100	OP7			3236	
2,5-DIETHOXY-4-PHENYLSULPHONYL-BENZENEDIAZONIUM ZINC CHLORIDE	67	OP7	+10	+45	3236	
DIETHYLENEGLYCOL BIS (ALLYL CARBONATE) + DI-ISOPROPYL PEROXYDICARBONATE	≥ 88 ≤ 12	OP5	-10	0	3237	
2,5-DIMETHOXY-4-(4-METHYL PHENYLSULPHONYL)BENZENE-DIAZONIUM ZINC CHLORIDE	79	OP7	+40	+45	3236	
4-DIMETHYLAMINO-BENZENE-DIAZONIUM TRICHLOROZINCATE(1-)	100	OP8			3228	
4-DIMETHYLAMINO-6-(2-DIMETHYL-AMINOETHOXY) TOLUENE-2-DIAZONIUM ZINC CHLORIDE	100	OP7	+40	+45	3236	
N,N'-DINITROSO-N,N'-DIMETHYL TEREPHTHALAMIDE, as a paste	72	OP6			3224	
N,N'-DINITROSOPENTAMETHYLENE-TETRAMINE	82	OP6			3224	(7)
DIPHENYLOXIDE-4,4'-DISULPHONYL HYDRAZIDE	100	OP7			3226	
4-DIPROPYLAMINOBENZENE-DIAZONIUM ZINC CHLORIDE	100	OP7			3226	
2-(N,N-DIETHOXYCARBONYL-PHENYLAMINO)-3-METHOXY-4-(N-METHYL-N-CYCLOHEXYLAMINO) BENZENEDIAZONIUM ZINC CHLORIDE	63-92	OP7	+40	+45	3236	
2-(N,N-DIETHOXYCARBONYL-PHENYLAMINO)-3-METHOXY-4-(N-METHYL-N-CYCLOHEXYLAMINO) BENZENEDIAZONIUM ZINC CHLORIDE	62	OP7	+45	+50	3236	
N-FORMYL-2-(NITROMETHYLENE)-1,3-PERHYDROTHIAZINE	100	OP7	+45	+50	3236	
2-(2-HYDROXYETHOXY)-5-(PYRROLIDIN-1-YL)BENZENE-4-DIAZONIUM ZINC CHLORIDE	100	OP7	+45	+50	3236	
3-(2-HYDROXYETHOXY)-4-(PYRROLIDIN-1-YL) BENZENE DIAZONIUM ZINC CHLORIDE	100	OP7	+40	+45	3236	
3-(N,N-METHYLAMINOETHYLCARBONYL)-4-(3,4-DIMETHYLPHENYLSULPHONYL) BENZENEDIAZONIUM HYDROGEN SULPHATE	96	OP7	45	50	3236	
4-METHYLBENZENESULPHONYLHYDRAZIDE	100	OP7			3226	
3-METHYL-4-(PYRROLIDIN-1-YL) BENZENEDIAZONIUM TETRAFLUOROBORATE	95	OP6	+45	+50	3234	
4-NITROSOPHENOL	100	OP7	+35	+40	3236	
SELF-REACTIVE LIQUID, SAMPLE		OP2			3223	(8)
SELF-REACTIVE LIQUID, SAMPLE, TEMPERATURE CONTROLLED		OP2			3233	(8)
SELF-REACTIVE SOLID, SAMPLE		OP2			3224	(8)
SELF-REACTIVE SOLID, SAMPLE, TEMPERATURE CONTROLLED		OP2			3234	(8)
SODIUM 2-DIAZO-1-NAPHTHOL-4-SULPHONATE	100	OP7			3226	
SODIUM 2-DIAZO-1-NAPHTHOL-5-SULPHONATE	100	OP7			3226	
TETRAMINE PALLADIUM (II) NITRATE	100	OP6	-30	+35	3234	

Remarks

(1) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (a) of the Manual of Tests and Criteria. The control and emergency temperatures shall be determined by the procedure given in 2.2.41.1.17.

(2) "EXPLOSIVE" subsidiary risk label required (Model No. 1, see 5.2.2.2.2).

(3) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (c) of the Manual of Tests and Criteria.

(4) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (c) of the Manual of Tests and Criteria. The control and emergency temperatures shall be determined by the procedure given in 2.2.41.1.17.

(5) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (d) of the Manual of Tests and Criteria.

(6) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (d) of the Manual of Tests and Criteria. The control and emergency temperatures shall be determined by the procedure given in 2.2.41.1.17.

(7) With a compatible diluent having a boiling point of not less than 150 °C.

(8) See 2.2.41.1.15.

(9) This entry applies to mixtures of esters of 2-diazo-1-naphthol-4-sulphonic acid and 2-diazo-1-naphthol-5-sulphonic acid which fulfil the criteria of paragraph 20.4.2 (d) of the *Manual of Tests and Criteria*.

2.2.42 Class 4.2 Substances liable to spontaneous combustion

2.2.42.1 *Criteria*

2.2.42.1.1 The heading of Class 4.2 covers:

- *Pyrophoric substances* which are substances, including mixtures and solutions (liquid or solid), which even in small quantities ignite on contact with air within five minutes. These are the Class 4.2 substances the most liable to spontaneous combustion; and

- *Self-heating substances and articles* which are substances and articles, including mixtures and solutions, which, on contact with air, without energy supply, are liable to self-heating. These substances will ignite only in large amounts (kilograms) and after long periods of time (hours or days).

2.2.42.1.2 The substances and articles of Class 4.2 are subdivided as follows:

S Substances liable to spontaneous combustion, without subsidiary risk.

S1 Organic, liquid;
S2 Organic, solid;
S3 Inorganic, liquid;
S4 Inorganic, solid;
S5 Organometallic;

SW Substances liable to spontaneous combustion, which, in contact with water, emit flammable gases;

SO Substances liable to spontaneous combustion, oxidizing;

ST Substances liable to spontaneous combustion, toxic;

ST1 Organic, toxic, liquid;
ST2 Organic, toxic, solid;
ST3 Inorganic, toxic, liquid;
ST4 Inorganic, toxic, solid;

SC Substances liable to spontaneous combustion, corrosive;

SC1 Organic, corrosive, liquid;
SC2 Organic, corrosive, solid;
SC3 Inorganic, corrosive, liquid;
SC4 Inorganic, corrosive, solid.

Properties

2.2.42.1.3 Self-heating of a substance is a process where the gradual reaction of that substance with oxygen (in air) generates heat. If the rate of heat production exceeds the rate of heat loss, then the temperature of the substance will rise which, after an induction time, may lead to self-ignition and combustion.

Classification

2.2.42.1.4 Substances and articles classified in Class 4.2 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant specific N.O.S. entry of 2.2.42.3 in accordance with the provisions of Chapter 2.1 can be based on experience or the results of the test procedures in accordance with the Manual of Tests and Criteria, Part III, Section 33.3. Assignment to general N.O.S. entries of Class 4.2 shall be based on the results of the test procedures in accordance with the Manual of Tests and Criteria, Part III, section 33.3; experience shall also be taken into account; when it leads to a more stringent assignment.

2.2.42.1.5 When substances or articles not mentioned by name are assigned to one of the entries listed in 2.2.42.3 on the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, section 33.3, the following criteria shall apply:

(a) Solids liable to spontaneous combustion (pyrophoric) shall be assigned to Class 4.2 when they ignite on falling from a height of 1 m or within five minutes;

(b) Liquids liable to spontaneous combustion (pyrophoric) shall be assigned to Class 4.2 when

(i) on being poured on an inert carrier, they ignite within five minutes, or

(ii) in the event of a negative result of the test according to (i), when poured on a dry, indented filter paper (Whatman No. 3 fibre), they ignite or carbonize in within five minutes;

(c) Substances in which, in a 10 cm sample cube, at 140 °C test temperature, spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours shall be assigned to Class 4.2. This criterion is based on the temperature of the spontaneous combustion of charcoal, which is at 50 °C for a sample cube of 27 m^3. Substances with a temperature of spontaneous combustion higher than 50 °C for a volume of 27 m^3 are not to be assigned to Class 4.2.

NOTE 1: *Substances carried in packages with a volume of not more than 3 m^3 are excepted from Class 4.2 if, tested with a 10 cm sample cube at 120 °C, no spontaneous combustion nor a rise in temperature to 65 or 160 °C is observed within 24 hours.*

NOTE 2: *Substances carried in packages with a volume of not more than 450 litres are excepted from Class 4.2 if, tested with a 10 cm sample cube at 100 °C, no spontaneous combustion nor a rise in temperature to over 160 °C is observed within 24 hours.*

NOTE 3: *Some organometallic substances can be classified in Class 4.2 or 4.3 with additional subsidiary risks depending on their properties, a specific classification flow chart for these substances is given in 2.3.5.*

2.2.42.1.6 If substances of Class 4.2, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: *For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.*

2.2.42.1.7 On the basis of the test procedure in the Manual of Tests and Criteria, Part III, section 33.3 and the criteria set out in 2.2.42.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class.

Assignment of packing groups

2.2.42.1.8 Substances and articles classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 33.3, in accordance with the following criteria:

(a) Substances liable to spontaneous combustion (pyrophoric) shall be assigned to packing group I;

(b) Self-heating substances and articles in which, in a 2.5 cm sample cube, at 140 °C test temperature, spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours, shall be assigned to packing group II;

Substances with a temperature of spontaneous combustion higher than 50 °C for a volume of 450 litres are not to be assigned to packing group II;

(c) Slightly self-heating substances in which, in a 2.5 cm sample cube, the phenomena referred to under (b) are not observed, in the given conditions, but in which in a 10 cm sample cube at 140 °C test temperature spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours, shall be assigned to packing group III.

2.2.42.2 ***Substances not accepted for carriage***

The following substances shall not be accepted for carriage:

- UN No. 3255 *tert*-BUTYL HYPOCHLORITE; and
- Self-heating solids, oxidizing, assigned to UN No. 3127 unless they meet the requirements for Class 1 (see 2.1.3.7).

2.2.42.3 *List of collective entries*

Substances liable to spontaneous combustion		liquid	S1	2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.
	inorganic			3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.
				1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil
				2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.
		solid	S2	3313	ORGANIC PIGMENTS, SELF-HEATING
Without subsidiary risk				2846	PYROPHORIC SOLID, ORGANIC, N.O.S.
S				3088	SELF-HEATING SOLID, ORGANIC, N.O.S.
		liquid	S3	3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.
				3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.
	inorganic			1383	PYROPHORIC METAL, N.O.S. or
				9[illegible]	PYROPHORIC ALLOY, N.O.S.
				3[illegible]	METAL CATALYST, WETTED with a visible excess of liquid
				2881	METAL CATALYST, DRY
		solid	S4	3189*	METAL POWDER, SELF-HEATING, N.O.S.
				3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.
				3200	PYROPHORIC SOLID, INORGANIC, N.O.S.
				3190	SELF-HEATING SOLID, INORGANIC, N.O.S.
	organometallic		S5	3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC
				3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC
				3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING
Water-reactive			SW	3[illegible]	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE
				3[illegible]	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE
Oxidizing			SO	[illegible]	SELF-HEATING SOLID, OXIDIZING, N.O.S. (not allowed, see 2.2.42.2)
Toxic ST	organic	liquid	ST1	3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.
		solid	ST2	3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.
	inorganic	liquid	ST3	3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.
		solid	ST4	3[illegible]	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.
Corrosive SC	organic	liquid	SC1	3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.
		solid	SC2	3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.
	inorganic	liquid	SC3	3[illegible]	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.
		solid	SC4	3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.
				3[illegible]	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.

* *Dust and powder of metals, non-toxic or non-spontaneous combustible form which nevertheless, on contact with water, emit flammable gases, are substances of Class 4.3*

2.2.43 Class 4.3 Substances which, in contact with water, emit flammable gases

2.2.43.1 *Criteria*

2.2.43.1.1 The heading of Class 4.3 covers substances which react with water to emit flammable gases liable to form explosive mixtures with air, and articles containing such substances.

2.2.43.1.2 Substances and articles of Class 4.3 are subdivided as follows:

W Substances which, in contact with water, emit flammable gases, without subsidiary risk, and articles containing such substances:

W1 Liquid;
W2 Solid;
W3 Articles;

WF1 Substances which, in contact with water, emit flammable gases, liquid, flammable;

WF2 Substances which, in contact with water, emit flammable gases, solid, flammable;

WS Substances which, in contact with water, emit flammable gases, solid, self heating;

WO Substances which, in contact with water, emit flammable gases, oxidizing, solid;

WT Substances which, in contact with water, emit flammable gases, toxic:

WT1 Liquid;
WT2 Solid;

WC Substances which, in contact with water, emit flammable gases, corrosive:

WC1 Liquid;
WC2 Solid;

WFC Substances which, in contact with water, emit flammable gases, flammable, corrosive.

Properties

2.2.43.1.3 Certain substances in contact with water may emit flammable gases that can form explosive mixtures with air. Such mixtures are easily ignited by all ordinary sources of ignition, for example naked lights, sparking handtools or unprotected light bulbs. The resulting blast wave and flames may endanger people and the environment. The test method referred to in 2.2.43.1.4 below is used to determine whether the reaction of a substance with water leads to the development of a dangerous amount of gases which may be flammable. This test method shall not be applied to pyrophoric substances.

Classification

2.2.43.1.4 Substances and articles classified in Class 4.3 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.43.3 in accordance with the provisions of Chapter 2.1 shall be based on the results of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.4, experience shall also be taken into account when it leads to a more stringent assignment.

2.2.43.1.5 When substances not mentioned by name are assigned to one of the entries listed in 2.2.43.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.4, the following criteria shall apply.

A substance shall be assigned to Class 4.3 if:

(a) spontaneous ignition of the gas emitted takes place in any step of the test procedure; or

(b) there is an evolution of flammable gas at a rate greater than 1 litre per kilogram of the substance to be tested per hour.

NOTE: *Since organometallic substances can be classified in Class 4.2 or 4.3 with additional subsidiary risks, depending on their properties, a specific classification flow chart for these substances is given in 2.3.5.*

2.2.43.1.6 If substances of Class 4.3, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: *For the classification of solutions and mixtures (such as preparations and wastes) see also 2.1.3.*

2.2.43.1.7 On the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, Section 33.4, and the criteria set out in paragraph 2.2.43.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class.

Assignment of packing groups

2.2.43.1.8 Substances and articles classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 33.4, in accordance with the following criteria:

(a) Packing group I shall be assigned to any substance which reacts vigorously with water at ambient temperature and generally demonstrates a tendency for the gas produced to ignite spontaneously, or one which reacts readily with water at ambient temperatures such that the rate of evolution of flammable gas is equal to or greater than 10 litres per kilogram of substance over any one minute period;

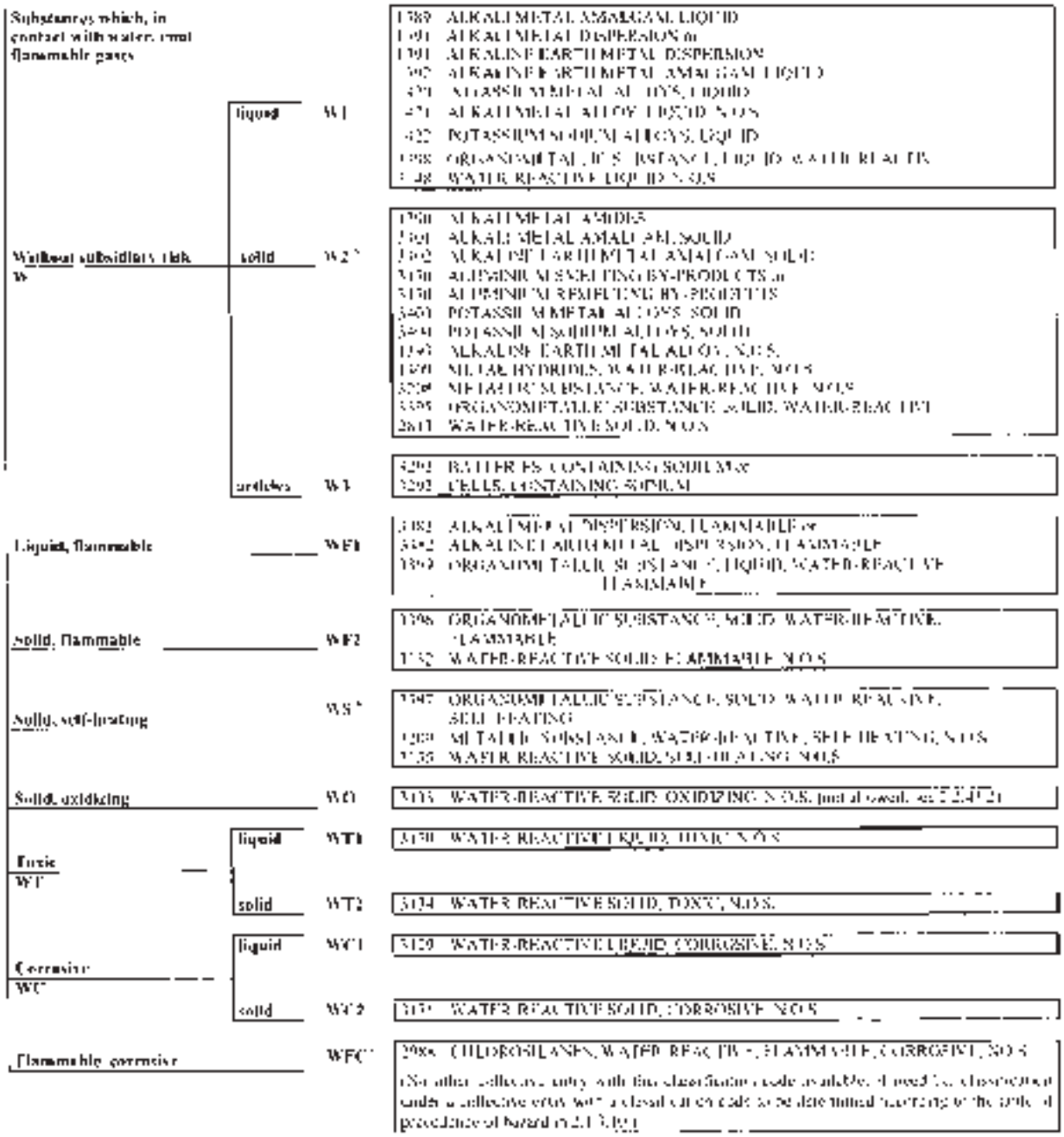
(b) Packing group II shall be assigned to any substance which reacts readily with water at ambient temperature such that the maximum rate of evolution of flammable gas is equal to or greater than 20 litres per kilogram of substance per hour, and which does not meet the criteria of packing group I;

(c) Packing group III shall be assigned to any substance which reacts slowly with water at ambient temperature such that the maximum rate of evolution of flammable gas is greater than 1 litre per kilogram of substance per hour, and which does not meet the criteria of packing groups I or II.

2.2.43.2 ***Substances not accepted for carriage***

Water reactive solids, n.o.s., assigned to UN No. 3133 shall not be accepted for carriage unless they meet the requirements for Class 1 (see also 2.1.3.7).

2.2.43.3 *List of collective entries*



[a] *Metals and metal alloys which, in contact with water, do not emit flammable gases and are not pyrophoric or self-heating, but which are readily flammable, are substances of Class 4.1. Alkaline-earth metals and alkaline-earth metal alloys in pyrophoric form are substances of Class 4.2 Dust and powders of metals in pyrophoric form are substances of Class 4.2. Metals and metal alloys in pyrophoric form are substances of Class 4.2. Compounds of pyrophorous with heavy metals such as iron, copper etc. are not subject to the provisions of ADR.*

[b] *Metals and metal alloys in pyrophoric form are substances of Class 4.2.*

[c] *Chlorosilanes, having a flash-point of less than 23 °C and which, in contact with water do not emit flammable gases, are substances of Class 3. Chlorosilanes, having a flash-point equal to or greater than 23 °C and which, in contact with water, do not emit flammable gases, are substances of Class 8.*

2.2.51 Class 5.1 Oxidizing substances

2.2.51.1 ***Criteria***

2.2.51.1.1 The heading of Class 5.1 covers substances which, while in themselves not necessarily combustible, may, generally by yielding oxygen, cause or contribute to the combustion of other material and articles containing such substances.

2.2.51.1.2 The substances of Class 5.1 and articles containing such substances are subdivided as follows:

O1 Oxidizing substances without subsidiary risk or articles containing such substances:

- O11 Liquid;
- O12 Solid;
- O13 Articles.

OF Oxidizing substances, solid, flammable;

OS Oxidizing substances, solid, self-heating;

OW Oxidizing substances, solid which, in contact with water, emit flammable gases;

O1 Oxidizing substances, toxic:

- OT1 Liquid;
- OT2 Solid.

OC Oxidizing substances, corrosive:

- OC1 Liquid;
- OC2 Solid.

OTC Oxidizing substances, toxic, corrosive.

2.2.51.1.3 Substances and articles classified in Class 5.1 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.51.3 in accordance with the provisions of Chapter 2.1 can be based on the tests, methods and criteria in paragraphs 2.2.51.1.6 2.2.51.1.9 below and the Manual of Tests and Criteria, Part III, Section 34.4. In the event of divergence between test results and known experience, judgement based on known experience shall take precedence over test results.

2.2.51.1.4 If substances of Class 5.1, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also Section 2.1.3.

2.2.51.1.5 On the basis of the test procedures in the Manual of Tests and Criteria, Part III, Section 34.4 and the criteria set out in 2.2.51.1.6 to 2.2.51.1.9 it may also be determined whether the nature of a substance mentioned by name in Table A of Chapter 3.2 is such that the substance is not subject to the provisions for this class.

Oxidizing solids

Classification

2.2.51.1.6 When oxidizing solid substances not mentioned by name in Table A of Chapter 3.2 are assigned to one of the entries listed in 2.2.51.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, sub-section 34.4.1, the following criteria shall apply:

A solid substance shall be assigned to Class 5.1 if, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, it ignites or burns or exhibits mean burning times equal to or less than that of a 3:7 mixture (by mass) of potassium bromate and cellulose.

Assignment of packing groups

2.2.51.1.7 Oxidizing solids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, sub-section 34.4.1, in accordance with the following criteria:

(a) Packing group I: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time less than the mean burning time of a 3:2 mixture, by mass, of potassium bromate and cellulose;

(b) Packing group II: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time equal to or less than the mean burning time of a 2:3 mixture (by mass) of potassium bromate and cellulose and the criteria for packing group I are not met;

(c) Packing group III: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time equal to or less than the mean burning time of a 3:7 mixture (by mass) of potassium bromate and cellulose and the criteria for packing groups I and II are not met.

Oxidizing liquids

Classification

2.2.51.1.8 When oxidizing liquid substances not mentioned by name in Table A of Chapter 3.2 are assigned to one of the entries listed in sub-section 2.2.51.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, sub-section 34.4.2, the following criteria shall apply:

A liquid substance shall be assigned to Class 5.1 if, in the 1:1 mixture, by mass, of substance and cellulose tested, it exhibits a pressure rise of 2070 kPa gauge or more and a mean pressure rise time equal to or less than the mean pressure rise time of a 1:1 mixture, by mass, of 65% aqueous nitric acid and cellulose.

Assignment of packing groups

2.2.51.1.9 Oxidizing liquids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 34.4.2, in accordance with the following criteria:

(a) Packing group I: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, spontaneously ignites; or the mean pressure rise time of a 1:1 mixture, by mass, of substance and cellulose is less than that of a 1:1 mixture, by mass, of 50% perchloric acid and cellulose;

(b) Packing group II: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, exhibits a mean pressure rise time less than or equal to the mean pressure rise time of a 1:1 mixture, by mass, of 40% aqueous sodium chlorate solution and cellulose; and the criteria for packing group I are not met;

(c) Packing group III: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, exhibits a mean pressure rise time less than or equal to the mean pressure rise time of a 1:1 mixture, by mass, of 65% aqueous nitric acid and cellulose; and the criteria for packing groups I and II are not met.

2.2.51.2 *Substances not accepted for carriage*

2.2.51.2.1 The chemically unstable substances of Class 5.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end it shall in particular be ensured that receptacles and tanks do not contain any material liable to promote these reactions.

2.2.51.2.2 The following substances and mixtures shall not be accepted for carriage:

- oxidizing solids, self-heating, assigned to UN No 3100, oxidizing solids, water-reactive, assigned to UN No 3121 and oxidizing solids, flammable, assigned to UN No 3137, unless they meet the requirements for Class 1 (see also 2.1.3.7);

  hydrogen peroxide, not stabilized or hydrogen peroxide, aqueous solutions, not stabilized containing more than 60% hydrogen peroxide;

- tetranitromethane not free from combustible impurities;

- perchloric acid solutions containing more than 72% (mass) acid, or mixtures of perchloric acid with any liquid other than water;

- chloric acid solution containing more than 10% chloric acid or mixtures of chloric acid with any liquid other than water;

- halogenated fluorine compounds other than UN Nos 1745 BROMINE PENTAFLUORIDE, 1746 BROMINE TRIFLUORIDE and 2495 IODINE PENTAFLUORIDE of Class 5.1 as well as UN Nos 1749 CHLORINE TRIFLUORIDE and 2548 CHLORINE PENTAFLUORIDE of Class 2;

- ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt;

- ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt;

- mixtures of a hypochlorite with an ammonium salt;

- ammonium bromate and its aqueous solutions and mixtures of a bromate with an ammonium salt;

- ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt;

- ammonium nitrate containing more than 0.2% combustible substances (including any organic substance calculated as carbon) unless it is a constituent of a substance or article of Class 1;

- fertilizers having an ammonium nitrate content (in determining the ammonium nitrate content, all nitrate ions for which a molecular equivalent of ammonium ions is present in the mixture shall be calculated as ammonium nitrate) or a content in combustible substances exceeding the values specified in special provision 307 except under the conditions applicable to Class 1;

ammonium nitrate and its aqueous solutions and mixtures of an inorganic nitrite with an ammonium salt;

mixtures of potassium nitrate, sodium nitrite and an ammonium salt.

2.2.51.3 ***List of collective entries***

Oxidizing substances and articles containing such substances	liquid	O1	3210 CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3211 PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3213 BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3214 PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3216 PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3218 NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3219 NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. 3139 OXIDIZING LIQUID, N.O.S.
Without subsidiary risk O	solid	O2	1450 BROMATES, INORGANIC, N.O.S. 1461 CHLORATES, INORGANIC, N.O.S. 1462 CHLORITES, INORGANIC, N.O.S. 1477 NITRATES, INORGANIC, N.O.S. 1481 PERCHLORATES, INORGANIC, N.O.S. 1482 PERMANGANATES, INORGANIC, N.O.S. 1483 PEROXIDES, INORGANIC, N.O.S. 2627 NITRITES, INORGANIC, N.O.S. 3212 HYPOCHLORITES, INORGANIC, N.O.S. 3215 PERSULPHATES, INORGANIC, N.O.S. 1479 OXIDIZING SOLID, N.O.S.
	articles	O3	3356 OXYGEN GENERATOR, CHEMICAL
Solid, flammable		OF	3137 OXIDIZING SOLID, FLAMMABLE, N.O.S. (not allowed, see 2.2.51.2)
Solid, self-heating		OS	3100 OXIDIZING SOLID, SELF-HEATING, N.O.S. (not allowed, see 2.2.51.2)
Solid, water reactive		OW	3121 OXIDIZING SOLID, WATER REACTIVE, N.O.S. (not allowed, see 2.2.51.2)
Toxic OT	liquid	OT1	3099 OXIDIZING LIQUID, TOXIC, N.O.S.
	solid	OT2	3087 OXIDIZING SOLID, TOXIC, N.O.S.
Corrosive OC	liquid	OC1	3098 OXIDIZING LIQUID, CORROSIVE, N.O.S.
	solid	OC2	3085 OXIDIZING SOLID, CORROSIVE, N.O.S.
Toxic, corrosive		OTC	(No collective entry with this classification code available, it need be classification under a collective entry with a classification code to be determined according to the table of precedence of hazard in 2.1.3.10.)

2.2.52 **Class 5.2** **Organic peroxides**

2.2.52.1 ***Criteria***

2.2.52.1.1 The heading of Class 5.2 covers organic peroxides and formulations of organic peroxides.

2.2.52.1.2 The substances of Class 5.2 are subdivided as follows:

P1 Organic peroxides, not requiring temperature control;
P2 Organic peroxides, requiring temperature control.

Definition

2.2.52.1.3 *Organic peroxides* are organic substances which contain the bivalent O-O structure and may be considered derivatives of hydrogen peroxide, where one or both of the hydrogen atoms have been replaced by organic radicals.

Properties

2.2.52.1.4 Organic peroxides are liable to exothermic decomposition at normal or elevated temperatures. The decomposition can be initiated by heat, contact with impurities (e.g. acids, heavy-metal compounds, amines), friction or impact. The rate of decomposition increases with temperature and varies with the organic peroxide formulation. Decomposition may result in the evolution of harmful, or flammable, gases or vapours. For certain organic peroxides the temperature shall be controlled during carriage. Some organic peroxides may decompose explosively, particularly if confined. This characteristic may be modified by the addition of diluents or by the use of appropriate packagings. Many organic peroxides burn vigorously. Contact of organic peroxides with the eyes is to be avoided. Some organic peroxides will cause serious injury to the cornea, even after brief contact, or will be corrosive to the skin.

NOTE: Test methods for determining the flammability of organic peroxides are set out in the Manual of Tests and Criteria, Part III, sub-section 32.4. Because organic peroxides may react vigorously when heated, it is recommended to determine their flash-point using small sample sizes such as described in ISO 3679: 1983.

Classification

2.2.52.1.5 Any organic peroxide shall be considered for classification in Class 5.2 unless the organic peroxide formulation contains:

(a) Not more than 1.0% available oxygen from the organic peroxides when containing not more than 1.0% hydrogen peroxide;

(b) Not more than 0.5% available oxygen from the organic peroxides when containing more than 1.0% but not more than 7.0% hydrogen peroxide.

NOTE: The available oxygen content (%) of an organic peroxide formulation is given by the formula:

$$16 \times \sum (n_i \times c_i / m_i)$$

where:

n_i – *number of peroxygen groups per molecule of organic peroxide i;*

c_i – *concentration (mass %) of organic peroxide i; and*

m_i *molecular mass of organic peroxide i.*

2.2.52.1.6 Organic peroxides are classified into seven types according to the degree of danger they present. The types of organic peroxide range from type A, which is not accepted for carriage in the packaging in which it is tested, to type G, which is not subject to the provisions of Class 5.2. The classification of types B to F is directly related to the maximum quantity allowed in one packaging. The principles to be applied to the classification of substances not listed in 2.2.52.4 are set out in the Manual of Tests and Criteria, Part II.

2.2.52.1.7 Organic peroxides which have already been classified and are already permitted for carriage in packagings are listed in 2.2.52.4, those already permitted for carriage in IBCs are listed in 4.1.4.2, packing instruction IBC520 and those already permitted for carriage in tanks in accordance with Chapters 4.2 and 4.3 are listed in 4.2.5.2, portable tank instruction T23. Each permitted substance listed is assigned to a generic entry of Table A of Chapter 3.2 (UN Nos. 3101 to 3120) and appropriate subsidiary risks and remarks providing relevant transport information are given.

These generic entries specify:

- the type (B to F) of organic peroxide (see 2.2.52.1.6 above),

  physical state (liquid/solid); and

- temperature control (when required): see 2.2.52.1.15 to 2.2.52.1.18.

Mixtures of these formulations may be classified as the same type of organic peroxide as that of the most dangerous component and be carried under the conditions of carriage given for this type. However, as two stable components can form a thermally less stable mixture, the self-accelerating decomposition temperature (SADT) of the mixture shall be determined and, if necessary, the control and emergency temperatures derived from the SADT in accordance with 2.2.52.1.16.

2.2.52.1.8 Classification of organic peroxides, formulations or mixtures of organic peroxides not listed in 2.2.52.4, 4.1.4.2 packing instruction IBC520 or 4.2.5.2, portable tank instruction T23, and assignment to a collective entry shall be made by the competent authority of the country of origin. The statement of approval shall contain the classification and the relevant conditions of carriage. If the country of origin is not a Contracting Party to ADR, the classification and conditions of carriage shall be recognized by the competent authority of the first country Contracting Party to ADR reached by the consignment.

2.2.52.1.9 Samples of organic peroxides or formulations of organic peroxides not listed in 2.2.52.4, for which a complete set of test results is not available and which are to be carried for further testing or evaluation, shall be assigned to one of the appropriate entries for organic peroxides type C provided the following conditions are met:

- the available data indicate that the sample would be no more dangerous than organic peroxides type B;

- the sample is packaged in accordance with packing method OP2 and the quantity per transport unit is limited to 10 kg;

  the available data indicate that the control temperature, if any, is sufficiently low to prevent any dangerous decomposition and sufficiently high to prevent any dangerous phase separation.

Desensitization of organic peroxides

2.2.52.1.10 In order to ensure safety during carriage, organic peroxides are in many cases desensitized by organic liquids or solids, inorganic solids or water. Where a percentage of a substance is stipulated, this refers to the percentage by mass, rounded to the nearest whole number. In general, desensitization shall be such that, in case of spillage, the organic peroxide will not concentrate to a dangerous extent.

2.2.52.1.11 Unless otherwise stated for the individual organic peroxide formulation, the following definition(s) shall apply to diluents used for desensitization:

- diluents type A are organic liquids which are compatible with the organic peroxide and which have a boiling point of not less than 150 °C. Type A diluents may be used for desensitizing all organic peroxides.

- diluents type B are organic liquids which are compatible with the organic peroxide and which have a boiling point of less than 150 °C but not less than 60 °C and a flash-point of not less than 5 °C.

Type B diluents may be used for desensitization of all organic peroxides provided that the boiling point of the liquid is at least 60 °C higher than the SADT in a 50 kg package.

2.2.52.1.12 Diluents, other than type A or type B, may be added to organic peroxide formulations as listed in 2.2.52.4 provided that they are compatible. However, replacement of all or part of a type A or type B diluent by another diluent with differing properties requires that the organic peroxide formulation be re-assessed in accordance with the normal acceptance procedure for Class 5.2.

2.2.52.1.13 Water may only be used for the desensitization of organic peroxides which are listed in 2.2.52.4 or in the competent authority decision according to 2.2.52.1.8 as being "with water" or "as a stable dispersion in water". Samples of organic peroxides in formulations of organic peroxides not listed in 2.2.52.4 may also be desensitized with water provided the requirements of 2.2.52.1.9 are met.

2.2.52.1.14 Organic and inorganic solids may be used for desensitization of organic peroxides provided that they are compatible. Compatible liquids and solids are those which have no detrimental influence on the thermal stability and hazard type of the organic peroxide formulation.

Temperature control requirements

2.2.52.1.15 Certain organic peroxides may only be carried under temperature-controlled conditions. The control temperature is the maximum temperature at which the organic peroxide can be safely carried. It is assumed that the temperature of the immediate surroundings of a package only exceeds 55 °C during carriage for a relatively short time in a 24 hour period. In the event of loss of temperature control, it may be necessary to implement emergency procedures. The emergency temperature is the temperature at which such procedures shall be implemented.

2.2.52.1.16 The control and emergency temperatures are derived from the SADT which is defined as the lowest temperature at which self-accelerating decomposition may occur with a substance in the packaging as used during carriage (see Table 1). The SADT shall be determined in order to decide whether a substance shall be subjected to temperature control during carriage. Provisions for the determination of the SADT are given in the Manual of Tests and Criteria, Part II, Sections 20 and 28.4.

Table 1: Derivation of control and emergency temperatures

Type of receptacle	SADT *	Control temperature	Emergency temperature
Single packagings and IBCs	20 °C or less	20 °C below SADT	10 °C below SADT
	over 20 °C to 35 °C	15 °C below SADT	10 °C below SADT
	over 35 °C	10 °C below SADT	5 °C below SADT
Tanks	not greater than 50 °C	10 °C below SADT	5 °C below SADT

* *SADT of the substance as packaged for carriage*

2.2.52.1.17 The following organic peroxides shall be subject to temperature control during carriage:

- organic peroxides types B and C with an SADT ≤ 50 °C;
- organic peroxides type D showing a medium effect when heated under containement with an SADT ≤ 50 °C or showing a low or no effect when heated under containement with an SADT ≤ 45 °C, and
- organic peroxides types E and F with an SADT ≤ 45 °C.

NOTE: Provisions for the determination of the effects of heating under confinement are given in the Manual of Tests and Criteria, Part II, Section 20 and Sub-section 28.4.

2.2.52.1.18 Where applicable, control and emergency temperatures are listed in 2.2.52.4. The actual temperature during carriage may be lower than the control temperature but shall be selected so as to avoid dangerous separation of phases.

2.2.52.2 ***Substances not accepted for carriage***

Organic peroxides, type A, shall not be accepted for carriage under the provisions of Class 5.2 (see Manual of Tests and Criteria, Part II, paragraph 20.4.3 (a)).

2.2.52.3 *List of collective entries*

Organic peroxides		ORGANIC PEROXIDE TYPE A, LIQUID	Not accepted for transport, see 2.2.52.2
		ORGANIC PEROXIDE TYPE A, SOLID	
	2.01	ORGANIC PEROXIDE TYPE B, LIQUID	
	2.02	ORGANIC PEROXIDE TYPE B, SOLID	
	2.03	ORGANIC PEROXIDE TYPE C, LIQUID	
	2.04	ORGANIC PEROXIDE TYPE C, SOLID	
Not requiring temperature control	P1	2.05 ORGANIC PEROXIDE TYPE D, LIQUID	
		2.06 ORGANIC PEROXIDE TYPE D, SOLID	
		2.07 ORGANIC PEROXIDE TYPE E, LIQUID	
		2.08 ORGANIC PEROXIDE TYPE E, SOLID	
		2.09 ORGANIC PEROXIDE TYPE F, LIQUID	
		2.10 ORGANIC PEROXIDE TYPE F, SOLID	
		ORGANIC PEROXIDE TYPE G, LIQUID	Not subject to the provisions applicable to Class 5.2, see 2.2.52.1.6
		ORGANIC PEROXIDE TYPE G, SOLID	
	2.11	ORGANIC PEROXIDE TYPE B, LIQUID	TEMPERATURE CONTROLLED
	2.12	ORGANIC PEROXIDE TYPE B, SOLID	TEMPERATURE CONTROLLED
	2.13	ORGANIC PEROXIDE TYPE C, LIQUID	TEMPERATURE CONTROLLED
	2.14	ORGANIC PEROXIDE TYPE C, SOLID	TEMPERATURE CONTROLLED
Requiring temperature control	P2	2.15 ORGANIC PEROXIDE TYPE D, LIQUID	TEMPERATURE CONTROLLED
		2.16 ORGANIC PEROXIDE TYPE D, SOLID	TEMPERATURE CONTROLLED
		2.17 ORGANIC PEROXIDE TYPE E, LIQUID	TEMPERATURE CONTROLLED
		2.18 ORGANIC PEROXIDE TYPE E, SOLID	TEMPERATURE CONTROLLED
		2.19 ORGANIC PEROXIDE TYPE F, LIQUID	TEMPERATURE CONTROLLED
		2.20 ORGANIC PEROXIDE TYPE F, SOLID	TEMPERATURE CONTROLLED

2.2.52.4 *List of currently assigned organic peroxides in packagings*

In the column "Packing Method", codes "OP1" to "OP8" refer to packing methods in 4.1.4.1, packing instruction P520 (see also 4.1.7.1). Organic peroxides to be carried shall fulfil the classification and the control and emergency temperatures derived from the SADT as listed. For substances permitted in IBCs, see 4.1.4.2, packing instruction IBC520 and, for those permitted in tanks according to Chapters 4.2 and 4.3, see 4.2.5.2, portable tank instruction T23.

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert solid (%)	Water (%)	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
ACETYL ACETONE PEROXIDE	≤ 42	≥ 48			≥ 8	OP7			3105	2)
"	≤ 32 as a paste					OP7			3106	20)
ACETYL CYCLOHEXANESULPHONYL PEROXIDE	≤ 82				≥ 12	OP4	-10	0	3112	3)
"	≤ 32		≥ 68			OP7	-10	0	3115	
tert-AMYL HYDROPEROXIDE	≤ 88	≥ 6			≥ 6	OP8			3107	
tert-AMYL PEROXYACETATE	≤ 62	≥ 38				OP8			3105	
tert-AMYL PEROXYBENZOATE	≤ 100					OP5			3103	
tert-AMYL PEROXY-2-ETHYLHEXANOATE	≤ 100					OP7	+20	+25	3115	
tert-AMYL PEROXY-2-ETHYLHEXYL CARBONATE	≤ 100					OP7			3105	
tert-AMYL PEROXY ISOPROPYL CARBONATE	≤ 77	≥ 23				OP5			3103	
tert-AMYL PEROXYNEODECANOATE	≤ 77		≥ 23			OP7	0	+10	3115	
"	≤ 47	≥ 53				OP8	0	+10	3119	
tert-AMYL PEROXYPIVALATE	≤ 77		≥ 23			OP5	+10	+15	3113	
tert-AMYLPEROXY-3,5,5-TRIMETHYLHEXANOATE	≤ 100					OP7			3105	
tert-BUTYL CUMYL PEROXIDE	> 42 - 100					OP8			3107	
"	≤ 52			≥ 48		OP8			3108	
n-BUTYL-4,4-DI-(tert-BUTYLPEROXY)VALERATE	> 52 - 100					OP5			3103	
"	≤ 52			≥ 48		OP8			3108	
tert-BUTYL HYDROPEROXIDE	> 79 - 90				≥ 10	OP5			3103	13)
"	≤ 80	≥ 20				OP7			3105	4) 13)
"	≤ 79				> 14	OP8			3107	13) 23)
"	≤ 72				≥ 28	OP8			3109	13)
tert-BUTYL HYDROPEROXIDE + DI-tert-BUTYLPEROXIDE	< 82 + > 9				≥ 7	OP5			3103	13)

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
tert-BUTYL MONOPEROXYMALEATE	> 52 - 100					OP5			3102	3)
"	≤ 52	≥ 48				OP6			3103	
"	≤ 52			≥ 48		OP8			3108	
"	≤ 52 as a paste					OP8			3108	
tert-BUTYL PEROXYACETATE	> 52 - 77	≥ 23				OP5			3101	3)
"	> 32 - 52	≥ 48				OP6			3103	
"	≤ 32		≥ 68			OP8			3109	
tert-BUTYL PEROXYBENZOATE	> 77 - 100					OP5			3103	
"	> 52 - 77	≥ 23				OP7			3105	
"	≤ 52			≥ 48		OP7			3106	
tert-BUTYL PEROXYBUTYL FUMARATE	≤ 52	≥ 48				OP7			3105	
tert-BUTYL PEROXYCROTONATE	≤ 77	≥ 23				OP7			3105	
tert-BUTYL PEROXYDIETHYLACETATE	≤ 100					OP5	+ 20	+ 25	3113	
tert-BUTYL PEROXY-2-ETHYLHEXANOATE	> 52 - 100					OP6	+ 20	+ 25	3113	
"	> 32 - 52		≥ 48			OP8	+ 30	+ 35	3117	
"	≤ 52			≥ 48		OP8	+ 20	+ 25	3118	
"	≤ 32		≥ 68			OP8	+ 40	+ 45	3119	
tert-BUTYL PEROXY-2-ETHYLHEXANOATE + 2,2-di-(tert-BUTYLPEROXY)BUTANE	≤ 12 + ≤ 14	≥ 14		≥ 60		OP7			3106	
"	≤ 31 + ≤ 36		≥ 33			OP7	+ 35	+ 40	3115	
tert-BUTYL PEROXY-2-ETHYLHEXYLCARBONATE	≤ 100					OP7			3105	
tert-BUTYL PEROXYISOBUTYRATE	> 52 - 77		≥ 23			OP5	+ 15	+ 20	3111	3)
"	≤ 52		≥ 48			OP7	+ 15	+ 20	3115	
tert-BUTYLPEROXY ISOPROPYLCARBONATE	≤ 77	≥ 23				OP5			3103	

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) [1]	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Hazchem code)	Subsidiary risks and remarks
3,6,9-triethyl-3,6,9-trimethyl-1,4,7-triperoxonane	≤ 17	≥ 83				OP5	+30	-35	3111	
	≤ 42 as a paste, dispersible in water					OP5	+30	-35	3119	
DI-tert-BUTYL PEROXIDE	> 52 - 100					OP8			3107	
	≤ 52	≥ 48				OP8			3109	(+)
DI-tert-BUTYL PEROXYACELATE	≤ 52	≥ 48				OP7			3105	
2,2-di(tert-BUTYLPEROXY)BUTANE	≤ 52	≥ 48				OP6			3103	
1,4-bis(tert-BUTYLPEROXYCARBONYL)CYCLOHEXANE	≤ 52	≥ 48				OP5			3103	
1,1-Di(tert-BUTYLPEROXY)CYCLOHEXANE	> 80 - 100					OP5			3101	(+)
	≤ 72		≥ 28			OP5			3103	(+)
	> 52 - 80	≥ 20				OP5			3103	
	> 42 - 52	≥ 48				OP7			3105	
	≤ 42	≥ 10		≥ 45		OP7			3106	
	≤ 52	≥ 48				OP6			3109	
	≤ 27	≥ 33				OP6			3107	(+)
	≤ 13	≥ 11	≥ 76			OP8			3109	
1,1-di(tert-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE - tert-BUTYL 2-PEROXY-2 ETHYLHEXANOATE	> 90 - < 100	≤ 10				OP7			3105	
DI-n-BUTYL PEROXYDICARBONATE	> 27 - 52		≥ 38			OP7	-15	-5	3115	
	≤ 27		≥ 73			OP8	-10	-5	3117	
	≤ 42 as a stable dispersion in water (frozen)					OP8	-15	-5	3118	
DI-sec-BUTYL PEROXYDICARBONATE	> 52 - 100					OP4	-20	-10	3113	
	≤ 52		≥ 48			OP7	-15	-5	3115	

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
DIDECANOYL PEROXIDE	≤ 100					OP8	+30	35	3114	
2,2-DI-(4,4-DI-(tert-BUTYLPEROXY)-CYCLOHEXYL) PROPANE	≤ 42			≥ 58		OP7			3106	
"	≤ 22		≥ 78			OP8			3107	
DI-2,4-DICHLOROBENZOYL PEROXIDE	≤ 77				≥ 23	OP5			3102	3)
"	≤ 52 as a paste					OP8	+ 20	+ 35	3114	
"	≤ 52 as a paste with silicon oil					OP7			3106	
DI-(2-ETHOXYETHYL) PEROXYDICARBONATE	≤ 52		≥ 48			OP7	-10	0	3115	
DI-(2-ETHYLHEXYL) PEROXYDICARBONATE	≤ 77 - 100					OP5	-20	-10	3113	
"	≤ 77		≥ 23			OP7	-15	-5	3115	
"	≤ 62 as a stable dispersion in water					OP8	-15	-5	3119	
"	≤ 52 as a stable dispersion in water (frozen)					OP5	-15	-5	3120	
2,2-DIHYDROPEROXYPROPANE	≤ 27			≥ 73		OP5			3102	3)
DI-(1-HYDROXYCYCLOHEXYL) PEROXIDE	≤ 100					OP7			3106	
DIISOBUTYRYL PEROXIDE	≤ 52 - 52		≥ 48			OP5	-20	-10	3111	3)
"	≤ 32		≥ 68			OP7	-20	-10	3115	
DIISOPROPYLBENZENE DIHYDROPEROXIDE	≤ 82	≥ 5			≥ 5	OP7			3106	24)
DIISOPROPYL PEROXYDICARBONATE	≤ 52-100					OP2	-15	-5	3112	3)
"	≤ 52		≥ 44			OP7	-20	-10	3115	
"	≤ 32	≥ 68				OP7	-15	-5	3115	
DILAUROYL PEROXIDE	≤ 100					OP7			3106	
"	≤ 42 as a stable dispersion in water					OP8			3109	
DI-(3-METHOXYBUTYL) PEROXYDICARBONATE	≤ 52		≥ 48			OP7	-5	+5	3115	
DI-(4-METHYLBENZOYL) PEROXIDE	≤ 87				≥ 13	OP5	+30	+35	3112	3)

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
DI-(3-METHYLBENZOYL) PEROXIDE + BENZOYL (3-METHYLBENZOYL) PEROXIDE + DIBENZOYL PEROXIDE	≤ 20 + ≤ 18 + ≤ 4		≥ 58			OP7	+35	+40	3115	
DI-(4-METHYLBENZOYL) PEROXIDE	≤ 52 as a paste with silicone oil					OP7			3106	
2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY)HEXANE	≤ 82-100					OP5			3102	3)
"	≤ 82			≥ 18		OP7			3106	
"	≤ 82				≥ 18	OP5			3104	
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE	≤ 90-100					OP5			3103	
"	≤ 52-90	≥ 10				OP7			3105	
"	≤ 77			≥ 23		OP8			3108	
"	≤ 52	≥ 48				OP8			3109	
"	≤ 47 as a paste					OP8			3108	
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXYNE-3	≤ 86-100					OP5			3101	3)
"	≤ 52-86	≥ 14				OP5			3103	26)
"	≤ 52			≥ 48		OP7			3106	
2,5-DIMETHYL-2,5-DI-(2-ETHYLHEXANOYLPEROXY)HEXANE	≤ 100					OP5	+20	+25	3113	
2,5-DIMETHYL-2,5-DI-HYDROPEROXYHEXANE	≤ 82				≥ 18	OP6			3104	
2,5-DIMETHYL-2,5-DI-(3,5,5-TRIMETHYLHEXANOYLPEROXY)HEXANE	≤ 77	≥ 23				OP7			3105	
1,1-DIMETHYL-3-HYDROXYBUTYL PEROXYNEODEPTANOATE	≤ 52	≥ 48				OP8	0	+10	3117	
DIMYRISTYL PEROXYDICARBONATE	≤ 100					OP7	+20	−15	3116	
"	≤ 42 as a stable dispersion in water					OP8	+20	−15	3119	
DI-(2-NEODECANOYLPEROXYISOPROPYL) BENZENE	≤ 52	≥ 48				OP7	−10	0	3115	

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
DI-n-NONANOYL PEROXIDE	≤ 100					OP7	0	+10	3116	
DI-n-OCTANOYL PEROXIDE	≤ 100					OP5	+10	+15	3114	
DI-(2-PHENOXYETHYL) PEROXYDICARBONATE	> 85-100					OP5			3102	3)
"	≤ 85				≥ 15	OP7			3106	
DIPROPIONYL PEROXIDE	≤ 27		≥ 73			OP8	+15	+20	3117	
DI-n-PROPYL PEROXYDICARBONATE	≤ 100					OP5	-25	-15	3113	
"	≤ 77		≥ 23			OP5	-20	-10	3113	
DISUCCINIC ACID PEROXIDE	> 72-100					OP4			3102	2) 175
"	≤ 72				≥ 28	OP7	+10	+15	3116	
DI-(3,5,5-TRIMETHYLHEXANOYL) PEROXIDE	> 52-82	≥ 18				OP7	0	+10	3115	
"	≤ 52 as a stable dispersion in water					OP8	+10	+15	3119	
"	> 38-52	≥ 48				OP8	+10	+15	3119	
"	≥ 38	≥ 62				OP8	+20	+25	3119	
ETHYL 3,3-DI-(tert-AMYL)PEROXYBUTYRATE	≥ 67	≥ 33				OP7			3105	
ETHYL 3,3-DI-(tert-BUTYL)PEROXYBUTYRATE	> 77-100					OP5			3103	
"	≤ 77	≥ 23				OP7			3105	
"	≤ 52			≥ 48		OP7			3106	
1-(2-ETHYLHEXANOYLPEROXY)-1,3-DIMETHYLBUTYL PEROXYPIVALATE	≤ 52	≥ 48	≥ 10			OP7	-20	-10	3115	
(tert-HEXYL PEROXYNEODECANDATE	≤ 71	≥ 29				OP7	0	+10	3115	
(tert-HEXYL PEROXYPIVALATE	≤ 72		≥ 28			OP7	+10	+15	3115	
3-HYDROXY-1,1-DIMETHYLBUTYL PEROXYNEODECANDATE	≤ 77	≥ 23				OP7	-5	+5	3115	
"	≤ 52	≥ 44				OP8	-5	+5	3117	
"	≤ 52 as a stable dispersion in water					OP8	-5	+5	3119	

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%) [1]	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
ISOPROPYL sec-BUTYL PEROXYDICARBONATE +DI-sec-BUTYL PEROXYDICARBONATE +DIISOPROPYL PEROXYDICARBONATE	≤ 32 + ≤ 15 - 18 ≤ 12 - 15	≥ 55				OP7	-20	-10	3115	
"	≤ 52 + ≤ 25 + ≤ 22					OP5	-20	-10	3111	31
ISOPROPYLCUMYL HYDROPEROXIDE	≤ 72	≥ 28				OP8			3109	13)
p-MENTHYL HYDROPEROXIDE	> 72 - 100					OP7			3105	13)
"	≤ 72	≥ 28				OP8			3109	27)
METHYLCYCLOHEXANONE PEROXIDE(S)	≤ 67		≥ 28			OP7	+35	+40	3115	
METHYL ETHYL KETONE PEROXIDE(S)	see remark 4)	≥ 48				OP5			3101	3) 8) 13)
"	see remark 5)	≥ 55				OP7			3105	9)
"	see remark 10)	≥ 60				OP8			3107	13)
METHYL ISOBUTYL KETONE PEROXIDE(S)	≤ 62	≥ 19				OP7			3105	22)
METHYL ISOPROPYL KETONE PEROXIDE(S)	see remark 11)	≥ 70				OP8			3109	31)
ORGANIC PEROXIDE, LIQUID, SAMPLE						OP2			3103	11)
ORGANIC PEROXIDE, LIQUID, SAMPLE, TEMPERATURE CONTROLLED						OP2			3113	11)
ORGANIC PEROXIDE, SOLID, SAMPLE						OP2			3104	11)
ORGANIC PEROXIDE, SOLID, SAMPLE, TEMPERATURE CONTROLLED						OP2			3114	11)
3,3,5,7,7-PENTAMETHYL-1,2,4-TRIOXEPANE	≤ 100					OP4			3107	
PEROXYACETIC ACID, TYPE D, stabilized	≤ 43					OP7			3105	13) 14) 29)
PEROXYACETIC ACID, TYPE E, stabilized	≤ 43					OP8			3107	13) 15) 29)
PEROXYACETIC ACID, TYPE F, stabilized	≤ 43					OP8			3109	13) 16) 29)
PEROXYLAURIC ACID	≤ 100					OP8	+35	+40	3118	
PINANYL HYDROPEROXIDE	> 56 - 100					OP7			3105	13)
"	≤ 56	≥ 44				OP8			3109	
POLYETHER POLY-tert-BUTYLPEROXY-CARBONATE	≤ 52		≥ 48			OP8			3107	

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
1,1,3,3-TETRAMETHYLBUTYL HYDROPEROXIDE	≤ 100					OP7			3105	
1,1,3,3-TETRAMETHYLBUTYL PEROXY-2-ETHYLHEXANOATE	≤ 100					OP7	+15	+20	3115	
1,1,3,3-TETRAMETHYLBUTYL PEROXYNEODECANOATE	≤ 72		≥ 28			OP7	-5	+5	3115	
	≤ 52 as a stable dispersion in water					OP8	-5	+5	3119	
1,1,3,3-TETRAMETHYLBUTYL PEROXYPIVALATE	≤ 77	≥ 23				OP7	0	+10	3115	
3,6,9-TRIETHYL-3,6,9-TRIMETHYL-1,4,7-TRIPEROXONANE	≤ 17	≥ 18		≥ 65		OP8			3110	
3,6,9-TRIETHYL-3,6,9-TRIMETHYL-1,4,7-TRIPEROXONANE	≤ 42	≥ 58				OP7			3105	28)

Remarks (refer to the last column of the Table in 2.2.52.4):

1) *Diluent type B may always be replaced by diluent type A. The boiling point of diluent type B shall be at least 60°C higher than the SADT of the organic peroxide.*

2) *Available oxygen ≤ 4.7%*

3) *"EXPLOSIVE" subsidiary risk label required (Model No 1, see 5.2.2.2.2)*

4) *Diluent may be replaced by di-tert-butyl peroxide.*

5) *Available oxygen ≤ 9%*

6) *With ≤ 9% hydrogen peroxide, available oxygen ≤ 10%*

7) *Only non-metallic packagings allowed*

8) *Available oxygen > 10% and ≤ 10.7%, with or without water.*

9) *Available oxygen ≤ 10%, with or without water*

10) *Available oxygen ≤ 8.2%, with or without water*

11) *See 2.2.52.1.9.*

12) *Up to 2000 kg per receptacle assigned to ORGANIC PEROXIDE TYPE F on the basis of large scale tests.*

13) *"CORROSIVE" subsidiary risk label required (Model No 8, see 5.2.2.2.2)*

14) *Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (a)*

15) *Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (c)*

16) *Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (f).*

17) *Addition of water to this organic peroxide will decrease its thermal stability.*

18) *No "CORROSIVE" subsidiary risk label (Model No 8, see 5.2.2.2.2) required for concentrations below 80%*

19) *Mixtures with hydrogen peroxide, water and acid(s).*

20) *With diluent type A, with or without water*

21) *With ≥ 25% diluent type A by mass, and in addition ethylbenzene.*

22) *With ≥ 19% diluent type A by mass, and in addition methyl isobutyl ketone.*

23) *With ≤ 6% di-tert-butyl peroxide*

24) *With ≤ 8% 1-isopropylhydroperoxy-4-isopropylhydroxybenzene*

25) *Diluent type B with boiling point ≥ 110 °C*

26) *With ≤ 0.5% hydroperoxides content.*

27) *For concentrations more than 56%, "CORROSIVE" subsidiary risk label required (Model No 8, see 5.2.2.2.2)*

28) *Available active oxygen ≤ 7.6% in diluent type A having a 95% boil-off point in the range of 200 - 260 °C.*

29) *Not subject to the requirements of ADR for Class 5.2.*

30) *Diluent type B with boiling point ≥ 130 °C*

31) *Active oxygen ≤ 6.7%*

2.2.61 Class 6.1 Toxic substances

2.2.61.1 *Criteria*

2.2.61.1.1 The heading of Class 6.1 covers substances of which it is known by experience or regarding which it is presumed from experiments on animals that in relatively small quantities they are able by a single action or by action of short duration to cause damage to human health, or death by inhalation, by cutaneous absorption or by ingestion.

NOTE: *Genetically modified micro-organisms and organisms shall be assigned to this Class if they meet the conditions for this Class.*

2.2.61.1.2 Substances of Class 6.1 are subdivided as follows:

T Toxic substances without subsidiary risk:

- T1 Organic, liquid;
- T2 Organic, solid;
- T3 Organometallic substances;
- T4 Inorganic, liquid;
- T5 Inorganic, solid;
- T6 Liquid, used as pesticides;
- T7 Solid, used as pesticides;
- T8 Samples;
- T9 Other toxic substances;

TF Toxic substances, flammable:

- TF1 Liquid;
- TF2 Liquid, used as pesticides;
- TF3 Solid;

TS Toxic substances, self-heating, solid;

TW Toxic substances, which, in contact with water, emit flammable gases:

- TW1 Liquid;
- TW2 Solid;

TO Toxic substances, oxidizing:

- TO1 Liquid;
- TO2 Solid;

TC Toxic substances, corrosive:

- TC1 Organic, liquid;
- TC2 Organic, solid;
- TC3 Inorganic, liquid;
- TC4 Inorganic, solid;

TFC Toxic substances, flammable, corrosive;

TFW Toxic substances, flammable, which, in contact with water, emit flammable gases

Definitions

2.2.61.1.3 For the purposes of ADR:

LD_{50} (median lethal dose) for acute oral toxicity is the statistically derived single dose of a substance that can be expected to cause death within 14 days in 50 per cent of young adult albino rats when administered by the oral route. The LD_{50} value is expressed in terms of mass of test substance per mass of test animal (mg/kg);

LD_{50} for acute dermal toxicity is that dose of the substance which, administered by continuous contact for 24 hours with the bare skin of albino rabbits, is most likely to cause death within 14 days in one half of the animals tested. The number of animals tested shall be sufficient to give a statistically significant result and be in conformity with good pharmacological practice. The result is expressed in milligrams per kg body mass;

LC_{50} for acute toxicity on inhalation is that concentration of vapour, mist or dust which, administered by continuous inhalation to both male and female young adult albino rats for one hour, is most likely to cause death within 14 days in one half of the animals tested. A solid substance shall be tested if at least 10% (by mass) of its total mass is likely to be dust in a respirable range, e.g. the aerodynamic diameter of that particle-fraction is 10 µm or less. A liquid substance shall be tested if a mist is likely to be generated in a leakage of the transport containment. Both for solid and liquid substances more than 90% (by mass) of a specimen prepared for inhalation toxicity shall be in the respirable range as defined above. The result is expressed in milligrams per litre of air for dusts and mists or in millilitres per cubic metre of air (parts per million) for vapours.

Classification and assignment of packing groups

2.2.61.1.4 Substances of Class 6.1 shall be classified in three packing groups according to the degree of danger they present for carriage, as follows:

Packing group I:	highly toxic substances
Packing group II	toxic substances
Packing group III:	slightly toxic substances

2.2.61.1.5 Substances, mixtures, solutions and articles classified in Class 6.1 are listed in Table A of Chapter 3.2. The assignment of substances, mixtures and solutions not mentioned by name in Table A of Chapter 3.2 to the relevant entry of sub-section 2.2.61.3 and to the relevant packing group in accordance with the provisions of Chapter 2.1, shall be made according to the following criteria in 2.2.61.1.6 to 2.2.61.1.11.

2.2.61.1.6 To assess the degree of toxicity, account shall be taken of human experience of instances of accidental poisoning, as well as special properties possessed by any individual substance: liquid state, high volatility, any special likelihood of cutaneous absorption, and special biological effects.

2.2.61.1.7 In the absence of observations on humans, the degree of toxicity shall be assessed using the available data from animal experiments in accordance with the table below:

	Packing group	Oral toxicity LD_{50} (mg/kg)	Dermal toxicity LD_{50} (mg/kg)	Inhalation toxicity by dusts and mists LC_{50} (mg/l)
Highly toxic	I	≤ 5	≤ 50	≤ 0.2
Toxic	II	> 5 and ≤ 50	> 50 and ≤ 200	> 0.2 and ≤ 2
Slightly toxic	III*	> 50 and ≤ 300	> 200 and ≤ 1000	> 2 and ≤ 4

* *Tear gas substances shall be included in packing group II even if data concerning their toxicity correspond to packing group III criteria.*

2.2.61.1.7.1 Where a substance exhibits different degrees of toxicity for two or more kinds of exposure, it shall be classified under the highest such degree of toxicity.

2.2.61.1.7.2 Substances meeting the criteria of Class 8 and with an inhalation toxicity of dusts and mists (LC_{50}) leading to packing group I shall only be accepted for an allocation to Class 6.1 if the toxicity through oral ingestion or dermal contact is at least in the range of packing groups I or II. Otherwise an assignment to Class 8 shall be made if appropriate (see 2.2.8.1.5).

2.2.61.1.7.3 The criteria for inhalation toxicity of dusts and mists are based on LC_{50} data relating to 1 hour exposure, and where such information is available it shall be used. However, where only LC_{50} data relating to 4-hour exposure are available, such figures can be multiplied by four and the product substituted in the above criteria, i.e. LC_{50} value multiplied by four (4 hour) is considered the equivalent of LC_{50} (1 hour).

Inhalation toxicity of vapours

2.2.61.1.8 Liquids giving off toxic vapours shall be classified into the following groups where "V" is the saturated vapour concentration (in ml/m³) of air (volatility) at 20 °C and standard atmospheric pressure:

	Packing group	
Highly toxic	I	Where $V \geq 10 LC_{50}$ and $LC_{50} \leq 1\,000$ ml/m³
Toxic	II	Where $V \geq LC_{50}$ and $LC_{50} \leq 3\,000$ ml/m³ and the criteria for packing group I are not met
Slightly toxic	III*	Where $V \geq 1/5\ LC_{50}$ and $LC_{50} \leq 5\,000$ ml/m³ and the criteria for packing groups I and II are not met

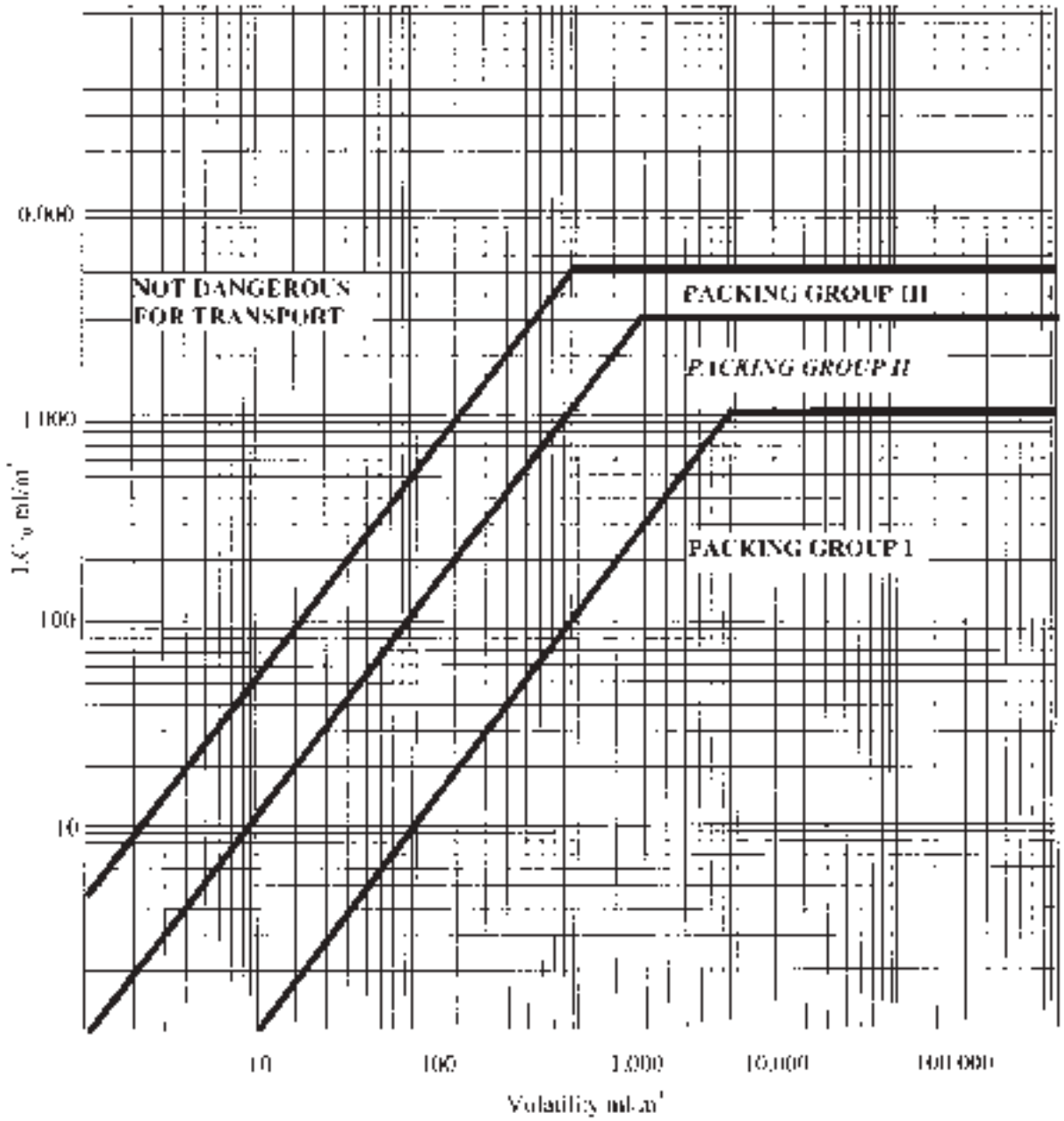
* *Tear gas substances shall be included in packing group II even if data concerning their toxicity correspond to packing group III criteria.*

These criteria for inhalation toxicity of vapours are based on LC_{50} data relating to 1-hour exposure and where such information is available, it shall be used.

However, where only LC_{50} data relating to 4-hour exposure to the vapours are available such figures can be multiplied by two and the product substituted in the above criteria (i.e. LC_{50} (4 hour) × 2 is considered the equivalent of LC_{50} (1 hour)).

In this figure the criteria are expressed in graphical form, as an aid to easy classification. However, due to approximations inherent in the use of graphs, substances falling on or near group borderlines shall be checked using numerical criteria.

GROUP BORDERLINES INHALATION TOXICITY OF VAPOURS



Mixtures of liquids

2.2.61.1.9 Mixtures of liquids which are toxic on inhalation shall be assigned to packing groups according to the following criteria:

2.2.61.1.9.1 If LC_{50} is known for each of the toxic substances constituting the mixture, the packing group may be determined as follows:

(a) calculation of the LC_{50} of the mixture:

$$LC_{50}\ (\text{mixture}) = \frac{1}{\sum_{i=1}^{n} \frac{f_i}{LC_{50_i}}}$$

where: f_i – molar fraction of constituent i of the mixture;

LC_{50_i} – average lethal concentration of constituent i in ml/m³;

(b) calculation of volatility of each mixture constituent:

$$V = P_i \times \frac{10^3}{101.3}\ (\text{ml/m}^3)$$

where: P_i – partial pressure of constituent i in kPa at 20 °C and at standard atmospheric pressure;

(c) calculation of the ratio of volatility to LC_{50}:

$$R = \sum_{i=1}^{n} \frac{V_i}{LC_{50_i}}$$

(d) the values calculated for LC_{50} (mixture) and R are then used to determine the packing group of the mixture:

Packing group I: R ≥ 10 and LC_{50} (mixture) ≤ 1 000 ml/m³;

Packing group II: R ≥ 1 and LC_{50} (mixture) ≤ 3 000 ml/m³, if the mixture does not meet the criteria for packing group I;

Packing group III: R ≥ 1/5 and LC_{50} (mixture) ≤ 5 000 ml/m³, if the mixture does not meet the criteria of packing groups I or II.

2.2.61.1.9.2 In the absence of LC_{50} data on the toxic constituent substances, the mixture may be assigned to a group based on the following simplified threshold toxicity tests. When these threshold tests are used, the most restrictive group shall be determined and used for carrying the mixture.

2.2.61.1.9.3 A mixture is assigned to packing group I only if it meets both of the following criteria:

(a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of 14 000 ml/m³ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than 1 000 ml/m³;

(b) A sample of vapour in equilibrium with the liquid mixture is diluted with 9 equal volumes of air to form a test atmosphere. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have a volatility equal to or greater than 10 times the mixture LC_{50}.

2.2.61.1.9.4 A mixture is assigned to packing group II only if it meets both of the following criteria, and does not meet the criteria for packing group I:

(a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of 3 000 ml/m³ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than 3 000 ml/m³;

(b) A sample of the vapour in equilibrium with the liquid mixture is used to form a test atmosphere. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have a volatility equal to or greater than the mixture LC_{50}.

2.2.61.1.9.5 A mixture is assigned to packing group III only if it meets both of the following criteria, and does not meet the criteria for packing groups I or II:

(a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of 5 000 ml/m³ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than 5 000 ml/m³;

(b) The vapour concentration (volatility) of the liquid mixture is measured and if the vapour concentration is equal to or greater than 1 000 ml/m³, the mixture is presumed to have a volatility equal to or greater than 1/5 the mixture LC_{50}.

Methods for determining oral and dermal toxicity of mixtures

2.2.61.1.10 When classifying and assigning the appropriate packing group to mixtures in Class 6.1 in accordance with the oral and dermal toxicity criteria (see 2.2.61.1.9), it is necessary to determine the acute LD_{50} of the mixture.

2.2.61.1.10.1 If a mixture contains only one active substance, and the LD_{50} of that constituent is known, in the absence of reliable acute oral and dermal toxicity data on the actual mixture to be carried, the oral or dermal LD_{50} may be obtained by the following method:

$$LD_{50} \text{ value of preparation} = \frac{LD_{50} \text{ value of active substance} \times 100}{\text{percentage of active substance by mass}}$$

2.2.61.1.10.2 If a mixture contains more than one active constituent, there are three possible approaches that may be used to determine the oral or dermal LD_{50} of the mixture. The preferred method is to obtain reliable acute oral and dermal toxicity data on the actual mixture to be carried. If reliable, accurate data are not available, then either of the following methods may be performed:

(a) Classify the formulation according to the most hazardous constituent of the mixture as if that constituent were present in the same concentration as the total concentration of all active constituents; or

(b) Apply the formula:

$$\frac{C_A}{T_A} + \frac{C_B}{T_B} + \ldots + \frac{C_Z}{T_Z} = \frac{100}{T_M}$$

where:

C = the percentage concentration of constituent A, B, ..., Z in the mixture,

T = the oral LD_{50} values of constituent A, B, ... Z;

T_M = the oral LD_{50} value of the mixture.

NOTE: *This formula can also be used for dermal toxicities provided that this information is available on the same species for all constituents. The use of this formula does not take into account any potentiation or protective phenomena.*

Classification of pesticides

2.2.61.1.11 All active pesticide substances and their preparations for which the LC_{50} and/or LD_{50} values are known and which are classified in Class 6.1 shall be classified under appropriate packing groups in accordance with the criteria given in 2.2.61.1.6 to 2.2.61.1.9. Substances and preparations which are characterized by subsidiary risks shall be classified according to the precedence of hazard Table in 2.1.3.10 with the assignment of appropriate packing groups.

2.2.61.1.11.1 If the oral or dermal LD_{50} value for a pesticide preparation is not known, but the LD_{50} value of its active substance(s) is known, the LD_{50} value for the preparation may be obtained by applying the procedures in 2.2.61.1.10.

NOTE: *LD_{50} toxicity data for a number of common pesticides may be obtained from the most current edition of the document "The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification" available from the International Programme on Chemical Safety, World Health Organization (WHO), 1211 Geneva 27, Switzerland. While that document may be used as a source of LD_{50} data for pesticides, its classification system shall not be used for purposes of transport classification of, or assignment of packing groups to, pesticides, which shall be in accordance with the requirements of 2.2.61.*

2.2.61.1.11.2 The proper shipping name used in the carriage of the pesticide shall be selected on the basis of the active ingredient, of the physical state of the pesticide and any subsidiary risks it may exhibit (see 3.1.2).

2.2.61.1.12 If substances of Class 6.1, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: *For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.*

2.2.61.1.13 On the basis of the criteria of 2.2.61.1.6 to 2.2.61.1.11, it may also be determined whether the nature of a solution or mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the requirements for this Class.

2.2.61.1.14 Substances, solutions and mixtures, with the exception of substances and preparations used as pesticides, which do not meet the criteria of Directives 67/548/EEC[3] or 1999/45/EC[4] as amended and which are not therefore classified as highly toxic, toxic or harmful according to these directives, as amended, may be considered as substances not belonging to Class 6.1.

2.2.61.2 ***Substances not accepted for carriage***

2.2.61.2.1 Chemically unstable substances of Class 6.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall in particular be ensured that receptacles and tanks do not contain any substance(s) likely to cause such a reaction.

2.2.61.2.2 The following substances and mixtures shall not be accepted for carriage:

- Hydrogen cyanide, anhydrous or in solution, which do not meet the descriptions of UN Nos. 1051, 1613, 1614 and 3294;
- metal carbonyls, having a flash-point below 23 °C, other than UN Nos. 1259 NICKEL CARBONYL and 1994 IRON PENTACARBONYL;
- 2,3,7,8-TETRACHLORODIBENZO-P-DIOXINE (TCDD) in concentrations considered highly toxic in accordance with the criteria in 2.2.61.1.7;
- UN No. 2249 DICHLORODIMETHYL ETHER, SYMMETRICAL;
- preparations of phosphides without additives inhibiting the emission of toxic flammable gases.

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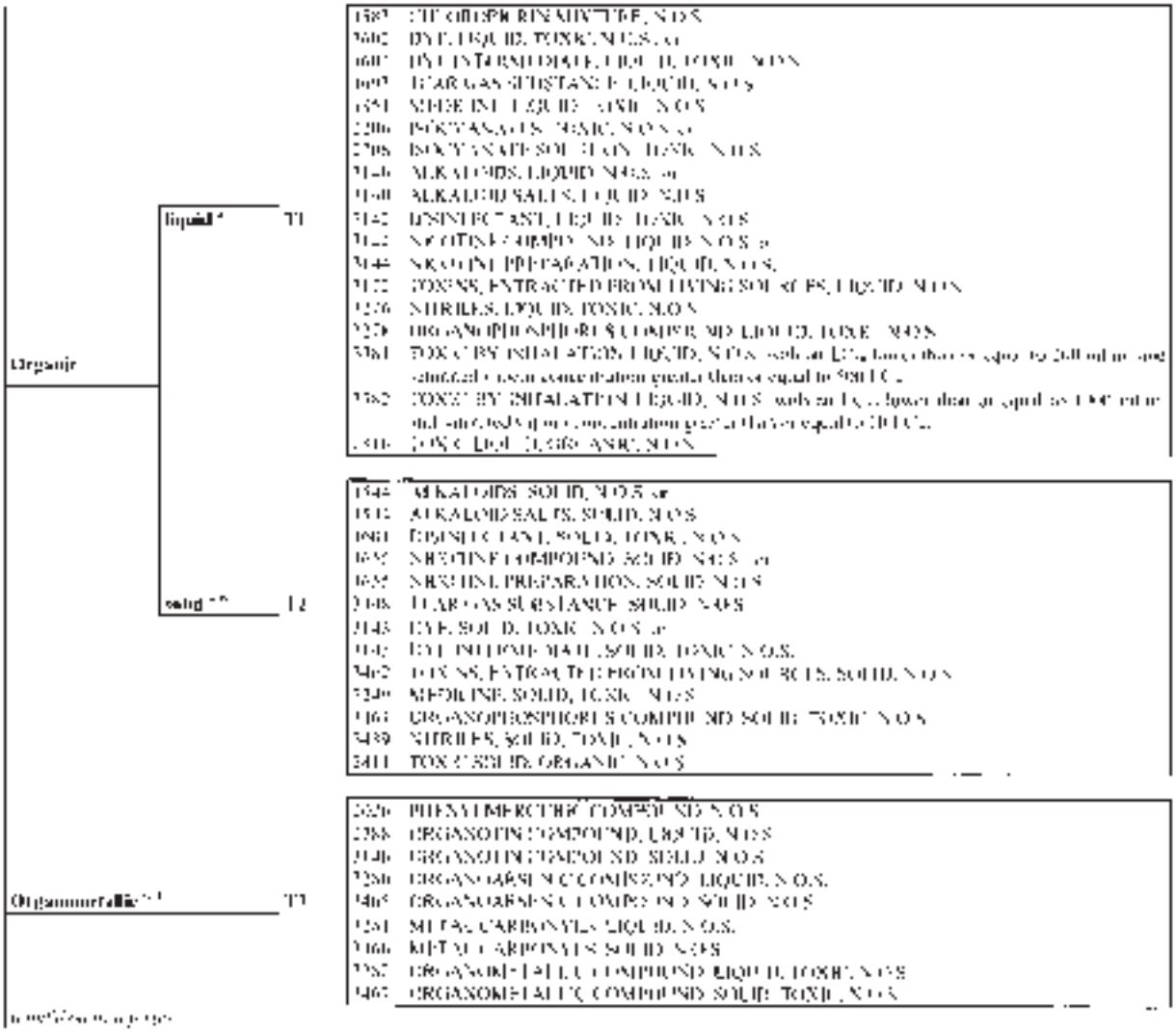
[3] *Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. L 196 of 16.08.1967).*

[4] *Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 on the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200 of 30 July 1999).*

2.2.61.3 *List of collective entries*

Toxic substances without subsidiary risk(s)



[a] *Substances and preparations containing alkaloids or nicotine used as pesticides shall be classified under UN No. 2588 PESTICIDES, SOLID, TOXIC, N.O.S., UN No. 2902 PESTICIDES, LIQUID, TOXIC, N.O.S. or UN No. 2903 PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.*

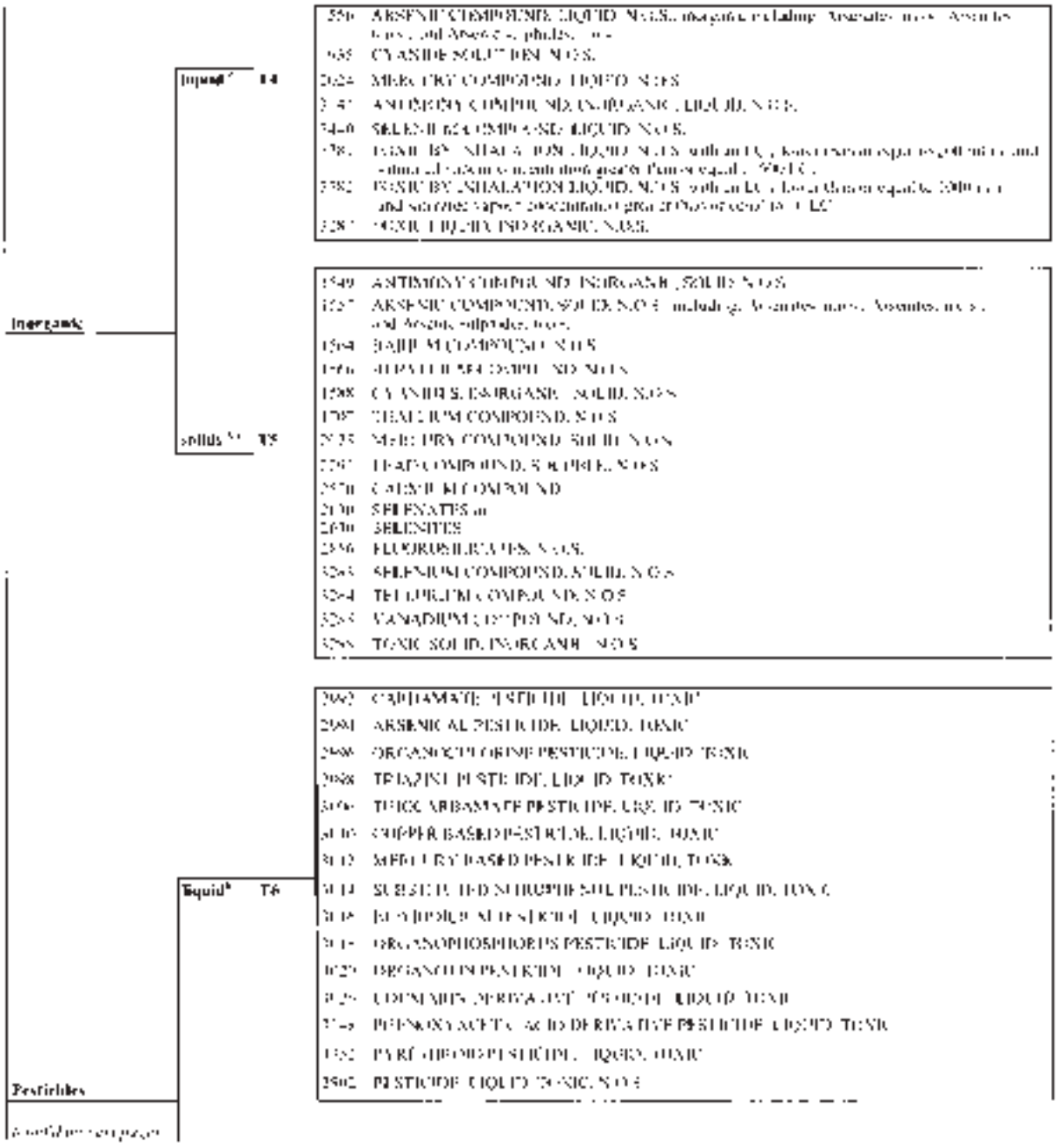
[b] *Active substances and formulations of mixtures of substances intended for laboratories and experiments and for the manufacture of pharmaceutical products with other substances shall be classified according to these testing rules 2.2.61.1.7 to 2.2.61.1.11).*

[c] *Self-heating substances, slightly toxic and spontaneously combustible organometallic compounds, are substances of Class 4.2*

[d] *Water-reactive substances, slightly toxic and water reactive organometallic compounds, are substances of Class 4.3*

2.2.61.3 *List of collective entries (cont'd)*

Toxic substances without subsidiary risk(s) *(cont'd)*



[a] *Mercuric fulminate, wetted with not less than 20% water, or mixture of alcohol and water, by mass, is a substance of Class 1, UN No. 0135.*

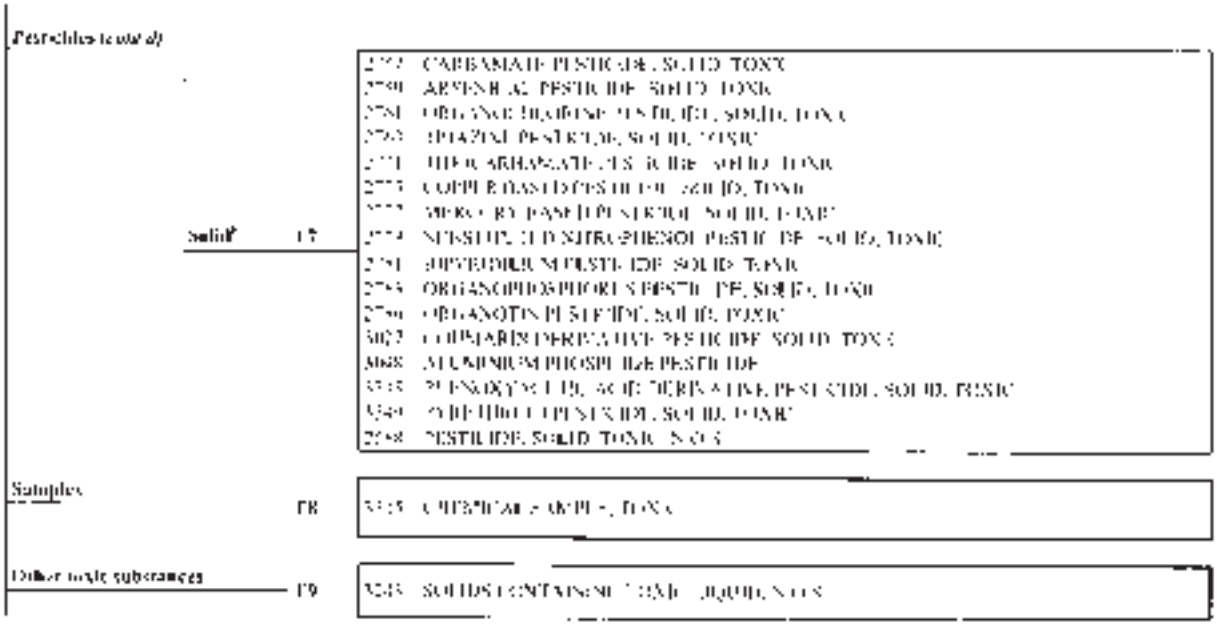
[b] *Ferric arsenate, ferric arsenite, alkaline dithiocarbamates and cacodylic acid and its salts are not subject to the provisions of ADR.*

[c] *Lead salts and lead pigments which, when mixed in a ratio of 1:1,000 with 0.07M hydrochloric acid and stirred for one hour at a temperature of 23 °C ± 2 °C, exhibit a solubility of 5% or less, are not subject to the provisions of ADR.*

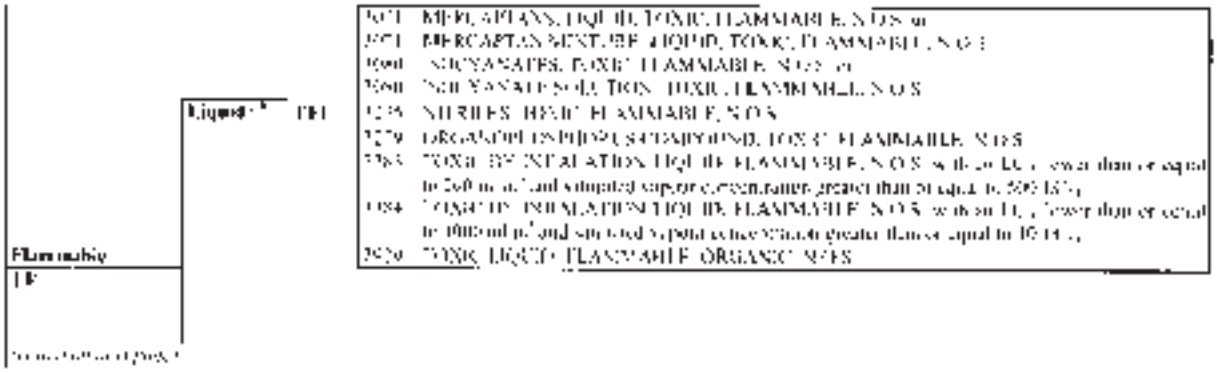
[d] *Articles impregnated with this substance, such as fibreboard plates, paper strips, cotton waste, bulk, sheets of plastics material, in hermetically closed receptacles, are not subject to the provisions of ADR.*

2.2.61.3 *List of collective entries (cont'd)*

Toxic substances without subsidiary risk(s) *(cont'd)*



Toxic substances with subsidiary risk(s)



[a] *Articles impregnated with this pesticide, such as fibreboard plates, paper strips, cotton-wool balls, sheets of plastics material, in hermetically closed packagings are not subject to the provisions of ADR.*

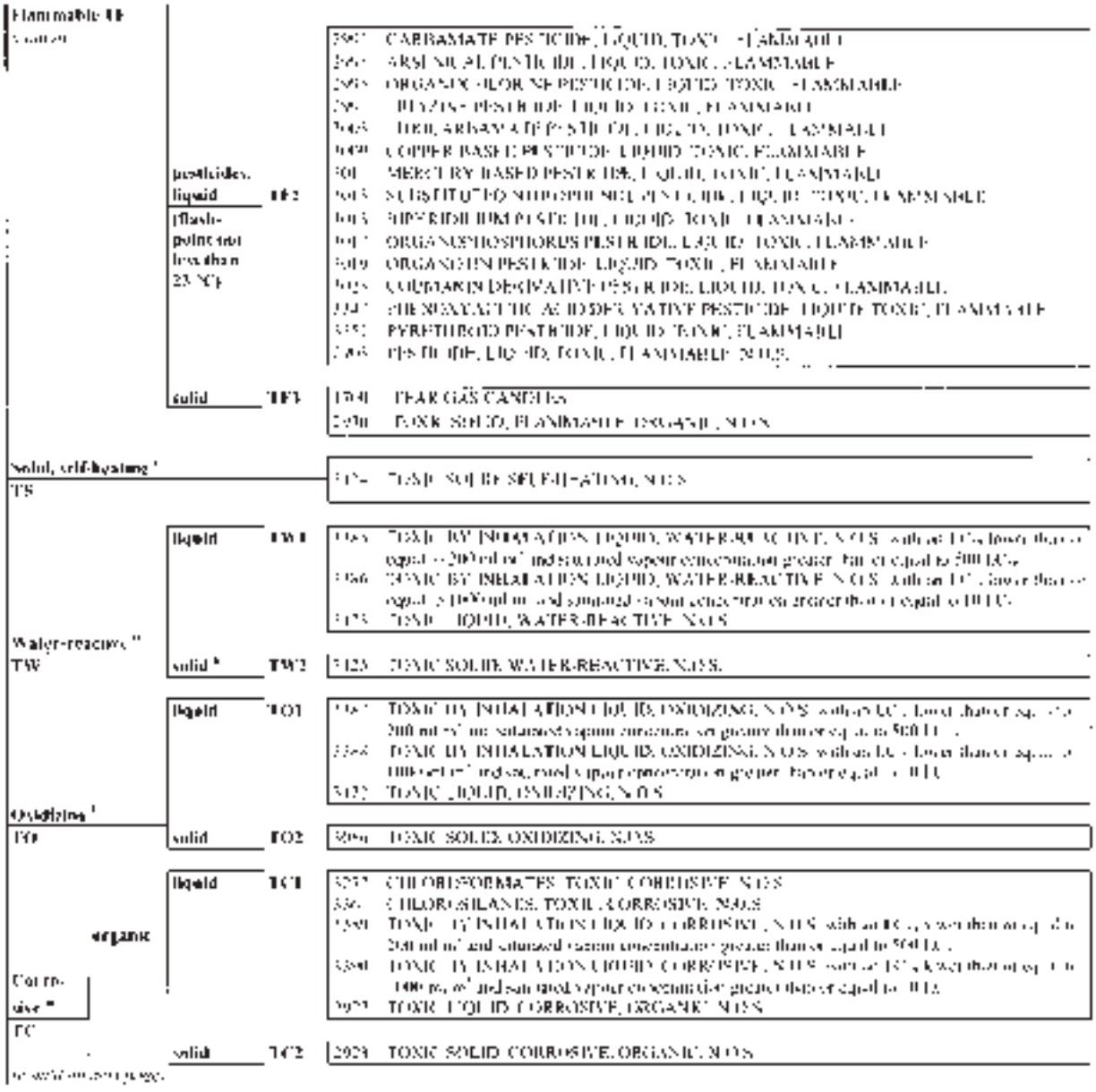
[b] *Mixtures of solids which are not subject to the provisions of ADR and of toxic liquids may be carried under UN No. 3243 without first applying the classification criteria of Class 6.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, container or transport unit is closed. Each packaging shall correspond to a design type that has passed a leakproofness test at the packing group II level. This entry shall not be used for solids containing a packing group I liquid.*

[c] *Highly toxic or toxic, flammable liquids having a flash-point below 23 °C excluding substances which are highly toxic on inhalation, i.e. UN Nos. 1051, 1092, 1098, 1143, 1163, 1182, 1185, 1238, 1239, 1244, 1251, 1259, 1613, 1614, 1695, 1994, 2334, 2382, 2407, 2438, 2480, 2482, 2484, 2485, 2606, 2929, 3279 and 3294 are substances of Class 3.*

[d] *Flammable liquids, slightly toxic, with the exception of substances and preparations used as pesticides, having a flash-point between 23 °C and 60 °C inclusive, are substances of Class 3.*

2.2.61.3 ***List of collective entries (cont'd)***

Toxic substances with subsidiary risk(s) (cont'd)



[5] *Self-heating substances, slightly toxic and spontaneously combustible organometallic compounds, are substances of Class 4.2.*

[6] *Water-reactive substances, slightly toxic, and water-reactive organometallic compounds, are substances of Class 4.3.*

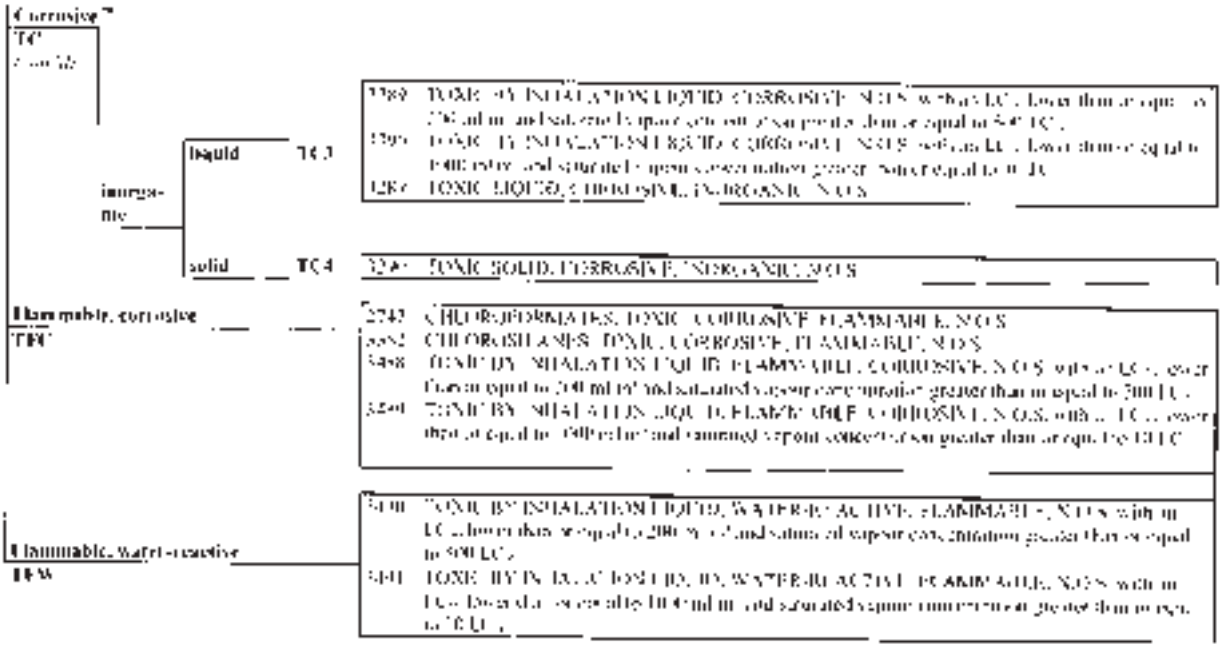
[7] *Oxidizing substances, slightly toxic, are substances of Class 5.1.*

[9] *Substances slightly toxic and slightly corrosive are substances of Class 8.*

[8] *Metal phosphides assigned to UN Nos. 1360, 1397, 1432, 1714, 2011 and 3048 are substances of Class 4.3.*

2.2.61.3 *List of collective entries (cont'd)*

Toxic substances with subsidiary risk(s) (cont'd)



2.2.62 **Class 6.2 Infectious substances**

2.2.62.1 *Criteria*

2.2.62.1.1 The heading of Class 6.2 covers infectious substances. For the purposes of ADR, infectious substances are substances which are known or are reasonably expected to contain pathogens. Pathogens are defined as micro-organisms (including bacteria, viruses, rickettsiae, parasites, fungi) and other agents such as prions, which can cause disease in humans or animals.

NOTE 1: *Genetically modified micro-organisms and organisms, biological products, diagnostic specimens and infected live animals shall be assigned to this Class if they meet the conditions for this class.*

NOTE 2: *Toxins from plant, animal or bacterial sources which do not contain any infectious substances or organisms or which are not contained in them are substances of Class 6.1, UN Nos. 3172 to 3462.*

2.2.62.1.2 Substances of Class 6.2 are subdivided as follows:

I1 Infectious substances affecting humans;

I2 Infectious substances affecting animals only;

I3 Clinical waste;

I4 Biological substances.

Definitions

[m] *Substances slightly toxic and slightly corrosive, are substances of Class 8.*

2.2.62.1.3 For the purposes of ADR,

"Biological products" are those products derived from living organisms which are manufactured and distributed in accordance with the requirements of appropriate national authorities, which may have special licensing requirements, and are used either for prevention, treatment, or diagnosis of disease in humans or animals, or for development, experimental or investigational purposes related thereto. They include, but are not limited to, finished or unfinished products such as vaccines;

"Cultures" are the result of a process by which pathogens are intentionally propagated. This definition does not include human or animal patient specimens as defined in this paragraph;

"Medical or clinical wastes" are wastes derived from the medical treatment of animals or humans or from bio-research;

"Patient specimens" are human or animal materials, collected directly from humans or animals, including, but not limited to, excreta, secreta, blood and its components, tissue and tissue fluid swabs, and body parts being carried for purposes such as research, diagnosis, investigational activities, disease treatment and prevention.

Classification

2.2.62.1.4 Infectious substances shall be classified in Class 6.2 and assigned to UN Nos. 2814, 2900, 3291 or 3373, as appropriate.

Infectious substances are divided into the following categories.

2.2.62.1.4.1 Category A: An infectious substance which is carried in a form that, when exposure to it occurs, is capable of causing permanent disability, life-threatening or fatal disease in otherwise healthy humans or animals. Indicative examples of substances that meet these criteria are given in the table in this paragraph.

NOTE: *An exposure occurs when an infectious substance is released outside of the protective packaging, resulting in physical contact with humans or animals.*

(a) Infectious substances meeting these criteria which cause disease in humans or both in humans and animals shall be assigned to UN No. 2814. Infectious substances which cause disease only in animals shall be assigned to UN No. 2900.

(b) Assignment to UN No. 2814 or UN No. 2900 shall be based on the known medical history and symptoms of the source human or animal, endemic local conditions, or professional judgement concerning individual circumstances of the source human or animal.

NOTE 1: *The proper shipping name for UN No. 2814 is "INFECTIOUS SUBSTANCE, AFFECTING HUMANS". The proper shipping name for UN No. 2900 is "INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only".*

NOTE 2: *The following table is not exhaustive. Infectious substances, including new or emerging pathogens, which do not appear in the table but which meet the same criteria shall be assigned to Category A. In addition, if there is doubt as to whether or not a substance meets the criteria it shall be included in Category A.*

NOTE 3: *In the following table, the microorganisms written in italics are bacteria, mycoplasmas, rickettsia or fungi.*

INDICATIVE EXAMPLES OF INFECTIOUS SUBSTANCES INCLUDED IN CATEGORY A IN ANY FORM UNLESS OTHERWISE INDICATED
(2.2.62.1.4.1)

UN Number and name	Microorganism
UN No. 2814 Infectious substances affecting humans	*Bacillus anthracis* (cultures only)
	Brucella abortus (cultures only)
	Brucella melitensis (cultures only)
	Brucella suis (cultures only)
	Burkholderia mallei – *Pseudomonas mallei* – Glanders (cultures only)
	Burkholderia pseudomallei – *Pseudomonas pseudomallei* (cultures only)
	Chlamydia psittaci - avian strains (cultures only)
	Clostridium botulinum (cultures only)
	Coccidioides immitis (cultures only)
	Coxiella burnetii (cultures only)
	Crimean-Congo haemorrhagic fever virus
	Dengue virus (cultures only)
	Eastern equine encephalitis virus (cultures only)
	Escherichia coli, verotoxigenic (cultures only) [1]
	Ebola virus
	Flexal virus
	Francisella tularensis (cultures only)
	Guanarito virus
	Hantaan virus
	Hantavirus causing haemorrhagic fever with renal syndrome
	Hendra virus
	Hepatitis B virus (cultures only)
	Herpes B virus (cultures only)
	Human immunodeficiency virus (cultures only)
	Highly pathogenic avian influenza virus (cultures only)
	Japanese Encephalitis virus (cultures only)
	Junin virus
	Kyasanur Forest disease virus
	Lassa virus
	Machupo virus
	Marburg virus
	Monkeypox virus
	Mycobacterium tuberculosis (cultures only) [1]
	Nipah virus
	Omsk haemorrhagic fever virus
	Poliovirus (cultures only)
	Rabies virus (cultures only)
	Rickettsia prowazekii (cultures only)
	Rickettsia rickettsii (cultures only)
	Rift Valley fever virus (cultures only)
	Russian spring-summer encephalitis virus (cultures only)
	Sabia virus
	Shigella dysenteriae type 1 (cultures only) [1]
	Tick-borne encephalitis virus (cultures only)
	Variola virus
	Venezuelan equine encephalitis virus (cultures only)
	West Nile virus (cultures only)
	Yellow fever virus (cultures only)
	Yersinia pestis (cultures only)

[1] *Nevertheless, when the cultures are intended for diagnostic or clinical purposes, they may be assigned as infectious substances of Category B.*

INDICATIVE EXAMPLES OF INFECTIOUS SUBSTANCES INCLUDED IN CATEGORY A IN ANY FORM UNLESS OTHERWISE INDICATED (2.2.62.1.4.1)	
UN Number and name	**Microorganism**
UN No. 2900 Infectious substances affecting animals only	African swine fever virus (cultures only) Avian paramyxovirus Type 1 - Velogenic Newcastle disease virus (cultures only) Classical swine fever virus (cultures only) Foot and mouth disease virus (cultures only) Lumpy skin disease virus (cultures only) *Mycoplasma mycoides* - Contagious bovine pleuropneumonia (cultures only) Peste des petits ruminants virus (cultures only) Rinderpest virus (cultures only) Sheep-pox virus (cultures only) Goatpox virus (cultures only) Swine vesicular disease virus (cultures only) Vesicular stomatitis virus (cultures only)

2.2.62.1.4.2 Category B: An infectious substance which does not meet the criteria for inclusion in Category A. Infectious substances in Category B shall be assigned to UN No. 3373.

NOTE: The proper shipping name of UN No. 3373 is "BIOLOGICAL SUBSTANCE, CATEGORY B".

2.2.62.1.5 *Exemptions*

2.2.62.1.5.1 Substances which do not contain infectious substances or substances which are unlikely to cause disease in humans or animals are not subject to the provisions of ADR unless they meet the criteria for inclusion in another class.

2.2.62.1.5.2 Substances containing microorganisms which are non pathogenic to humans or animals are not subject to ADR unless they meet the criteria for inclusion in another class.

2.2.62.1.5.3 Substances in a form that any present pathogens have been neutralized or inactivated such that they no longer pose a health risk are not subject to ADR unless they meet the criteria for inclusion in another class.

NOTE: *Medical equipment which has been drained of free liquid is deemed to meet the requirements of this paragraph and is not subject to the provisions of ADR.*

2.2.62.1.5.4 Substances where the concentration of pathogens is at a level naturally encountered (including foodstuff and water samples) and which are not considered to pose a significant risk of infection are not subject to ADR unless they meet the criteria for inclusion in another class.

2.2.62.1.5.5 Dried blood spots, collected by applying a drop of blood onto absorbent material, or faecal occult blood screening tests and blood or blood components which have been collected for the purposes of transfusion or for the preparation of blood products to be used for transfusion or transplantation and any tissues or organs intended for use in transplantation are not subject to the provisions of ADR.

2.2.62.1.5.6 Human or animal specimens for which there is minimal likelihood that pathogens are present are not subject to ADR if the specimen is carried in a packaging which will prevent any leakage and which is marked with the words "Exempt human specimen" or "Exempt animal specimen", as appropriate.

The packaging is deemed to comply with the above requirements if it meets the following conditions:

(a) The packaging consists of three components:

(i) a leak-proof primary receptacle(s);

(ii) a leak-proof secondary packaging; and

(iii) an outer packaging of adequate strength for its capacity, mass and intended use, and with at least one surface having minimum dimensions of 100 mm × 100 mm;

(b) For liquids, absorbent material in sufficient quantity to absorb the entire contents is placed between the primary receptacle(s) and the secondary packaging so that, during carriage, any release or leak of a liquid substances will not reach the outer packaging and will not compromise the integrity of the cushioning material;

(c) When multiple fragile primary receptacles are placed in a single secondary packaging, they are either individually wrapped or separated to prevent contact between them.

NOTE 1: *An element of professional judgment is required to determine if a substance is exempt under this paragraph. That judgment should be based on the known medical history, symptoms and individual circumstances of the source, human or animal, and endemic local conditions. Examples of specimens which may be carried under this paragraph include the blood or urine tests to monitor cholesterol levels, blood glucose levels, hormone levels, or prostate specific antibodies (PSA), those required to monitor organ function such as heart, liver or kidney function for humans or animals with non-infectious diseases, or for therapeutic drug monitoring, those conducted for insurance or employment purposes and are intended to determine the presence of drugs or alcohol; pregnancy test kits; biopsies to detect cancer; and antibody detection in humans or animals in the absence of any concern for infection (e.g. evaluation of vaccine induced immunity, diagnosis of autoimmune disease, etc.).*

NOTE 2: *For air transport, packagings for specimens exempted under this paragraph shall meet the conditions set out in 1.1.*

2.2.62.1.5.7 Except for:

(a) Medical waste (UN No. 3291);

(b) Medical devices or equipment contaminated with or containing infectious substances in Category A (UN No. 2814 or UN No. 2900); and

(c) Medical devices or equipment contaminated with or containing other dangerous goods that meet the definition of another class.

medical devices or equipment potentially contaminated with or containing infectious substances which are being carried for disinfection, cleaning, sterilization, repair, or equipment evaluation are not subject to provisions of ADR other than those of this paragraph if packed in packagings designed and constructed in such a way that, under normal conditions of carriage, they cannot break, be punctured or leak their contents. Packagings shall be designed to meet the construction requirements listed in 6.1.4 or 6.6.5.

These packagings shall meet the general packing requirements of 4.1.1.1 and 4.1.1.2 and be capable of retaining the medical devices and equipment when dropped from a height of 1.2 m.

The packagings shall be marked "USED MEDICAL DEVICE" or "USED MEDICAL EQUIPMENT". When using overpacks, these shall be marked in the same way, except when the inscription remains visible.

2.2.62.1.6 to 2.2.62.1.8 *(Reserved)*

2.2.62.1.9 *Biological products*

For the purposes of ADR, biological products are divided into the following groups:

(a) those which are manufactured and packaged in accordance with the requirements of appropriate national authorities and carried for the purposes of final packaging or distribution, and use for personal health care by medical professionals or individuals. Substances in this group are not subject to the provisions of ADR;

(b) those which do not fall under paragraph (a) and are known or reasonably believed to contain infectious substances and which meet the criteria for inclusion in Category A or Category B. Substances in this group shall be assigned to UN Nos. 2814, 2900 or 3373, as appropriate.

NOTE: *Some licensed biological products may present a hazard only to certain parts of the world. In that case, competent authorities may require these biological products to be in compliance with local requirements for infectious substances or may impose other restrictions.*

2.2.62.1.10 *Genetically modified microorganisms and organisms*

Genetically modified microorganisms not meeting the definition of infectious substance shall be classified according to section 2.2.9.

2.2.62.1.11 *Medical or clinical wastes*

2.2.62.1.11.1 Medical or clinical wastes containing Category A infectious substances shall be assigned to UN No. 2814 or UN No. 2900, as appropriate. Medical or clinical wastes containing infectious substances in Category B shall be assigned to UN No. 3291.

NOTE: *Medical or clinical wastes assigned to entries 18 01 03 (Wastes from human or animal health care and/or related research – wastes from hand care, diagnosis, treatment or prevention of disease in humans – wastes whose collection and disposal is subject to special requirements in order to prevent infection) or 18 02 02 (Wastes from human or animal health care and/or related research – wastes from research, diagnosis, treatment or prevention of disease involving animals – wastes whose collection and disposal is subject to special requirements in order to prevent infection) according to the list of wastes annexed to the Commission Decision 2000/532/EC[2] as amended, shall be classified according to the provisions set out in this paragraph, based on the medical or veterinary diagnosis concerning the patient or the animal.*

2.2.62.1.11.2 Medical or clinical wastes which are reasonably believed to have a low probability of containing infectious substances shall be assigned to UN No. 3291. For the assignment, international, regional or national waste catalogues may be taken into account.

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[2] *Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste (replaced by the Directive 2006/12/EC of the European Parliament and of the Council) (Official Journal of the European Union No. L 114 of 27 April 2006, page 9) and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (Official Journal of the European Communities No. L 226 of 6 September 2000, page 3).*

NOTE 1: The proper shipping name for UN No. 3291 is "CLINICAL WASTE UNSPECIFIED, N.O.S." or "(BIO) MEDICAL WASTE, N.O.S." or "REGULATED MEDICAL WASTE, N.O.S."

***NOTE** 2: Notwithstanding the classification criteria set out above, medical or clinical wastes assigned to number 18 01 04 (Wastes from human or animal health care and/or related research – wastes from med care, diagnosis, treatment or prevention of disease in humans – wastes whose collection and disposal is not subject to special requirements in order to prevent infection) or 18 02 03 (Wastes from human or animal health care and/or related research – wastes from research, diagnosis, treatment or prevention of disease involving animals – wastes whose collection and disposal is not subject to special requirements in order to prevent infection) according to the list of wastes annexed to the Commission Decision 2000/532/EC[5] as amended, are not subject to the provisions of ADR.*

2.2.62.1.11.3 Decontaminated medical or clinical wastes which previously contained infectious substances are not subject to the provisions of ADR unless they meet the criteria for inclusion in another class.

2.2.62.1.11.4 Medical or clinical wastes assigned to UN No. 3291 are assigned to packing group II.

2.2.62.1.12 *Infected animals*

2.2.62.1.12.1 Unless an infectious substance cannot be consigned by any other means, live animals shall not be used to consign such a substance. A live animal which has been intentionally infected and is known or suspected to contain an infectious substance shall only be carried under terms and conditions approved by the competent authority[6].

2.2.62.1.12.2 Animal material affected by pathogens of Category A or by pathogens which would be assigned to Category A in cultures only, shall be assigned to UN 2814 or UN 2900 as appropriate. Animal material affected by pathogens of Category B, other than those which would be assigned to Category A if they were in cultures, shall be assigned to UN 2373.

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[5] *Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous wastes pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (Official Journal of the European Communities No. L 226 of 6 September 2000, page 3).*

[6] *Regulations governing the carriage of live animals are contained, e.g. Directive 91/628/EEC of 19 November 1991 on the protection of animals during transport (Official Journal of the European Communities No. L 340 of 11.12.1991, p. 17) and in the Recommendations of the Council of Europe (Ministerial Committee on the Carriage of Certain Animal Species).*

2.2.62.2 *Substances not accepted for carriage*

Live vertebrate or invertebrate animals shall not be used to carry an infectious agent unless the agent cannot be carried by other means or unless this carriage has been approved by the competent authority (see 2.2.62.1.12.1).

2.2.62.3 *List of collective entries*

Effects on humans	I1	2900 INFECTIOUS SUBSTANCE AFFECTING HUMANS
Effects on animals only	I2	2900 INFECTIOUS SUBSTANCE AFFECTING ANIMALS only
Clinical waste	I3	629 CLINICAL WASTE UNSPECIFIED NOS 630 LIMITED MEDICAL WASTE NOS 629 REGULATED MEDICAL WASTE NOS
Biological substances	I4	3373 BIOLOGICAL SUBSTANCE CATEGORY B

2.2.7 Class 7 Radioactive material

2.2.7.1 *Definitions*

2.2.7.1.1 *Radioactive material* means any material containing radionuclides where both the activity concentration and the total activity in the consignment exceed the values specified in 2.2.7.2.2.1 to 2.2.7.2.2.6.

2.2.7.1.2 *Contamination*

Contamination means the presence of a radioactive substance on a surface in quantities in excess of 0.4 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 0.04 Bq/cm² for all other alpha emitters.

Non-fixed contamination means contamination that can be removed from a surface during routine conditions of carriage.

Fixed contamination means contamination other than non-fixed contamination.

2.2.7.1.3 *Definitions of specific terms*

A_1 and A_2:

A_1 means the activity value of special form radioactive material which is listed in the Table in 2.2.7.2.2.1 or derived in 2.2.7.2.2.2 and is used to determine the activity limits for the requirements of ADR.

A_2 means the activity value of radioactive material, other than special form radioactive material, which is listed in the Table in 2.2.7.2.2.1 or derived in 2.2.7.2.2.2 and is used to determine the activity limits for the requirements of ADR.

Fissile nuclides means uranium-233, uranium-235, plutonium-239 and plutonium-241. *Fissile material* means a material containing any of the fissile nuclides. Excluded from the definition of fissile material are:

(a) Natural uranium or depleted uranium which is unirradiated; and

(b) Natural uranium or depleted uranium which has been irradiated in thermal reactors only.

Low dispersible radioactive material means either a solid radioactive material or a solid radioactive material in a sealed capsule, that has limited dispersibility and is not in powder form.

Low specific activity (LSA) material means radioactive material which by its nature has a limited specific activity, or radioactive material for which limits of estimated average specific activity apply. External shielding materials surrounding the LSA material shall not be considered in determining the estimated average specific activity.

Low toxicity alpha emitters are: natural uranium, depleted uranium; natural thorium; uranium-235 or uranium-238; thorium-232; thorium-228 and thorium-230 when contained in ores or physical and chemical concentrates; or alpha emitters with a half-life of less than 10 days.

Special form radioactive material means either

(a) An indispersable solid radioactive material, or

(b) A sealed capsule containing radioactive material.

Specific activity of a radionuclide means the activity per unit mass of that nuclide. The specific activity of a material shall mean the activity per unit mass of the material in which the radionuclides are essentially uniformly distributed.

Surface contaminated object (SCO) means a solid object which is not itself radioactive but which has radioactive material distributed on its surfaces.

Unirradiated thorium means thorium containing not more than 10^{-7} g of uranium-233 per gram of thorium-232.

Unirradiated uranium means uranium containing not more than 2×10^{3} Bq of plutonium per gram of uranium-235, not more than 9×10^{3} Bq of fission products per gram of uranium-235 and not more than 5×10^{-3} g of uranium-236 per gram of uranium-235.

Uranium - natural, depleted, enriched means the following:

Natural uranium means uranium (which may be chemically separated) containing the naturally occurring distribution of uranium isotopes (approximately 99.28% uranium-238, and 0.72% uranium-235 by mass).

Depleted uranium means uranium containing a lesser mass percentage of uranium-235 than in natural uranium.

Enriched uranium means uranium containing a greater mass percentage of uranium-235 than 0.72%.

In all cases, a very small mass percentage of uranium-234 is present.

2.2.7.2 *Classification*

2.2.7.2.1 *General provisions*

2.2.7.2.1.1 Radioactive material shall be assigned to one of the UN number specified in Table 2.2.7.2.1.1 depending on the activity level of the radionuclides contained in a package, the fissile or non fissile properties of these radionuclides, the type of package to be prescribed for carriage, and the nature or form of the contents of the package, or special arrangements governing the carriage operation, in accordance with the provisions laid down in 2.2.7.2.2 to 2.2.7.2.5.

Table 2.2.7.2.1.1 Assignment of UN numbers

Excepted packages (1.7.1.5)	
UN 2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING
UN 2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM
UN 2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL
UN 2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES
Low specific activity radioactive material (2.2.7.2.3.1)	
UN 2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted
UN 3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted
UN 3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted
UN 3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE
UN 3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE
Surface contaminated objects (2.2.7.2.3.2)	
UN 2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non fissile or fissile-excepted
UN 3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE
Type A packages (2.2.7.2.4.4)	
UN 2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted
UN 3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form
UN 3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted
UN 3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE
Type B(U) packages (2.2.7.2.4.6)	
UN 2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted
UN 3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE
Type B(M) packages (2.2.7.2.4.6)	
UN 2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted
UN 3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE
Type C packages (2.2.7.2.4.6)	
UN 3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted
UN 3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE
Special arrangement (2.2.7.2.5)	
UN 2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excepted
UN 3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE
Uranium hexafluoride (2.2.7.2.4.5)	
UN 2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE
UN 2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted

2.2.7.2.2 *Determination of activity level*

2.2.7.2.2.1 The following basic values for individual radionuclides are given in Table 2.2.7.2.2.1:

(a) A_1 and A_2 in TBq;

(b) Activity concentration for exempt material in Bq/g; and

(c) Activity limits for exempt consignments in Bq.

Table 2.2.7.2.2.1: Basic radionuclides values for individual radionuclides

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Actinium (89)				
Ac-225 (a)	8×10^{-1}	6×10^{-1}	1×10	1×10^{4}
Ac-227 (a)	9×10^{-1}	9×10^{-5}	1×10^{-1}	1×10^{1}
Ac-228	6×10^{-1}	5×10^{-1}	1×10	1×10^{6}
Silver (47)				
Ag-105	2×10^{0}	2×10	1×10^{2}	1×10^{6}
Ag-108m (a)	7×10^{-1}	7×10^{-1}	1×10^{1} (b)	1×10^{6} (b)
Ag-110m (a)	4×10^{-1}	4×10^{-1}	1×10	1×10^{4}
Ag-111	2×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Aluminium (13)				
Al-26	1×10^{-1}	1×10^{-1}	1×10	1×10^{5}
Americium (95)				
Am-241	1×10^{1}	1×10^{-3}	1×10^{0}	1×10^{4}
Am-242m (a)	1×10^{1}	1×10^{-3}	1×10^{0} (b)	1×10^{4} (b)
Am-243 (a)	5×10^{0}	1×10^{-3}	1×10^{0} (b)	1×10^{3} (b)
Argon (18)				
Ar-37	4×10	4×10	1×10^{6}	1×10^{8}
Ar-39	4×10^{1}	2×10	1×10^{7}	1×10^{4}
Ar-41	3×10^{-1}	3×10^{-1}	1×10^{2}	1×10^{9}
Arsenic (33)				
As-72	3×10^{-1}	3×10^{-1}	1×10	1×10^{5}
As-73	4×10^{1}	4×10	1×10^{3}	1×10^{7}
As-74	1×10^{0}	9×10^{-1}	1×10	1×10^{6}
As-76	3×10^{-1}	3×10^{-1}	1×10^{2}	1×10^{5}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
As-77	2×10	7×10^{1}	$1 \times 10^{}$	$1 \cdot 10^{}$
Astatine (85)				
At-211 (a)	$2 \cdot 10$	$5 \cdot 10^{1}$	$1 \cdot 10^{}$	$1 \cdot 10^{}$
Gold (79)				
Au-193	$7 \times 10^{}$	$2 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Au-194	$1 \cdot 10^{}$	$1 \cdot 10^{}$	$1 \times 10^{}$	$2 \times 10^{}$
Au-195	$1 \times 10^{}$	$6 \times 10^{}$	$1 \times 10^{}$	$\cdot \times 10^{}$
Au-198	$1 \cdot 10^{}$	$6 \times 10^{}$	$1 \cdot 10^{}$	$\cdot \times 10^{}$
Au-199	$1 \times 10^{}$	$6 \times 10^{}$	$1 \times 10^{}$	$\cdot \times 10^{}$
Barium (56)				
Ba-131 (a)	$2 \cdot 10^{}$	$2 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Ba-133	$3 \cdot 10^{}$	$3 \cdot 10^{}$	$1 \cdot 10^{}$	$1 \times 10^{}$
Ba-133m	$2 \times 10^{}$	$6 \times 10^{}$	$1 \times 10^{}$	$1 \cdot 10^{}$
Ba-140 (a)	$5 \cdot 10^{}$	$3 \cdot 10^{}$	$\cdot \cdot 10^{}$ (b)	$1 \cdot 10^{}$ (b)
Beryllium (4)				
Be-7	$2 \times 10^{}$	2×10	$1 \times 10^{}$	$1 \cdot 10^{}$
Be-10	$4 \cdot 10$	$6 \cdot 10^{}$	$1 \times 10^{}$	$1 \cdot 10^{}$
Bismuth (83)				
Bi-205	$7 \times 10^{}$	$7 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Bi-206	$3 \cdot 10^{}$	$3 \cdot 10^{}$	$1 \times 10^{}$	$\cdot \times 10^{}$
Bi-207	$7 \times 10^{}$	$7 \times 10^{}$	1×10	$\cdot \times 10^{}$
Bi-210	$1 \cdot 10^{}$	$6 \times 10^{}$	$\cdot \cdot 10^{}$	$1 \times 10^{}$
Bi-210m (a)	$6 \times 10^{}$	$2 \times 10^{}$	$\cdot \times 10^{}$	$1 \times 10^{}$
Bi-212 (a)	$7 \cdot 10^{}$	$6 \cdot 10^{}$	1×10 (b)	$1 \times 10^{}$ (b)
Berkelium (97)				
Bk-247	$8 \times 10^{}$	$8 \cdot 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Bk-249 (a)	$4 \cdot 10^{}$	$3 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Bromine (35)				
Br-76	$4 \times 10^{}$	$4 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Br-77	$3 \cdot 10^{}$	$3 \times 10^{}$	$1 \times 10^{}$	$1 \times 10^{}$
Br-82	4×10	$4 \times 10^{}$	$1 \times 10^{}$	$1 \cdot 10^{}$

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Carbon (6)				
C-11	1×10^{1}	6×10^{-1}	1×10^{1}	1×10^{6}
C-14	4×10^{1}	3×10^{0}	1×10^{4}	1×10^{7}
Calcium (20)				
Ca-41	Unlimited	Unlimited	1×10^{5}	1×10^{7}
Ca-45	4×10^{0}	1×10^{0}	1×10^{4}	1×10^{7}
Ca-47 (a)	3×10^{0}	3×10^{-1}	1×10^{1}	1×10^{6}
Cadmium (48)				
Cd-109	3×10^{1}	2×10^{0}	1×10^{4}	1×10^{6}
Cd-113m	4×10^{1}	5×10^{-1}	1×10^{3}	1×10^{6}
Cd-115 (a)	3×10^{0}	4×10^{-1}	1×10^{3}	1×10^{6}
Cd-115m	5×10^{0}	5×10^{-1}	1×10^{4}	1×10^{6}
Cerium (58)				
Ce-139	7×10^{0}	2×10^{0}	1×10^{2}	1×10^{6}
Ce-141	2×10^{1}	6×10^{-1}	1×10^{2}	1×10^{7}
Ce-143	9×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Ce-144 (a)	2×10^{-1}	2×10^{-1}	1×10^{2} (b)	1×10^{5} (b)
Californium (98)				
Cf-248	4×10^{1}	6×10^{-3}	1×10^{1}	1×10^{4}
Cf-249	3×10^{0}	8×10^{-4}	1×10^{0}	1×10^{3}
Cf-250	2×10^{1}	2×10^{-2}	1×10^{1}	1×10^{4}
Cf-251	7×10^{0}	7×10^{-4}	1×10^{0}	1×10^{3}
Cf-252	1×10^{-1}	3×10^{-3}	1×10^{1}	1×10^{4}
Cf-253 (a)	4×10^{0}	4×10^{-2}	1×10^{2}	1×10^{5}
Cf-254	1×10^{-3}	1×10^{-3}	1×10^{1}	1×10^{3}
Chlorine (17)				
Cl-36	1×10^{1}	6×10^{-1}	1×10^{4}	1×10^{6}
Cl-38	2×10^{-1}	2×10^{-1}	1×10^{1}	1×10^{5}
Curium (96)				
Cm-240	4×10^{1}	2×10^{-2}	1×10^{2}	1×10^{6}
Cm-241	2×10^{0}	1×10^{0}	1×10^{2}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Cm-242	4×10^{1}	1×10^{-2}	1×10^{2}	1×10^{4}
Cm-243	9×10^{0}	1×10^{-1}	1×10^{0}	1×10^{4}
Cm-244	2×10^{1}	2×10^{-2}	1×10^{1}	1×10^{4}
Cm-245	9×10^{0}	9×10^{-3}	1×10^{0}	1×10^{4}
Cm-246	9×10^{0}	9×10^{-3}	1×10^{1}	1×10^{4}
Cm-247 (a)	3×10^{0}	1×10^{-3}	1×10^{0}	1×10^{4}
Cm-248	2×10^{-2}	3×10^{-4}	1×10^{0}	1×10^{4}
Cobalt (27)				
Co-55	5×10^{0}	5×10^{-1}	1×10^{1}	1×10^{6}
Co-56	3×10^{0}	3×10^{-1}	1×10^{1}	1×10^{5}
Co-57	1×10^{1}	1×10^{1}	1×10^{2}	1×10^{6}
Co-58	1×10^{0}	1×10^{0}	1×10^{1}	1×10^{6}
Co-58m	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{7}
Co-60	4×10^{0}	4×10^{-1}	1×10^{1}	1×10^{5}
Chromium (24)				
Cr-51	3×10^{1}	3×10^{1}	1×10^{3}	1×10^{7}
Caesium (55)				
Cs-129	4×10^{0}	4×10^{0}	1×10^{2}	1×10^{5}
Cs-131	3×10^{1}	3×10^{1}	1×10^{3}	1×10^{6}
Cs-132	1×10^{0}	1×10^{0}	1×10^{1}	1×10^{5}
Cs-134	7×10^{-1}	7×10^{-1}	1×10^{0}	1×10^{4}
Cs-134m	4×10^{1}	6×10^{-1}	1×10^{3}	1×10^{5}
Cs-135	4×10^{1}	1×10^{1}	1×10^{4}	1×10^{7}
Cs-136	5×10^{0}	5×10^{-1}	1×10^{1}	1×10^{5}
Cs-137 (a)	2×10^{0}	6×10^{-1}	1×10^{1} (b)	1×10^{4} (b)
Copper (29)				
Cu-64	6×10^{0}	1×10^{0}	1×10^{2}	1×10^{6}
Cu-67	1×10^{1}	7×10^{-1}	1×10^{3}	1×10^{6}
Dysprosium (66)				
Dy-159	2×10^{1}	2×10^{1}	1×10^{3}	1×10^{7}
Dy-165	9×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Dy-166 (a)	9×10^{1}	3×10^{1}	1×10^{3}	1×10^{6}
Erbium (68)				
Er-169	4×10^{1}	1×10^{1}	1×10^{4}	1×10^{7}
Er-171	8×10^{1}	5×10^{0}	1×10^{3}	1×10^{6}
Europium (63)				
Eu-147	2×10^{0}	2×10^{0}	1×10^{2}	1×10^{6}
Eu-148	5×10^{-1}	5×10^{-1}	1×10^{0}	1×10^{6}
Eu-149	2×10^{2}	2×10^{2}	1×10^{4}	1×10^{7}
Eu-150(short lived)	2×10^{0}	2×10^{0}	1×10^{3}	1×10^{6}
Eu-150(long lived)	7×10^{-1}	7×10^{-1}	1×10^{0}	1×10^{6}
Eu-152	1×10^{0}	1×10^{0}	1×10^{0}	1×10^{7}
Eu-152m	8×10^{-1}	8×10^{-1}	1×10^{3}	1×10^{6}
Eu-154	9×10^{-1}	6×10^{-1}	1×10^{0}	1×10^{6}
Eu-155	2×10^{1}	3×10^{0}	1×10^{2}	1×10^{7}
Eu-156	7×10^{-1}	7×10^{-1}	1×10^{0}	1×10^{6}
Fluorine (9)				
F-18	1×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Iron (26)				
Fe-52 (a)	3×10^{0}	3×10^{0}	1×10^{3}	1×10^{6}
Fe-55	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{6}
Fe-59	9×10^{-1}	9×10^{-1}	1×10^{0}	1×10^{6}
Fe-60 (a)	4×10^{1}	2×10^{0}	1×10^{2}	1×10^{5}
Gallium (31)				
Ga-67	7×10^{0}	3×10^{0}	1×10^{2}	1×10^{6}
Ga-68	5×10^{-1}	5×10^{-1}	1×10^{3}	1×10^{5}
Ga-72	4×10^{-1}	4×10^{-1}	1×10^{1}	1×10^{5}
Gadolinium (64)				
Gd-146 (a)	5×10^{0}	5×10^{-1}	1×10^{3}	1×10^{6}
Gd-148	2×10^{1}	2×10^{0}	1×10^{4}	1×10^{7}
Gd-153	1×10^{1}	9×10^{0}	1×10^{2}	1×10^{7}
Gd-159	3×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Germanium (32)				
Ge-68 (a)	5×10^{1}	5×10^{1}	1×10^{1}	1×10^{5}
Ge-71	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{6}
As-73	4×10^{1}	4×10^{1}	1×10^{3}	1×10^{5}
Hafnium (72)				
Hf-172 (a)	6×10^{1}	6×10^{1}	1×10^{1}	1×10^{6}
Hf-175	3×10^{0}	3×10^{0}	1×10^{3}	1×10^{6}
Hf-181	2×10^{0}	5×10^{1}	1×10^{1}	1×10^{6}
Hf-182	Unlimited	Unlimited	1×10^{-2}	1×10^{3}
Mercury (80)				
Hg-194 (a)	1×10^{0}	1×10^{0}	1×10^{1}	1×10^{6}
Hg-195m (a)	3×10^{0}	7×10^{0}	1×10^{2}	1×10^{6}
Hg-197	2×10^{1}	1×10^{1}	1×10^{2}	1×10^{7}
Hg-197m	1×10^{1}	4×10^{0}	1×10^{2}	1×10^{6}
Hg-203	5×10^{0}	1×10^{1}	1×10^{2}	1×10^{4}
Holmium (67)				
Ho-166	4×10^{1}	4×10^{0}	1×10^{3}	1×10^{5}
Ho-166m	6×10^{0}	5×10^{0}	1×10^{1}	1×10^{4}
Iodine (53)				
I-123	6×10^{0}	3×10^{0}	1×10^{2}	1×10^{7}
I-124	1×10^{0}	1×10^{0}	1×10^{1}	1×10^{6}
I-125	2×10^{1}	3×10^{0}	1×10^{3}	1×10^{6}
I-126	2×10^{0}	1×10^{0}	1×10^{2}	1×10^{6}
I-129	Unlimited	Unlimited	1×10^{2}	1×10^{5}
I-131	3×10^{0}	7×10^{0}	1×10^{2}	1×10^{6}
I-132	4×10^{1}	4×10^{0}	1×10^{1}	1×10^{7}
I-133	7×10^{0}	6×10^{0}	1×10^{2}	1×10^{6}
I-134	3×10^{1}	3×10^{0}	1×10^{1}	1×10^{7}
I-135 (a)	6×10^{0}	6×10^{0}	1×10^{1}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Iridium (49)				
Ir-189	1×10^{1}	3×10^{0}	1×10^{2}	1×10^{4}
Ir-190	7×10^{-1}	7×10^{-1}	1×10^{1}	1×10^{4}
Ir-192	1×10^{0} (a)	6×10^{-1}	1×10^{1}	1×10^{4}
Ir-194	3×10^{-1}	3×10^{-1}	1×10^{2}	1×10^{5}
Potassium (19)				
K-40	9×10^{-1}	9×10^{-1}	1×10^{2}	1×10^{4}
K-42	2×10^{-1}	2×10^{-1}	1×10^{2}	1×10^{6}
K-43	7×10^{-1}	6×10^{-1}	1×10^{1}	1×10^{6}
Krypton (36)				
Kr-79	4×10^{0}	2×10^{0}	1×10^{3}	1×10^{5}
Kr-81	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{7}
Kr-85	1×10^{1}	1×10^{1}	1×10^{5}	1×10^{4}
Kr-85m	8×10^{0}	3×10^{0}	1×10^{3}	1×10^{10}
Kr-87	2×10^{-1}	2×10^{-1}	1×10^{2}	1×10^{5}
Lanthanum (57)				
La-137	3×10^{1}	6×10^{0}	1×10^{3}	1×10^{7}
La-140	4×10^{-1}	4×10^{-1}	1×10^{1}	1×10^{5}
Lutetium (71)				
Lu-172	6×10^{-1}	6×10^{-1}	1×10^{1}	1×10^{6}
Lu-173	8×10^{0}	8×10^{0}	1×10^{2}	1×10^{7}
Lu-174	9×10^{0}	9×10^{0}	1×10^{2}	1×10^{7}
Lu-174m	2×10^{1}	1×10^{1}	1×10^{3}	1×10^{7}
Lu-177	3×10^{1}	7×10^{0}	1×10^{3}	1×10^{7}
Magnesium (12)				
Mg-28 (a)	3×10^{-1}	3×10^{-1}	1×10^{1}	1×10^{5}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Manganese (25)				
Mn-52	3×10^{-1}	3×10^{-1}	1×10	1×10^{6}
Mn-53	Unlimited	Unlimited	1×10^{4}	1×10^{9}
Mn-54	1×10^{0}	1×10^{0}	1×10	1×10^{6}
Mn-56	3×10^{-1}	3×10^{-1}	1×10	1×10^{5}
Molybdenum (42)				
Mo-93	4×10^{1}	2×10^{1}	1×10^{2}	1×10^{8}
Mo-99 (a)	1×10^{0}	6×10^{-1}	1×10^{2}	1×10^{6}
Nitrogen (7)				
N-13	9×10^{-3}	6×10^{-3}	1×10^{3}	1×10^{9}
Sodium (11)				
Na-22	5×10^{-1}	5×10^{-1}	1×10	1×10^{6}
Na-24	2×10^{-1}	2×10^{-1}	1×10	1×10^{5}
Niobium (41)				
Nb-93m	4×10^{1}	3×10^{1}	1×10^{4}	1×10^{7}
Nb-94	7×10^{-1}	7×10^{-1}	1×10	1×10^{6}
Nb-95	1×10^{0}	1×10^{0}	1×10	1×10^{6}
Nb-97	9×10^{-1}	6×10^{-1}	1×10	1×10^{6}
Neodymium (60)				
Nd-147	6×10^{0}	6×10^{-1}	1×10^{2}	1×10^{7}
Nd-149	6×10^{-1}	5×10^{-1}	1×10^{2}	1×10^{6}
Nickel (28)				
Ni-59	Unlimited	Unlimited	1×10^{4}	1×10^{8}
Ni-63	4×10^{1}	3×10^{1}	1×10^{5}	1×10^{8}
Ni-65	4×10^{-1}	4×10^{-1}	1×10	1×10^{6}
Neptunium (93)				
Np-235	4×10^{1}	4×10	1×10^{3}	1×10^{7}
Np-236(short-lived)	2×10^{1}	2×10	1×10^{3}	1×10^{7}
Np-236(long-lived)	9×10^{0}	2×10^{-2}	1×10^{3}	1×10^{5}
Np-237	2×10^{1}	2×10^{-3}	1×10^{0} (b)	1×10^{3} (b)
Np-239	7×10^{0}	4×10^{-1}	1×10^{2}	1×10^{7}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Osmium (76)				
Os-185	1×10^{0}	1×10^{0}	1×10^{2}	1×10^{6}
Os-191	1×10^{1}	2×10^{0}	1×10^{2}	1×10^{7}
Os-191m	4×10^{1}	3×10^{1}	1×10^{3}	1×10^{7}
Os-193	2×10^{0}	6×10^{-1}	1×10^{2}	1×10^{6}
Os-194 (a)	3×10^{-1}	3×10^{-1}	1×10^{2}	1×10^{5}
Phosphorus (15)				
P-32	5×10^{-1}	5×10^{-1}	1×10^{3}	1×10^{5}
P-33	4×10^{1}	1×10^{0}	1×10^{5}	1×10^{8}
Protactinium (91)				
Pa-230 (a)	2×10^{0}	7×10^{-2}	1×10^{1}	1×10^{6}
Pa-231	4×10^{0}	4×10^{-1}	1×10^{0}	1×10^{3}
Pa-233	5×10^{0}	7×10^{-1}	1×10^{2}	1×10^{7}
Lead (82)				
Pb-201	1×10^{0}	1×10^{0}	1×10^{1}	1×10^{6}
Pb-202	4×10^{1}	2×10^{1}	1×10^{3}	1×10^{6}
Pb-203	4×10^{0}	3×10^{0}	1×10^{2}	1×10^{6}
Pb-205	Unlimited	Unlimited	1×10^{4}	1×10^{7}
Pb-210 (a)	1×10^{0}	5×10^{-2}	1×10^{1} (b)	1×10^{4} (b)
Pb-212 (a)	7×10^{-1}	2×10^{-1}	1×10^{1} (b)	1×10^{5} (b)
Palladium (46)				
Pd-103 (a)	4×10^{2}	4×10^{2}	1×10^{3}	1×10^{8}
Pd-107	Unlimited	Unlimited	1×10^{5}	1×10^{8}
Pd-109	2×10^{0}	5×10^{-1}	1×10^{3}	1×10^{6}
Promethium (61)				
Pm-143	3×10^{0}	3×10^{0}	1×10^{4}	1×10^{6}
Pm-144	7×10^{-1}	7×10^{-1}	1×10^{1}	1×10^{5}
Pm-145	3×10^{1}	1×10^{1}	1×10^{4}	1×10^{7}
Pm-147	4×10^{1}	2×10^{0}	1×10^{4}	1×10^{7}
Pm-148m (a)	8×10^{-1}	7×10^{-1}	1×10^{1}	1×10^{6}
Pm-149	2×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Pm-151	2×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Polonium (84)				
Po-210	4×10^{1}	2×10^{-2}	1×10^{1}	1×10^{4}
Praseodymium (59)				
Pr-142	4×10^{-1}	4×10^{-1}	1×10^{3}	1×10^{5}
Pr-143	3×10^{0}	6×10^{-1}	1×10^{4}	1×10^{6}
Platinum (78)				
Pt-188 (a)	1×10^{0}	8×10^{-1}	1×10^{2}	1×10^{6}
Pt-191	4×10^{0}	3×10^{0}	1×10^{2}	1×10^{6}
Pt-193	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{7}
Pt-193m	4×10^{1}	5×10^{-1}	1×10^{3}	1×10^{7}
Pt-195m	1×10^{1}	5×10^{-1}	1×10^{3}	1×10^{6}
Pt-197	2×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Pt-197m	1×10^{0}	6×10^{-1}	1×10^{3}	1×10^{6}
Plutonium (94)				
Pu-236	3×10^{0}	3×10^{-1}	1×10^{1}	1×10^{4}
Pu-237	2×10^{1}	2×10^{1}	1×10^{3}	1×10^{7}
Pu-238	1×10^{1}	1×10^{-3}	1×10^{1}	1×10^{4}
Pu-239	1×10^{1}	1×10^{-3}	1×10^{1}	1×10^{4}
Pu-240	1×10^{1}	1×10^{-3}	1×10^{1}	1×10^{4}
Pu-241 (a)	4×10^{1}	6×10^{-2}	1×10^{2}	1×10^{5}
Pu-242	1×10^{1}	1×10^{-3}	$\times 10$	1×10^{4}
Pu-244 (a)	4×10^{-1}	1×10^{-3}	1×10^{1}	1×10^{4}
Radium (88)				
Ra-223 (a)	4×10^{1}	7×10^{-1}	1×10^{2} (b)	1×10^{5} (b)
Ra-224 (a)	4×10^{1}	2×10^{-1}	1×10^{1} (b)	1×10^{5} (b)
Ra-225 (a)	2×10^{1}	4×10^{-1}	1×10^{2}	1×10^{5}
Ra-226 (a)	2×10^{1}	3×10^{-1}	1×10^{1} (b)	1×10^{4} (b)
Ra-228 (a)	6×10^{1}	2×10^{-1}	1×10^{1} (b)	1×10^{5} (b)

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Rubidium (37)				
Rb-81	2×10^{1}	5×10^{1}	1×10^{1}	1×10^{7}
Rb-83 (a)	2×10^{1}	2×10^{1}	1×10^{2}	1×10^{7}
Rb-84	1×10^{1}	1×10^{1}	1×10^{1}	1×10^{7}
Rb-86	5×10^{1}	5×10^{1}	1×10^{2}	1×10^{6}
Rb-87	Unlimited	Unlimited	1×10^{4}	1×10^{7}
Rb(nat)	Unlimited	Unlimited	1×10^{4}	1×10^{7}
Rhenium (75)				
Re-184	1×10^{1}	3×10^{1}	1×10^{1}	1×10^{7}
Re-184m	3×10^{1}	1×10^{1}	1×10^{2}	1×10^{6}
Re-186	2×10^{1}	6×10^{1}	1×10^{3}	1×10^{7}
Re-187	Unlimited	Unlimited	1×10^{4}	1×10^{7}
Re-188	4×10^{1}	4×10^{1}	1×10^{2}	1×10^{6}
Re-189 (a)	3×10^{1}	6×10^{1}	1×10^{2}	1×10^{7}
Re(nat)	Unlimited	Unlimited	1×10^{4}	1×10^{7}
Rhodium (45)				
Rh-99	2×10^{1}	2×10^{1}	1×10^{1}	1×10^{7}
Rh-101	4×10^{1}	3×10^{1}	1×10^{2}	1×10^{7}
Rh-102	5×10^{1}	5×10^{1}	1×10	1×10^{7}
Rh-102m	2×10^{1}	2×10^{1}	1×10^{1}	1×10^{7}
Rh-103m	4×10	4×10^{1}	1×10^{4}	1×10^{8}
Rh-105	1×10	8×10^{1}	1×10^{2}	1×10^{7}
Radon (86)				
Rn-222 (a)	3×10^{1}	4×10^{1}	1×10 (b)	1×10^{5} (b)
Ruthenium (44)				
Ru-97	5×10^{1}	5×10^{1}	1×10^{2}	1×10^{7}
Ru-103 (a)	2×10^{1}	2×10^{1}	1×10^{2}	1×10^{6}
Ru-105	1×10^{1}	6×10	1×10	1×10^{6}
Ru-106 (a)	2×10^{1}	2×10^{1}	1×10^{2} (b)	1×10^{5} (b)
Sulphur (16)				
S-35	4×10^{1}	3×10^{1}	1×10^{3}	1×10^{8}

Radionuclide (Atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Antimony (51)				
Sb-122	4×10^{-1}	4×10^{-1}	1×10^{1}	1×10^{4}
Sb-124	6×10^{-1}	6×10^{-1}	1×10^{0}	1×10^{4}
Sb-125	2×10^{0}	1×10^{0}	1×10^{2}	1×10^{4}
Sb-126	4×10^{-1}	4×10^{-1}	1×10^{1}	1×10^{4}
Scandium (21)				
Sc-44	5×10^{-1}	5×10^{-1}	1×10^{1}	1×10^{5}
Sc-46	5×10^{-1}	5×10^{-1}	1×10^{1}	1×10^{4}
Sc-47	1×10^{1}	7×10^{-1}	1×10^{2}	1×10^{5}
Sc-48	3×10^{-1}	3×10^{-1}	1×10^{1}	1×10^{4}
Selenium (34)				
Se-75	3×10^{0}	3×10^{0}	1×10^{2}	1×10^{4}
Se-79	4×10^{1}	2×10^{0}	1×10^{4}	1×10^{7}
Silicon (14)				
Si-31	6×10^{-1}	6×10^{-1}	1×10^{3}	1×10^{6}
Si-32	4×10^{1}	5×10^{-1}	1×10^{4}	1×10^{7}
Samarium (62)				
Sm-145	1×10^{1}	1×10^{1}	1×10^{2}	1×10^{7}
Sm-147	Unlimited	Unlimited	1×10^{1}	1×10^{4}
Sm-151	4×10^{1}	1×10^{1}	1×10^{4}	1×10^{8}
Sm-153	9×10^{0}	6×10^{-1}	1×10^{3}	1×10^{7}
Tin (50)				
Sn-113 (a)	4×10^{0}	2×10^{0}	1×10^{3}	1×10^{7}
Sn-117m	7×10^{0}	4×10^{-1}	1×10^{2}	1×10^{7}
Sn-119m	4×10^{1}	3×10^{1}	1×10^{3}	1×10^{7}
Sn-121m (a)	4×10^{1}	9×10^{-1}	1×10^{3}	1×10^{7}
Sn-123	8×10^{-1}	6×10^{-1}	1×10^{3}	1×10^{6}
Sn-125	4×10^{-1}	4×10^{-1}	1×10^{2}	1×10^{5}
Sn-126 (a)	6×10^{-1}	4×10^{-1}	1×10^{1}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Strontium (38)				
Sr-82 (a)	2 × 10⁰	2 × 10⁰	1 × 10¹	1 × 10⁴
Sr-85	2 × 10¹	2 × 10¹	1 × 10²	1 × 10⁶
Sr-85m	5 × 10⁰	5 × 10⁰	1 × 10²	1 × 10⁷
Sr-87m	3 × 10⁰	3 × 10⁰	1 × 10²	1 × 10⁷
Sr-89	6 × 10⁰	6 × 10⁰	1 × 10³	1 × 10⁶
Sr-90 (a)	3 × 10⁻¹	3 × 10⁻¹	1 × 10² (b)	1 × 10⁴ (b)
Sr-91 (a)	3 × 10⁻¹	3 × 10⁰	1 × 10¹	1 × 10⁵
Sr-92 (a)	1 × 10⁰	3 × 10⁻¹	1 × 10¹	1 × 10⁶
Tritium (1)				
H-3	4 × 10¹	4 × 10¹	1 × 10²	1 × 10⁶
Tantalum (73)				
Ta-178 (long-lived)	1 × 10¹	8 × 10⁻¹	1 × 10¹	1 × 10³
Ta-179	3 × 10¹	3 × 10¹	1 × 10³	1 × 10⁷
Ta-182	9 × 10⁻¹	5 × 10⁻¹	1 × 10¹	1 × 10⁴
Terbium (65)				
Tb-157	4 × 10¹	1 × 10¹	1 × 10⁴	1 × 10⁷
Tb-158	1 × 10⁰	1 × 10⁰	1 × 10¹	1 × 10⁵
Tb-160	1 × 10⁰	6 × 10⁻¹	1 × 10¹	1 × 10⁶
Technetium (43)				
Tc-95m (a)	2 × 10⁰	2 × 10⁰	1 × 10¹	1 × 10⁶
Tc-96	4 × 10⁻¹	4 × 10⁻¹	1 × 10¹	1 × 10⁶
Tc-96m (a)	4 × 10⁻¹	4 × 10⁻¹	1 × 10³	1 × 10⁷
Tc-97	Unlimited	Unlimited	1 × 10³	1 × 10⁸
Tc-97m	4 × 10¹	1 × 10⁰	1 × 10³	1 × 10⁷
Tc-98	8 × 10⁻¹	7 × 10⁻¹	1 × 10¹	1 × 10⁶
Tc-99	4 × 10¹	9 × 10⁻¹	1 × 10⁴	1 × 10⁷
Tc-99m	1 × 10¹	4 × 10⁰	1 × 10²	1 × 10⁷
Tellurium (52)				
Te-121	2 × 10⁰	2 × 10⁰	1 × 10³	1 × 10⁷
Te-121m	5 × 10⁰	3 × 10⁰	1 × 10²	1 × 10⁷

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Te-123m	8×10^{0}	1×10^{0}	1×10^{3}	1×10^{7}
Te-125m	2×10^{1}	9×10^{1}	1×10^{3}	1×10^{7}
Te-127	2×10^{1}	7×10^{1}	1×10^{3}	1×10^{7}
Te-127m (a)	2×10^{1}	8×10^{1}	1×10^{3}	1×10^{7}
Te-129	7×10^{-1}	6×10^{-1}	1×10^{2}	1×10^{6}
Te-129m (a)	8×10^{-1}	4×10^{0}	1×10^{3}	1×10^{7}
Te-131m (a)	7×10^{-1}	5×10^{0}	1×10^{1}	1×10^{6}
Te-132 (a)	5×10^{-1}	4×10^{0}	1×10^{2}	1×10^{7}
Thorium (90)				
Th-227	1×10^{1}	5×10^{1}	1×10^{1}	1×10^{5}
Th-228 (a)	5×10^{-1}	1×10^{1}	1×10^{0} (b)	1×10^{4} (b)
Th-229	5×10^{0}	5×10^{0}	1×10^{0} (b)	1×10^{4} (b)
Th-230	1×10^{1}	1×10^{2}	1×10^{0}	1×10^{4}
Th-232	4×10^{1}	2×10^{2}	1×10^{1}	1×10^{5}
Th-232	Unlimited	Unlimited	1×10^{1}	1×10^{5}
Th-234 (a)	3×10^{-1}	3×10^{0}	1×10^{3} (b)	1×10^{5} (b)
Th(nat)	Unlimited	Unlimited	1×10^{0} (b)	1×10^{3} (b)
Titanium (22)				
Ti-44 (a)	5×10^{-1}	4×10^{-1}	1×10^{2}	1×10^{6}
Thallium (81)				
Tl-200	9×10^{-1}	9×10^{-1}	1×10^{2}	1×10^{6}
Tl-201	1×10^{1}	4×10^{1}	1×10^{3}	1×10^{7}
Tl-202	2×10^{0}	2×10^{0}	1×10^{2}	1×10^{6}
Tl-204	1×10^{1}	7×10^{1}	1×10^{1}	1×10^{4}
Thulium (69)				
Tm-167	7×10^{0}	8×10^{-1}	1×10^{2}	1×10^{6}
Tm-170	3×10^{-1}	6×10^{0}	1×10^{2}	1×10^{6}
Tm-171	4×10^{1}	4×10^{1}	1×10^{4}	1×10^{8}
Uranium (92)				
U-230 (fast lung absorption) (a)(d)	4×10^{1}	1×10^{1}	1×10^{1} (b)	1×10^{5} (b)
U-230 (medium lung absorption) (a)(e)	4×10^{1}	4×10^{-1}	1×10^{2}	1×10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
U-230 (slow lung absorption) (d) (f)	3 × 10	3 × 10^{-1}	1 × 10^{1}	1 × 10^{4}
U-232 (fast lung absorption) (d)	4 × 10	1 × 10^{-1}	1 × 10^{1} (b)	1 × 10^{4} (b)
U-232 (medium lung absorption) (e)	4 × 10	7 × 10^{-3}	1 × 10^{1}	1 × 10^{4}
U-232 (slow lung absorption) (f)	1 × 10	1 × 10	1 × 10	1 × 10^{4}
U-233 (fast lung absorption) (d)	4 × 10	9 × 10^{-2}	1 × 10^{1}	1 × 10^{4}
U-233 (medium lung absorption) (e)	4 × 10	2 × 10^{-2}	1 × 10^{1}	1 × 10^{5}
U-233 (slow lung absorption) (f)	4 × 10	6 × 10^{-3}	1 × 10^{1}	1 × 10^{4}
U-234 (fast lung absorption) (d)	4 × 10	9 × 10	1 × 10	1 × 10^{4}
U-234 (medium lung absorption) (e)	4 × 10	2 × 10^{-2}	1 × 10^{1}	1 × 10^{5}
U-234 (slow lung absorption) (f)	4 × 10	6 × 10^{-3}	1 × 10	1 × 10^{5}
U-235 (all lung absorption types) (a)(d)(e)(f)	Unlimited	Unlimited	1 × 10 (b)	1 × 10 (b)
U-236 (fast lung absorption) (d)	Unlimited	Unlimited	1 × 10	1 × 10^{4}
U-236 (medium lung absorption) (e)	4 × 10	2 × 10^{-2}	1 × 10^{1}	1 × 10^{5}
U-236 (slow lung absorption) (f)	4 × 10	6 × 10^{-3}	1 × 10	1 × 10^{4}
U-238 (all lung absorption types) (d)(e)(f)	Unlimited	Unlimited	1 × 10 (b)	1 × 10^{4} (b)
U (nat)	Unlimited	Unlimited	1 × 10^{0} (b)	1 × 10^{3} (b)
U (enriched to 20% or less) (g)	Unlimited	Unlimited	1 × 10^{1}	1 × 10^{5}
U (dep)	Unlimited	Unlimited	1 × 10^{2}	1 × 10^{5}
Vanadium (23)				
V-48	4 × 10^{-1}	4 × 10^{-1}	1 × 10	1 × 10^{5}
V-49	4 × 10	4 × 10^{1}	1 × 10^{1}	1 × 10^{7}
Tungsten (74)				
W-178 (a)	9 × 10^{1}	5 × 10^{0}	1 × 10	1 × 10^{6}
W-181	3 × 10	3 × 10^{1}	1 × 10^{1}	1 × 10^{7}
W-185	4 × 10	8 × 10^{1}	1 × 10^{4}	1 × 10^{7}
W-187	2 × 10^{0}	6 × 10^{-1}	1 × 10^{1}	1 × 10^{7}
W-188 (a)	4 × 10^{-1}	3 × 10^{-1}	1 × 10^{2}	1 × 10^{5}
Xenon (54)				
Xe-122 (a)	4 × 10^{-1}	4 × 10^{-1}	1 × 10^{1}	1 × 10^{4}
Xe-123	2 × 10^{0}	7 × 10^{-1}	1 × 10^{2}	1 × 10^{6}

Radionuclide (atomic number)	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Xe-127	4 × 10^{0}	2 × 10^{0}	1 × 10^{1}	1 × 10^{4}
Xe-131m	4 × 10^{1}	4 × 10^{1}	1 × 10^{3}	1 × 10^{4}
Xe-133	2 × 10^{1}	1 × 10^{1}	1 × 10^{3}	1 × 10^{4}
Xe-135	3 × 10^{0}	2 × 10^{0}	1 × 10^{3}	1 × 10^{4}
Yttrium (39)				
Y-87 (a)	1 × 10^{0}	1 × 10^{0}	1 × 10^{1}	1 × 10^{4}
Y-88	4 × 10^{0}	4 × 10^{0}	1 × 10^{1}	1 × 10^{3}
Y-90	3 × 10^{0}	3 × 10^{0}	1 × 10^{3}	1 × 10^{5}
Y-91	6 × 10^{0}	6 × 10^{0}	1 × 10^{3}	1 × 10^{5}
Y-91m	2 × 10^{0}	2 × 10^{0}	1 × 10^{2}	1 × 10^{6}
Y-92	2 × 10^{0}	2 × 10^{0}	1 × 10^{2}	1 × 10^{4}
Y-93	3 × 10^{0}	3 × 10^{0}	1 × 10^{2}	1 × 10^{4}
Ytterbium (70)				
Yb-169	4 × 10^{1}	1 × 10^{1}	1 × 10^{2}	1 × 10^{7}
Yb-175	3 × 10^{1}	9 × 10^{0}	1 × 10^{3}	1 × 10^{7}
Zinc (30)				
Zn-65	2 × 10^{1}	2 × 10^{0}	1 × 10^{1}	1 × 10^{7}
Zn-69	3 × 10^{0}	6 × 10^{1}	1 × 10^{4}	1 × 10^{6}
Zn-69m (a)	3 × 10^{0}	6 × 10^{0}	1 × 10^{3}	1 × 10^{6}
Zirconium (40)				
Zr-88	3 × 10^{0}	3 × 10^{0}	1 × 10^{2}	1 × 10^{6}
Zr-93	Unlimited	Unlimited	1 × 10^{3} (b)	1 × 10^{7} (b)
Zr-95 (a)	2 × 10^{0}	8 × 10^{1}	1 × 10^{2}	1 × 10^{6}
Zr-97 (a)	4 × 10^{0}	4 × 10^{0}	1 × 10^{2} (b)	1 × 10^{6} (b)

[a] A_1 and/or A_2 values for these parent radionuclides include contributions from daughter radionuclides with half-lives less than 10 days, as listed in the following.

Mg-28	Al-28
Ar-42	K-42
Ca-47	Sc-47
Ti-44	Sc-44
Fe-52	Mn-52m
Fe-60	Co-60m
Zn-69m	Zn-69
Ge-68	Ga-68
Rb-83	Kr-83m
Sr-82	Rb-82
Sr-90	Y-90
Sr-91	Y-91m
Sr-92	Y-92
Y-87	Sr-87m
Zr-95	Nb-95m
Zr-97	Nb-97m, Nb-97
Mo-99	Tc-99m
Tc-95m	Tc-95
Tc-96m	Tc-96
Ru-103	Rh-103m
Ru-106	Rh-106
Pd-103	Rh-103m
Ag-106m	Ag-106
Ag-110m	Ag-110
Cd-115	In-115m
In-114m	In-114
Sn-113	In-113m
Sn-121m	Sn-121
Sn-126	Sb-126m
Te-118	Sb-118
Te-127m	Te-127
Te-129m	Te-129
Te-131m	Te-131
Te-132	I-132
I-135	Xe-135m
Xe-122	I-122
Cs-137	Ba-137m
Ba-131	Cs-131
Ba-140	La-140
Ce-144	Pr-144m, Pr-144
Pm-148m	Pm-148
Gd-146	Eu-146
Dy-166	Ho-166
Hf-172	Lu-172
W-178	Ta-178
W-188	Re-188
Re-189	Os-189m
Os-194	Ir-194
Ir-189	Os-189m
Pt-188	Ir-188
Hg-194	Au-194
Hg-195m	Hg-195
Pb-210	Bi-210
Pb-212	Bi-212, Tl-208, Po-212
Bi-210m	Tl-206
Bi-212	Tl-208, Po-212

At-217	Po-213
Rn-222	Po-218, Pb-214, At-218, Bi-214, Po-214
Ra-223	Rn-219, Po-215, Pb-211, Bi-211, Tl-207
Ra-224	Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212
Ra-225	Ac-225, Fr-221, At-217, Bi-213, Tl-209, Po-213, Pb-209
Ra-226	Rn-222, Po-218, Pb-214, At-218, Bi-214, Po-214
Ra-228	Ac-228
Ac-225	Fr-221, At-217, Bi-213, Tl-209, Po-213, Pb-209
Ac-227	Fr-223
Th-228	Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212
Th-234	Pa-234m, Pa-234
Pa-230	Ac-226, Th-226, Fr-222, Ra-222, Rn-218, Po-214
U-230	Th-226, Ra-222, Rn-218, Po-214
U-235	Th-231
Pu-241	U-237
Pu-244	U-240, Np-240m
Am-242m	Am-242, Np-238
Am-243	Np-239
Cm-247	Pu-243
Bk-249	Am-245
Cf-253	Cm-249

(b) Parent nuclides and their progeny included in secular equilibrium are listed in the following:

Sr-90	Y-90
Zr-93	Nb-93m
Zr-97	Nb-97
Ru-106	Rh-106
Ag-108m	Ag-108
Cs-137	Ba-137m
Ce-144	Pr-144
Ba-140	La-140
Bi-212	Tl-208 (0.36), Po-212 (0.64)
Pb-210	Bi-210, Po-210
Pb-212	Bi-212, Tl-208 (0.36), Po-212 (0.64)
Rn-222	Po-218, Pb-214, Bi-214, Po-214
Ra-223	Rn-219, Po-215, Pb-211, Bi-211, Tl-207
Ra-224	Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Ra-226	Rn-222, Po-218, Pb-214, Bi-214, Po-214, Pb-210, Bi-210, Po-210
Ra-228	Ac-228
Th-228	Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Th-229	Ra-225, Ac-225, Fr-221, At-217, Bi-213, Po-213, Pb-209
Th-nat	Ra-228, Ac-228, Th-228, Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Th-234	Pa-234m
U-230	Th-226, Ra-222, Rn-218, Po-214
U-232	Th-228, Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
U-235	Th-231
U-238	Th-234, Pa-234m
U-nat	Th-234, Pa-234m, U-234, Th-230, Ra-226, Rn-222, Po-218, Pb-214, Bi-214, Po-214, Pb-210, Bi-210, Po-210
Np-237	Pa-233
Am-242m	Am-242
Am-243	Np-239

(c) The quantity may be determined from a measurement of the rate of decay or a measurement of the radiation level at a prescribed distance from the source.

(d) These values apply only to compounds of uranium that take the chemical form of UH_3, UO_2F_2 and $UO_2(NO_3)_2$ in both normal and accident conditions of carriage.

(e) These values apply only to compounds of uranium that take the chemical form of UF_4, UO_2, UCl_4 and hexavalent compounds in both normal and accident conditions of carriage.

(f) These values apply to all compounds of uranium other than those specified in (d) and (e) above.

(g) These values apply to unirradiated uranium only.

2.2.7.2.2.2 For individual radionuclides which are not listed in Table 2.2.7.2.2.1 the determination of the basic radionuclide values referred to in 2.2.7.2.2.1 shall require multilateral approval. It is permissible to use an A_1 value calculated using a dose coefficient for the appropriate lung absorption type as recommended by the International Commission on Radiological Protection, if the chemical forms of each radionuclide under both normal and accident conditions of carriage are taken into consideration. Alternatively, the radionuclide values in Table 2.2.7.2.2.2 may be used without obtaining competent authority approval.

Table 2.2.7.2.2.2: Basic radionuclide values for unknown radionuclides or mixtures

Radioactive contents	A_1 (TBq)	A_2 (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for exempt consignments (Bq)
Only beta or gamma emitting nuclides are known to be present	0.1	0.02	1×10^1	1×10^4
Alpha emitting nuclides but no neutron emitters are known to be present	0.2	9×10^{-3}	1×10^{-1}	1×10^3
Neutron emitting nuclides are known to be present or no relevant data are available	0.001	9×10^{-4}	1×10^{-1}	1×10^3

2.2.7.2.2.3 In the calculations of A_1 and A_2 for a radionuclide not in Table 2.2.7.2.2.1, a single radioactive decay chain in which the radionuclides are present in their naturally occurring proportions, and in which no daughter nuclide has a half-life either longer than 10 days or longer than that of the parent nuclide, shall be considered as a single radionuclide; and the activity to be taken into account and the A_1 or A_2 value to be applied shall be those corresponding to the parent nuclide of that chain. In the case of radioactive decay chains in which any daughter nuclide has a half-life either longer than 10 days or greater than that of the parent nuclide, the parent and such daughter nuclides shall be considered as mixtures of different nuclides.

2.2.7.2.2.4 For mixtures of radionuclides, the determination of the basic radionuclide values referred to in 2.2.7.2.2.1 may be determined as follows:

$$X_m = \frac{1}{\sum_n \frac{f(n)}{X(n)}}$$

where:

f(i) is the fraction of activity or activity concentration of radionuclide i in the mixture;

X(i) is the appropriate value of A_1 or A_2, or the activity concentration for exempt material or the activity limit for an exempt consignment as appropriate for the radionuclide i, and

X_m is the derived value of A_1 or A_2, or the activity concentration for exempt material or the activity limit for an exempt consignment in the case of a mixture.

2.2.7.2.2.5 When the identity of each radionuclide is known but the individual activities of some of the radionuclides are not known, the radionuclides may be grouped and the lowest radionuclide value, as appropriate, for the radionuclides in each group may be used in applying the formulas in 2.2.7.2.2.4 and 2.2.7.2.4.4. Groups may be based on the total alpha activity and the total beta gamma activity when these are known, using the lowest radionuclide values for the alpha emitters or beta gamma emitters, respectively.

2.2.7.2.2.6 For individual radionuclides or for mixtures of radionuclides for which relevant data are not available, the values shown in Table 2.2.7.2.2.2 shall be used.

2.2.7.2.3 *Determination of other material characteristics*

2.2.7.2.3.1 Low specific activity (LSA) material

2.2.7.2.3.1.1 *(Reserved)*

2.2.7.2.3.1.2 LSA material shall be in one of three groups:

(a) LSA-I

(i) uranium and thorium ores and concentrates of such ores, and other ores containing naturally occurring radionuclides which are intended to be processed for the use of these radionuclides;

(ii) natural uranium, depleted uranium, natural thorium or their compounds or mixtures, that are unirradiated and in solid or liquid form;

(iii) radioactive material for which the A_2 value is unlimited, excluding fissile material not excepted under 2.2.7.2.3.5; or

(iv) other radioactive material in which the activity is distributed throughout and the estimated average specific activity does not exceed 30 times the values for activity concentration specified in 2.2.7.2.2.1 to 2.2.7.2.2.6, excluding fissile material not excepted under 2.2.7.2.3.5;

(b) LSA-II

(i) water with tritium concentration up to 0.8 TBq/l; or

(ii) other material in which the activity is distributed throughout and the estimated average specific activity does not exceed 10^{-4} A$_2$/g for solids and gases, and 10^{-5} A$_2$/g for liquids;

(c) LSA-III Solids (e.g. consolidated wastes, activated materials), excluding powders, meeting the requirements of 2.2.7.2.3.1.3, in which:

(i) the radioactive material is distributed throughout a solid or a collection of solid objects, or is essentially uniformly distributed in a solid compact binding agent (such as concrete, bitumen, ceramic, etc.);

(ii) the radioactive material is relatively insoluble, or it is intrinsically contained in a relatively insoluble matrix, so that, even under loss of packaging, the loss of radioactive material per package by leaching when placed in water for seven days would not exceed 0.1 A_2, and

(iii) the estimated average specific activity of the solid, excluding any shielding material, does not exceed 2×10^{-3} A/g.

2.2.7.2.3.1.3 LSA-III material shall be a solid of such a nature that if the entire contents of a package were subjected to the test specified in 2.2.7.2.3.1.4 the activity in the water would not exceed 0.1 A.

2.2.7.2.3.1.4 LSA-III material shall be tested as follows:

A solid material sample representing the entire contents of the package shall be immersed for 7 days in water at ambient temperature. The volume of water to be used in the test shall be sufficient to ensure that at the end of the 7 day test period the free volume of the unabsorbed and unreacted water remaining shall be at least 10% of the volume of the solid test sample itself. The water shall have an initial pH of 6-8 and a maximum conductivity of 1 mS/m at 20°C. The total activity of the free volume of water shall be measured following the 7 day immersion of the test sample.

2.2.7.2.3.1.5 Demonstration of compliance with the performance standards in 2.2.7.2.3.1.4 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.2 Surface contaminated object (SCO)

SCO is classified in one of two groups:

(a) SCO-I: A solid object on which:

(i) the non-fixed contamination on the accessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed 4 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters, or 0.4 Bq/cm^2 for all other alpha emitters, and

(ii) the fixed contamination on the accessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed 4×10^4 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters, or 4×10^3 Bq/cm^2 for all other alpha emitters, and

(iii) the non-fixed contamination plus the fixed contamination on the inaccessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed 4×10^4 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters, or 4×10^3 Bq/cm^2 for all other alpha emitters.

(b) SCO-II: A solid object on which either the fixed or non-fixed contamination on the surface exceeds the applicable limits specified for SCO-I in (a) above and on which:

(i) the non-fixed contamination on the accessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed 400 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters, or 40 Bq/cm^2 for all other alpha emitters; and

(iii) the fixed contamination on the accessible surface, averaged over 300 cm² (or the area of the surface if less than 300 cm²) does not exceed 8×10^5 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 8×10^4 Bq/cm² for all other alpha emitters; and

(iv) the non-fixed contamination plus the fixed contamination on the accessible surface averaged over 300 cm² (or the area of the surface if less than 300 cm² does not exceed 8×10^4 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 8×10^3 Bq/cm² for all other alpha emitters.

2.2.7.2.3.3 Special form radioactive material

2.2.7.2.3.3.1 Special form radioactive material shall have at least one dimension not less than 5 mm. When a sealed capsule constitutes part of the special form radioactive material, the capsule shall be so manufactured that it can be opened only by destroying it. The design for special form radioactive material requires multilateral approval.

2.2.7.2.3.3.2 Special form radioactive material shall be of such a nature or shall be so designed that it if it is subjected to the tests specified in 2.2.7.2.3.3.4 to 2.2.7.2.3.3.8, it shall meet the following requirements:

(a) It would not break or shatter under the impact, percussion and bending tests 2.2.7.2.3.3.5 (a), (b), (c) and 2.2.7.2.3.5 (a) as applicable;

(b) It would not melt or disperse in the applicable heat test 2.2.7.2.3.3.5 (d) or 2.2.7.2.3.3.6 (b) as applicable; and

(c) The activity in the water from the leaching tests specified in 2.2.7.2.3.3.7 and 2.2.7.2.3.3.8 would not exceed 2 kBq; or alternatively for sealed sources, the leakage rate for the volumetric leakage assessment test specified in ISO 9978:1992 "Radiation Protection – Sealed Radioactive Sources – Leakage Test Methods" would not exceed the applicable acceptance threshold acceptable to the competent authority.

2.2.7.2.3.3.3 Demonstration of compliance with the performance standards in 2.2.7.2.3.3.2 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.3.4 Specimens that comprise or simulate special form radioactive material shall be subjected to the impact test, the percussion test, the bending test, and the heat test specified in 2.2.7.2.3.3.5 or alternative tests as authorized in 2.2.7.2.3.3.6. A different specimen may be used for each of the tests. Following each test, a leaching assessment or volumetric leakage test shall be performed on the specimen by a method no less sensitive than the methods given in 2.2.7.2.3.3.7 for indispersible solid material or 2.2.7.2.3.3.8 for encapsulated material.

2.2.7.2.3.4.5 The relevant test methods are:

(a) Impact test: The specimen shall drop onto the target from a height of 9 m. The target shall be as defined in 6.4.14;

(b) Percussion test: The specimen shall be placed on a sheet of lead which is supported by a smooth solid surface and struck by the flat face of a mild steel bar so as to cause an impact equivalent to that resulting from a free drop of 1.4 kg through 1 m. The lower part of the bar shall be 25 mm in diameter with the edges rounded off to a radius of 3.0 ± 0.3 mm. The lead, of hardness number 3.5 to 4.5 on the Vickers scale and not more than 25 mm thick, shall cover an area greater than that covered by the specimen. A fresh surface of lead shall be used for each impact. The bar shall strike the specimen so as to cause maximum damage;

(c) Bending test: The test shall apply only to long, slender sources with both a minimum length of 10 cm and a length to minimum width ratio of not less than 10. The specimen shall be rigidly clamped in a horizontal position so that one half of its length protrudes from the face of the clamp. The orientation of the specimen shall be such that the specimen will suffer maximum damage when its free end is struck by the flat face of a steel bar. The bar shall strike the specimen so as to cause an impact equivalent to that resulting from a free vertical drop of 1.4 kg through 1 m. The lower part of the bar shall be 25 mm in diameter with the edges rounded off to a radius of (3.0 ± 0.3) mm;

(d) Heat test: The specimen shall be heated in air to a temperature of 800 °C and held at that temperature for a period of 10 minutes and shall then be allowed to cool.

2.2.7.2.3.3.6 Specimens that comprise or simulate radioactive material enclosed in a sealed capsule may be excepted from:

(a) The tests prescribed in 2.2.7.2.3.3.5 (c) and (b) provided the mass of the special form radioactive material

(i) is less than 200 g and they are alternatively subjected to the Class 4 impact test prescribed in ISO 2919:1999 "Radiation protection - Sealed radioactive sources - General requirements and classification", or

(ii) is less than 500 g and they are alternatively subjected to the Class 5 impact test prescribed in ISO 2919:1999 "Radiation protection - Sealed radioactive sources - General requirements and classification"; and

(b) The test prescribed in 2.2.7.2.3.3.5 (d) provided they are alternatively subjected to the Class 6 temperature test specified in ISO 2919:1999 "Radiation protection - Sealed radioactive sources - General requirements and classification".

2.2.7.2.3.3.7 For specimens which comprise or simulate undispersible solid material, a leaching assessment shall be performed as follows:

(a) The specimen shall be immersed for 7 days in water at ambient temperature. The volume of water to be used in the test shall be sufficient to ensure that at the end of the 7 day test period the free volume of the unabsorbed and uncaptured water remaining shall be at least 10% of the volume of the solid test sample itself. The water shall have an initial pH of 6-8 and a maximum conductivity of 1 mS/m at 20 °C;

(b) The water with specimen shall then be heated to a temperature of (50 ± 5) °C and maintained at this temperature for 4 hours;

(c) The activity of the water shall then be determined;

(d) The specimen shall then be kept for at least 7 days in still air at not less than 30 °C and relative humidity not less than 90%;

(e) The specimen shall then be immersed in water of the same specification as in (a) above and the water with the specimen heated to (50 ± 5) °C and maintained at this temperature for 4 hours;

(f) The activity of the water shall then be determined.

2.2.7.2.3.3.8 For specimens which comprise or simulate radioactive material enclosed in a sealed capsule, either a leaching assessment or a volumetric leakage assessment shall be performed as follows:

(a) The leaching assessment shall consist of the following steps:

(i) the specimen shall be immersed in water at ambient temperature. The water shall have an initial pH of 6.8 with a maximum conductivity of 1 mS/m at 20 °C;

(ii) the water and specimen shall be heated to a temperature of (50 ± 5) °C and maintained at this temperature for 4 hours;

(iii) the activity of the water shall then be determined;

(iv) the specimen shall then be kept for at least 7 days in still air at not less than 30 °C and relative humidity of not less than 90%;

(v) the process in (i), (ii) and (iii) shall be repeated;

(b) The alternative volumetric leakage assessment shall comprise any of the tests prescribed in ISO 9978:1992 'Radiation Protection - Sealed radioactive sources - Leakage test methods', which are acceptable to the competent authority.

2.2.7.2.3.4 Low dispersible radioactive material.

2.2.7.2.3.4.1 The design for low dispersible radioactive material shall require multilateral approval. Low dispersible radioactive material shall be such that the total amount of this radioactive material in a package, taking into account the provisions of 6.4.8.14, shall meet the following requirements:

(a) The radiation level at 3 m from the unshielded radioactive material does not exceed 10 mSv/h;

(b) If subjected to the tests specified in 6.4.20.3 and 6.4.20.4, the airborne release in gaseous and particulate forms of up to 100 µm aerodynamic equivalent diameter would not exceed 100 A_1. A separate specimen may be used for each test; and

(c) If subjected to the test specified in 2.2.7.2.3.5.4 the activity in the water would not exceed 100 A_1. In the application of this test, the damaging effects of the tests specified in (b) above shall be taken into account.

2.2.7.2.3.4.2 Low dispersible radioactive material shall be tested as follows:

A specimen that comprises or simulates low dispersible radioactive material shall be subjected to the enhanced thermal test specified in 6.4.20.3 and the impact test specified in 6.4.20.4. A different specimen may be used for each of the tests. Following each test, the specimen shall be subjected to the leach test specified in 2.2.7.2.3.1.4. After each test it shall be determined if the applicable requirements of 2.2.7.2.3.4.1 have been met.

2.2.7.2.3.4.3 Demonstration of compliance with the performance standards in 2.2.7.2.3.4.1 and 2.2.7.2.3.4.2 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.5 Fissile material

Packages containing fissile material shall be classified under the relevant entry of Table 2.2.7.2.1.1, the description of which includes the words "FISSILE" or "fissile excepted". Classification as "fissile excepted" is allowed only if one of the conditions (a) to (d) of this paragraph is met. Only one type of exception is allowed per consignment (see also 6.4.7.2).

(a) A mass limit per consignment, provided that the smallest external dimension of each package is not less than 10 cm, such that

$$\frac{\text{mass of uranium (g)}}{X} + \frac{\text{mass of other fissile material (g)}}{Y} \leq 1$$

where X and Y are the mass limits defined in Table 2.2.7.2.3.5, provided that either:

(i) each individual package contains not more than 15 g of fissile nuclides; for unpackaged material, this quantity limitation shall apply to the consignment being carried in or on the vehicle; or

(ii) the fissile material is a homogeneous hydrogenous solution or mixture where the ratio of fissile nuclides to hydrogen is less than 5% by mass; or

(iii) there are not more than 5 g of fissile nuclides in any 10 litre volume of material.

Beryllium shall not be present in quantities exceeding 1% of the applicable consignment mass limits provided in Table 2.2.7.2.3.5 except where the concentration of beryllium in the material does not exceed 1 gram beryllium in any 1 000 grams.

Deuterium shall also not be present in quantities exceeding 1% of the applicable consignment mass limits provided in Table 2.2.7.2.3.5 except where deuterium occurs up to natural concentration in hydrogen.

(b) Uranium enriched in uranium-235 to a maximum of 1% by mass, and with a total plutonium and uranium-233 content not exceeding 1% of the mass of uranium-235, provided that the fissile nuclides are distributed essentially homogeneously throughout the material. In addition, if uranium-235 is present in metallic, oxide or carbide forms, it shall not form a lattice arrangement;

(c) Liquid solutions of uranyl nitrate enriched in uranium-235 to a maximum of 2% by mass, with a total plutonium and uranium-233 content not exceeding 0.002% of the mass of uranium, and with a minimum nitrogen to uranium atomic ratio (N/U) of 2;

(d) Plutonium containing not more than 20% of fissile nuclides by mass up to a maximum of 1 kg of plutonium per consignment. Shipments under this exception shall be under exclusive use.

Table 2.2.7.2.3.5: Consignment mass limits for exceptions from the requirements for packages containing fissile material

Fissile material	Fissile material mass (g) mixed with substances having an average hydrogen density less than or equal to water	Fissile material mass (g) mixed with substances having an average hydrogen density greater than water
Uranium-235 (X)	400	290
Other fissile material (Y)	250	180

2.2.7.2.4 *Classification of packages or unpacked material*

The quantity of radioactive material in a package shall not exceed the relevant limits for the package type as specified below

2.2.7.2.4.1 Classification as excepted package

2.2.7.2.4.1.1 Packages may be classified as excepted packages if:

(a) They are empty packagings having contained radioactive material;

(b) They contain instruments or articles in limited quantities as specified in Table 2.2.7.2.4.1.2;

(c) They contain articles manufactured of natural uranium, depleted uranium or natural thorium; or

(d) They contain radioactive material in limited quantities as specified in Table 2.2.7.2.4.1.2.

2.2.7.2.4.1.2 A package containing radioactive material may be classified as an excepted package provided that the radiation level at any point on its external surface does not exceed 5 mSv/h

Table 2.2.7.2.4.1.2: Activity limits for excepted packages

Physical state of contents	Instruments or articles		Materials
	Item limits [a]	Package limits [a]	Package limits [a]
(1)	(2)	(3)	(4)
Solids			
special form	10^{-2} A_1	A_1	10^{-3} A_1
other form	10^{-2} A_2	A_2	10^{-3} A_2
Liquids	10^{-3} A_2	10^{-2} A_2	10^{-4} A_2
Gases			
tritium	2×10^{-2} A_2	2×10^{-1} A_2	2×10^{-2} A_2
special form	10^{-3} A_1	10^{-2} A_1	10^{-3} A_1
other forms	10^{-3} A_2	10^{-2} A_2	10^{-3} A_2

[a] *For mixtures of radionuclides, see 2.2.7.2.2.4 to 2.2.7.2.2.6*

2.2.7.2.4.1.3 Radioactive material which is enclosed in or is included as a component part of an instrument or other manufactured article may be classified under UN No. 2911 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES only if:

(a) The radiation level at 10 cm from any point on the external surface of any unpackaged instrument or article is not greater than 0.1 mSv/h; and

(b) Each instrument or manufactured article bears the marking "RADIOACTIVE" except:

(i) radioluminescent time-pieces or devices;

(ii) consumer products that either have received regulatory approval according to 1.7.1.4 (d) or do not individually exceed the activity limit for an exempt consignment in Table 2.2.7.2.2.1 (column 5), provided such products are carried in a package that bears the marking "RADIOACTIVE" on an internal surface in such a manner that warning of the presence of radioactive material is visible on opening the package; and

(c) The active material is completely enclosed by non-active components (a device performing the sole function of containing radioactive material shall not be considered to be an instrument or manufactured article); and

(d) The limits specified in columns 2 and 3 of Table 2.2.7.2.4.1.2 are met for each individual item and each package, respectively.

2.2.7.2.4.1.4 Radioactive material in forms other than as specified in 2.2.7.2.4.1.3 and with an activity not exceeding the limits specified in column 4 of Table 2.2.7.2.4.1.2, may be classified under UN No. 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, provided that:

(a) The package retains its radioactive contents under routine conditions of carriage; and

(b) The package bears the marking "RADIOACTIVE" on an internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package.

2.2.7.2.4.1.5 An empty packaging which had previously contained radioactive material may be classified under UN No. 2908 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING, only if:

(a) It is in a well-maintained condition and securely closed;

(b) The outer surface of any uranium or thorium in its structure is covered with an inactive sheath made of metal or some other substantial material;

(c) The level of internal non-fixed contamination, when averaged over any 300 cm^2, does not exceed:

(i) 400 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters; and

(ii) 40 Bq/cm^2 for all other alpha emitters; and

(d) Any labels which may have been displayed on it in conformity with 5.2.2.1.11.1 are no longer visible.

2.2.7.2.4.1.6 Articles manufactured of natural uranium, depleted uranium or natural thorium and articles in which the sole radioactive material is unirradiated natural uranium, unirradiated depleted uranium or unirradiated natural thorium may be classified under UN No. 2909 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM, only if the outer surface of the uranium or thorium is enclosed in an inactive sheath made of metal or some other substantial material.

2.2.7.2.4.2 Classification as Low specific activity (LSA) material

Radioactive material may only be classified as LSA material if the definition of LSA in 2.2.7.1.3 and the conditions of 2.2.7.2.3.1, 4.1.9.2 and 7.5.11 CV33 (2) are met.

2.2.7.2.4.3 Classification as Surface contaminated object (SCO)

Radioactive material may be classified as SCO if the definition of SCO in 2.2.7.1.3 and the conditions of 2.2.7.2.3.2, 4.1.9.2 and 7.5.11 CV33 (2) are met.

2.2.7.2.4.4 Classification as Type A package

Packages containing radioactive material may be classified as Type A packages provided that the following conditions are met:

Type A packages shall not contain activities greater than the following:

(a) For special form radioactive material: A_1; or

(b) For all other radioactive material: A_2.

For mixtures of radionuclides whose identities and respective activities are known, the following condition shall apply to the radioactive contents of a Type A package:

$$\sum_i \frac{B(i)}{A(i)} + \sum_j \frac{C(j)}{A_2(j)} \leq 1$$

where: B(i) is the activity of radionuclide i as special form radioactive material;

A(i) is the A_1 value for radionuclide i;

C(j) is the activity of radionuclide j as other than special form radioactive material; and

$A_2(j)$ is the A_2 value for radionuclide j.

2.2.7.2.4.5 Classification of Uranium hexafluoride

Uranium hexafluoride shall only be assigned to UN Nos. 2977 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE, or 2978 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile-excepted.

2.2.7.2.4.5.1 Packages containing uranium hexafluoride shall not contain:

(a) A mass of uranium hexafluoride different from that authorized for the package design;

(b) A mass of uranium hexafluoride greater than a value that would lead to an ullage smaller than 5% at the maximum temperature of the package as specified for the plant systems where the package shall be used; or

(c) Uranium hexafluoride other than in solid form or at an internal pressure above atmospheric pressure when presented for carriage.

2.2.7.2.4.6 Classification as Type B(U), Type B(M) or Type C packages

2.2.7.2.4.6.1 Packages not otherwise classified in 2.2.7.2.4 (2.2.7.2.4.1 to 2.2.7.2.4.5) shall be classified in accordance with the competent authority approval certificate for the package issued by the country of origin of design.

2.2.7.2.4.6.2 A package may only be classified as a Type B(U) if it does not contain:

(a) Activities greater than those authorized for the package design;

(b) Radionuclides different from those authorized for the package design; or

(c) Contents in a form, or a physical or chemical state different from those authorized for the package design,

as specified in the certificate of approval.

2.2.7.2.4.6.3 A package may only be classified as a Type B(M) if it does not contain:

(a) Activities greater than those authorized for the package design,

(b) Radionuclides different from those authorized for the package design, or

(c) Contents in a form, or a physical or chemical state different from those authorized for the package design,

as specified in the certificate of approval.

2.2.7.2.4.6.4 A package may only be classified as a Type C if it does not contain:

(a) Activities greater than those authorized for the package design;

(b) Radionuclides different from those authorized for the package design, or

(c) Contents in a form, or physical or chemical state different from those authorized for the package design.

as specified in the certificate of approval.

2.2.7.2.5 *Special arrangements*

Radioactive material shall be classified as transported under special arrangement when it is intended to be carried in accordance with 1.7.4.

2.2.8 Class 8 Corrosive substances

2.2.8.1 ***Criteria***

2.2.8.1.1 The heading of Class 8 covers substances and articles containing substances of this class which by chemical action attack epithelial tissue - of skin or mucous membranes - with which they are in contact, or which in the event of leakage are capable of damaging or destroying other goods, or means of transport. The heading of this class also covers other substances which form a corrosive liquid only in the presence of water, or which produce corrosive vapour or mist in the presence of natural moisture of the air.

2.2.8.1.2 Substances and articles of Class 8 are subdivided as follows:

C1-C11 Corrosive substances without subsidiary risk and articles containing such substances:

- C1-C4 Acid substances:
  - C1 Inorganic, liquid;
  - C2 Inorganic, solid;
  - C3 Organic, liquid;
  - C4 Organic, solid;
- C5-C8 Basic substances:
  - C5 Inorganic, liquid;
  - C6 Inorganic, solid;
  - C7 Organic, liquid;
  - C8 Organic, solid;
- C9-C10 Other corrosive substances:
  - C9 Liquid;
  - C10 Solid;
- C11 Articles.

CF Corrosive substances, flammable:
- CF1 Liquid;
- CF2 Solid;

CS Corrosive substances, self-heating:
- CS1 Liquid;
- CS2 Solid;

CW Corrosive substances which, in contact with water, emit flammable gases:
- CW1 Liquid;
- CW2 Solid;

CO Corrosive substances, oxidizing:
- CO1 Liquid;
- CO2 Solid;

CT Corrosive substances, toxic and articles containing such substances:
- CT1 Liquid;
- CT2 Solid;
- CT3 Articles;

CFT Corrosive substances, flammable, liquid, toxic;

COT Corrosive substances, oxidizing, toxic

Classification and assignment of packing groups

2.2.8.1.3 Substances of Class 8 shall be classified in three packing groups according to the degree of danger they present for carriage, as follows:

Packing group I:	highly corrosive substances
Packing group II	corrosive substances
Packing group III:	slightly corrosive substances.

2.2.8.1.4 Substances and articles classified in Class 8 are listed in Table A of Chapter 3.2. Allocation of substances to packing groups I, II and III has been made on the basis of experience taking into account such additional factors as inhalation risk (see 2.2.8.1.5) and reactivity with water (including the formation of dangerous decomposition products).

2.2.8.1.5 A substance or preparation meeting the criteria of Class 8 having an inhalation toxicity of dusts and mists (LC50) in the range of packing group I but toxicity through oral ingestion or dermal contact only in the range of packing group III or less, shall be allocated to Class 8.

2.2.8.1.6 Substances, including mixtures, not mentioned by name in Table A of Chapter 3.2 can be assigned to the relevant entry of sub-section 2.2.8.3, and to the relevant packing group on the basis of the length of time of contact necessary to produce full thickness destruction of human skin in accordance with the criteria of (a) to (c) below.

Liquids, and solids which may become liquid during carriage, which are judged not to cause full thickness destruction of human skin shall still be considered for their potential to cause corrosion to certain metal surfaces. In assigning the packing group, account shall be taken of human experience in instances of accidental exposure. In the absence of human experience, the grouping shall be based on data obtained from experiments in accordance with OECD Test Guideline 404[7] or 435[8]. A substance which is determined not to be corrosive in accordance with OECD Test Guideline 430[9] or 431[10] may be considered not to be corrosive to skin for the purposes of ADR without further testing.

(a) Packing group I is assigned to substances that cause full thickness destruction of intact skin tissue within an observation period up to 60 minutes starting after the exposure time of 3 minutes or less;

(b) Packing group II is assigned to substances that cause full thickness destruction of intact skin tissue within an observation period up to 14 days starting after the exposure time of more than 3 minutes but not more than 60 minutes;

(c) Packing group III is assigned to substances that:

- cause full thickness destruction of intact skin tissue within an observation period up to 14 days starting after the exposure time of more than 60 minutes but not more than 4 hours; or
- are judged not to cause full thickness destruction of intact skin tissue, but which exhibit a corrosion rate on either steel or aluminium surfaces exceeding 6.25 mm a year at a test temperature of 55 °C when tested on both materials.

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[7] *OECD Guideline for the testing of chemicals No. 404 "Acute Dermal Irritation/Corrosion" 2002.*

[8] *OECD Guideline for the testing of chemicals No. 435 "In Vitro Membrane Barrier Test Method for Skin Corrosion" 2006.*

[9] *OECD Guideline for the testing of chemicals No. 430 "In Vitro Skin Corrosion: Transcutaneous Electrical Resistance Test (TER)" 2004.*

[10] *OECD Guideline for the testing of chemicals No. 431 "In Vitro Skin Corrosion: Human Skin Model Test" 2004.*

For the purposes of testing steel, type S235JR+CR (1.0037 resp. St 37-2), S275J2G3+CR (1.0144 resp. St 44-3), ISO 3574, Unified Numbering System (UNS) G10200 or SAE 1020, and for testing aluminium, non-clad, types 7075-T6 or AZ5GU-T6 shall be used. An acceptable test is prescribed in the Manual of Tests and Criteria, Part III, Section 37.

NOTE: *Where an initial test on either steel or aluminium indicates the substance being tested is corrosive the failure up test on the other metal is not required.*

Table 2.2.8.1.6: Table summarizing the criteria in 2.2.8.1.6

Packing Group	Exposure Time	Observation Period	Effect
I	≤ 3 min	≤ 60 min	Full thickness destruction of intact skin
II	> 3 min ≤ 1 h	≤ 14 d	Full thickness destruction of intact skin
III	> 1 h ≤ 4 h	≤ 14 d	Full thickness destruction of intact skin
III		-	Corrosion rate on either steel or aluminium surfaces exceeding 6.25 mm a year at a test temperature of 55 °C when tested on both materials

2.2.8.1.7 If substances of Class 8, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong, on the basis of their actual degree of danger.

NOTE: *For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.*

2.2.8.1.8 On the basis of the criteria set out in paragraph 2.2.8.1.6, it may also be determined whether the nature of a solution or mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the provisions for this class.

2.2.8.1.9 Substances, solutions and mixtures, which

- do not meet the criteria of Directives 67/548/EEC [3] or 1999/45/EC [4] as amended and therefore are not classified as corrosive according to these directives, as amended, and
- do not exhibit a corrosive effect on steel or aluminium;

may be considered as substances not belonging to Class 8.

NOTE: *UN No. 1910 calcium oxide and UN No. 2812 sodium aluminate, listed in the UN Model Regulations, are not subject to the provisions of ADR.*

2.2.8.2 *Substances not accepted for carriage*

2.2.8.2.1 The chemically unstable substances of Class 8 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization

[3] *Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. L 196 of 16.08.1967).*

[4] *Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 on the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200 of 30 July 1999).*

during carriage. To this end it shall in particular be ensured that receptacles and tanks do not contain any substance liable to promote these reactions.

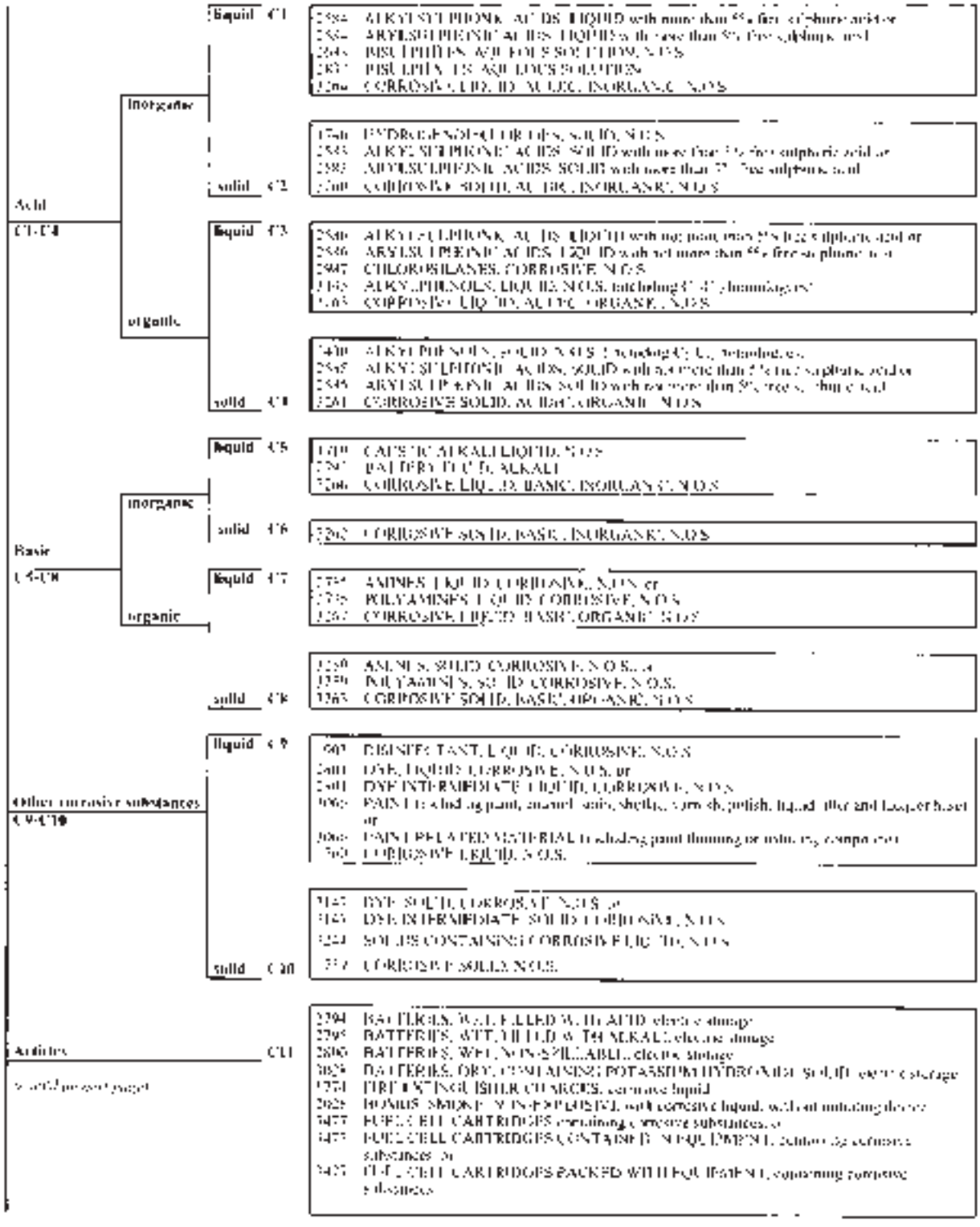
2.2.8.2.2 The following substances shall not be accepted for carriage:

- UN No. 1798 NITROHYDROCHLORIC ACID;
- chemically unstable mixtures of spent sulphuric acid,
- chemically unstable mixtures of nitrating acid or mixtures of residual sulphuric and nitric acids, not denitrated;

perchloric acid aqueous solution with more than 72% pure acid, by mass, or mixtures of perchloric acid with any liquid other than water.

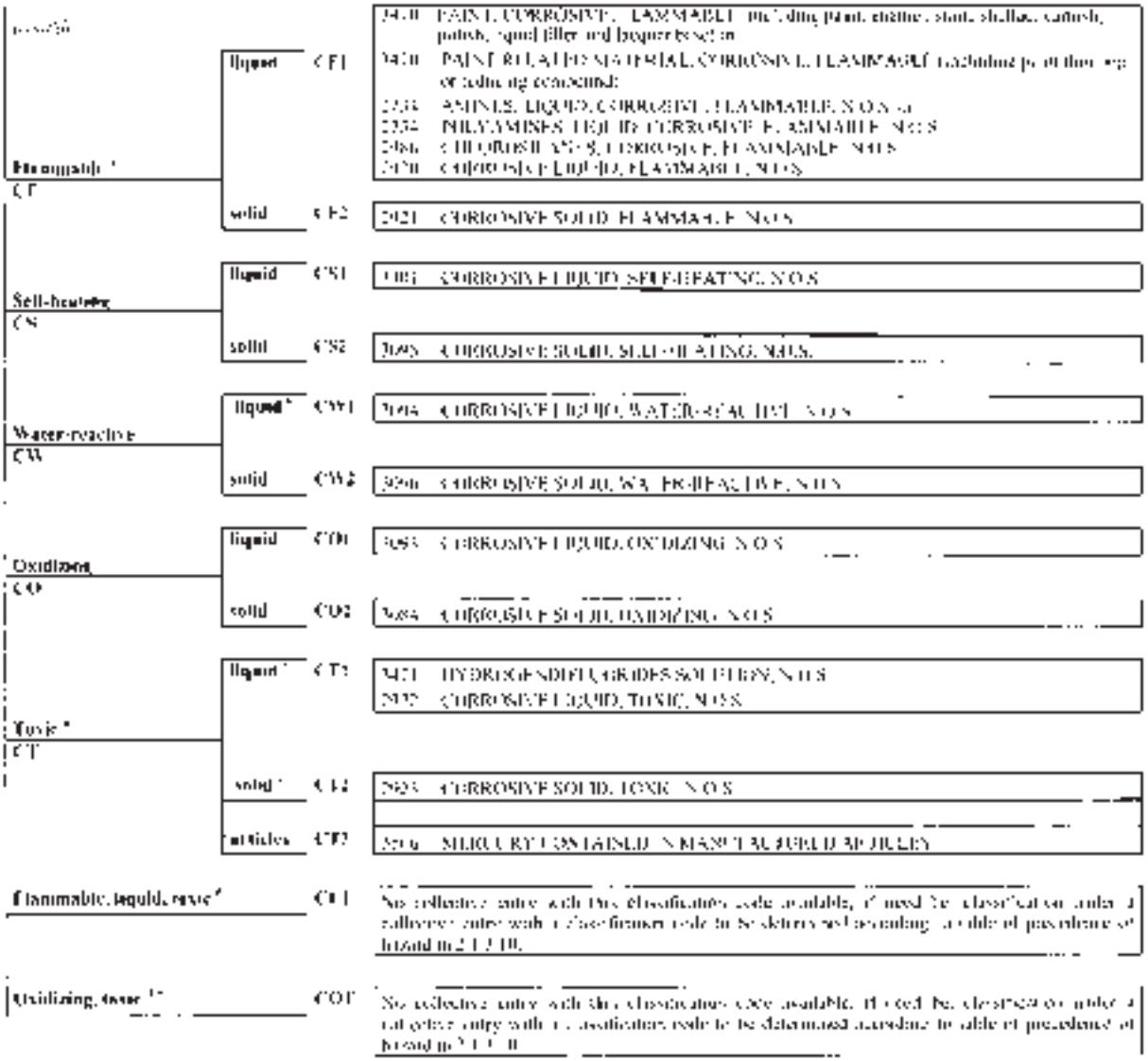
2.2.8.3 *List of collective entries*

Corrosive substances without subsidiary risk and articles containing such substances



* *Mixtures of solids which are not subject to the provisions of ADR and of corrosive liquids may be carried under UN No. 3244 without being subject to the classification criteria of Class 8, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, container or transport unit is closed. Each packaging shall correspond to a design type which has passed the leakproofness test for Packing group II level.*

Corrosive substances with subsidiary risk(s) and articles containing such substances



[b] *Chlorosilanes which, in contact with water or moist air, emit flammable gases, are substances of Class 4.3.*

[c] *Chloroformates having predominantly toxic properties are substances of Class 6.1.*

[d] *Corrosive substances which are highly toxic by inhalation, as defined in 2.2.61.1.4 to 2.2.61.1.9 are substances of Class 6.1.*

[e] *UN No. 2505 AMMONIUM FLUORIDE, UN No. 1812 POTASSIUM FLUORIDE, SOLID, UN No. 1690 SODIUM FLUORIDE, SOLID, UN No. 2674 SODIUM FLUOROSILICATE, UN No. 2856 FLUOROSILICATES, N.O.S., UN No. 3415 SODIUM FLUORIDE, SOLUTION and UN No. 3422 POTASSIUM FLUORIDE, SOLUTION are substances of Class 6.1.*

2.2.9 Class 9 Miscellaneous dangerous substances and articles

2.2.9.1 ***Criteria***

2.2.9.1.1 The heading of Class 9 covers substances and articles which, during carriage, present a danger not covered by the heading of other classes.

2.2.9.1.2 The substances and articles of Class 9 are subdivided as follows:

M1 Substances which, on inhalation as fine dust, may endanger health;

M2 Substances and apparatus which, in the event of fire, may form dioxins;

M3 Substances evolving flammable vapour;

M4 Lithium batteries;

M5 Life-saving appliances;

M6-M8 Environmentally hazardous substances:

M6 Pollutant to the aquatic environment, liquid;
M7 Pollutant to the aquatic environment, solid;
M8 Genetically modified micro-organisms and organisms;

M9-M10 Elevated temperature substances:

M9 Liquid;
M10 Solid;

M11 Other substances presenting a danger during carriage, but not meeting the definitions of another class.

Definitions and classification

2.2.9.1.3 Substances and articles classified in Class 9 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of that Table or of sub-section 2.2.9.3 shall be done in accordance with 2.2.9.1.4 to 2.2.9.1.14 below.

Substances which, on inhalation as fine dust, may endanger health

2.2.9.1.4 Substances which, on inhalation as fine dust, may endanger health include asbestos and mixtures containing asbestos.

Substances and apparatus which, in the event of fire, may form dioxins

2.2.9.1.5 Substances and apparatus which, in the event of fire, may form dioxins include polychlorinated biphenyls (PCBs) and terphenyls (PCTs) and polyhalogenated biphenyls and terphenyls and mixtures containing these substances, as well as apparatus such as transformers, condensers and apparatus containing those substances or mixtures.

NOTE: *Mixtures with a PCB or PCT content of not more than 50 mg/kg are not subject to the provisions of ADR.*

Substances evolving flammable vapour

2.2.9.1.6 Substances evolving flammable vapour include polymers containing flammable liquids with a flash-point not exceeding 55 °C.

Lithium batteries

2.2.9.1.7 Cells and batteries, cells and batteries contained in equipment, or cells and batteries packed with equipment, containing lithium in any form shall be assigned to UN Nos. 3090, 3091, 3480 or 3481 as appropriate. They may be carried under these entries if they meet the following provisions:

(a) Each cell or battery is of a type proved to meet the requirements of each test of the Manual of Tests and Criteria, Part III, sub-section 38.3;

NOTE: *Batteries shall be of a type proved to meet the testing requirements of the Manual of Tests and Criteria, part III, sub section 38.3 irrespective of whether the cells of which they are composed are of a tested type.*

(b) Each cell and battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage;

(c) Each cell and battery is equipped with an effective means of preventing external short circuits;

(d) Each battery containing cells or series of cells connected in parallel is equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.);

(e) Cells and batteries shall be manufactured under a quality management programme that includes:

(i) A description of the organizational structure and responsibilities of personnel with regard to design and product quality;

(ii) The relevant inspection and test, quality control, quality assurance, and process operation instructions that will be used;

(iii) Process controls that should include relevant activities to prevent and detect internal short circuit failure during manufacture of cells;

(iv) Quality records, such as inspection reports, test data, calibration data and certificates. Test data shall be kept and made available to the competent authority upon request;

(v) Management reviews to ensure the effective operation of the quality management programme;

(vi) A process for control of documents and their revision;

(vii) A means for control of cells or batteries that are not conforming to the type tested as mentioned in (a) above;

(viii) Training programmes and qualification procedures for relevant personnel; and

(ix) Procedures to ensure that there is no damage to the final product.

NOTE: *In lieu, quality management programmes may be accepted. Third party certification is not required, but the procedures listed in (i) to (x) above shall be properly recorded and traceable. A copy of the quality management programme shall be made available to the competent author ity upon request.*

Lithium batteries are not subject to the provisions of ADR if they meet the requirements of special provision 188 of Chapter 3.3.

NOTE: The entry UN 3171 Battery-powered vehicle or UN 3171 Battery-powered equipment only applies to vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and equipment powered by wet batteries or sodium batteries transported with these batteries installed.

For the purpose of the UN number, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are electrically powered cars, motorcycles, scooters, three- and four-wheeled vehicles or motorcycles, e-bikes, wheelchairs, lawn tractors, boats and aircraft.

Examples of equipment are lawnmowers, cleaning machines or model boats and model aircraft. Equipment powered by lithium metal batteries or lithium ion batteries shall be consigned under the entries UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or UN 3091 LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT or UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or UN 3481 LITHIUM ION BATTERIES PACKED WITH EQUIPMENT, as appropriate.

Hybrid electric vehicles powered by both an internal combustion engine and wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed shall be classified under the entries UN 3166 vehicle, flammable gas powered or UN 3166 vehicle, flammable liquid powered, as appropriate. Vehicles which contain a fuel cell shall be classified under the entries UN 3166 vehicle, fuel cell, flammable gas powered or UN 3166 vehicle, fuel cell, flammable liquid powered, as appropriate.

Life-saving appliances

2.2.9.1.8 Life-saving appliances include life-saving appliances and motor vehicle components which meet the descriptions of special provisions 235 or 296 of Chapter 3.3.

Environmentally hazardous substances

2.2.9.1.9 *(Deleted)*

Pollutants to the aquatic environment

2.2.9.1.10 *Environmentally hazardous substances (aquatic environment)*

2.2.9.1.10.1 General definitions

2.2.9.1.10.1.1 Environmentally hazardous substances are, inter alia, liquid or solid substances pollutant to the aquatic environment and solutions and mixtures of such substances (such as preparations and wastes).

For the purposes of 2.2.9.1.10, *'substance'* means chemical elements and their compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the product and any impurities deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition.

2.2.9.1.10.1.2 The aquatic environment may be considered in terms of the aquatic organisms that live in the water, and the aquatic ecosystem of which they are part[1]. The basis, therefore, of the identification of hazard is the aquatic toxicity of the substance or mixture, although this may be modified by further information on the degradation and bioaccumulation behaviour

[1] *This does not address aquatic pollutants for which there may be a need to consider effects beyond the aquatic environment such as the impacts on human health, etc.*

2.2.9.1.10.1.3 While the following classification procedure is intended to apply to all substances and mixtures, it is recognised that in some cases, e.g. metals or poorly soluble inorganic compounds, special guidance will be necessary[12]

2.2.9.1.10.1.4 The following definitions apply for acronyms or terms used in this section:

- BCF: Bioconcentration Factor;
- BOD: Biochemical Oxygen Demand;
- COD: Chemical Oxygen Demand,
- GLP: Good Laboratory Practices,
- EC_x: the concentration associated with x% response;
- EC_{50}: the effective concentration of substance that causes 50% of the maximum response;
- ErCx: EC_x in terms of reduction of growth;
- Kow: octanol/water partition coefficient,
- LC_{50} (50% lethal concentration): the concentration of a substance in water which causes the death of 50% (one half) in a group of test animals,
- $L(E)C_x$: LC_x or EC_x,
- NOEC (No Observed Effect Concentration): the test concentration immediately below the lowest tested concentration with statistically significant adverse effect. The NOEC has no statistically significant adverse effect compared to the control;
- OECD Test Guidelines: Test guidelines published by the Organization for Economic Cooperation and Development (OECD).

2.2.9.1.10.2 Definitions and data requirements

2.2.9.1.10.2.1 The basic elements for classification of environmentally hazardous substances (aquatic environment) are:

(a) Acute aquatic toxicity;
(b) Chronic aquatic toxicity;
(c) Potential for or actual bioaccumulation, and
(d) Degradation (biotic or abiotic) for organic chemicals.

2.2.9.1.10.2.2 While data from internationally harmonised test methods are preferred, in practice, data from national methods may also be used where they are considered as equivalent. In general, it has been agreed that freshwater and marine species toxicity data can be considered as equivalent data and are preferably to be derived using OECD Test Guidelines or equivalent according to the principles of Good Laboratory Practices (GLP). Where such data are not available, classification shall be based on the best available data.

2.2.9.1.10.2.3 *Acute aquatic toxicity* means the intrinsic property of a substance to be injurious to an organism in a short-term aquatic exposure to that substance.

Acute (short-term) hazard, for classification purposes, means the hazard of a chemical caused by its acute toxicity to an organism during short-term aquatic exposure to that chemical.

Acute aquatic toxicity shall normally be determined using a fish 96 hour LC_{50} (OECD Test Guideline 203 or equivalent), a crustacea species 48 hour EC_{50} (OECD Test Guideline 202 or equivalent) and/or an algal species 72 or 96 hour EC_{50} (OECD Test Guideline 201 or equivalent). These species are considered as surrogate for all aquatic organisms and data on other species such as Lemna may also be considered if the test methodology is suitable.

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[12] *This can be found in Annex 10 of the GHS.*

2.2.9.1.10.2.4 *Chronic aquatic toxicity* means the intrinsic property of a substance to cause adverse effects to aquatic organisms during aquatic exposures which are determined in relation to the life cycle of the organism.

Long-term hazard, for classification purposes, means the hazard of a chemical caused by its chronic toxicity following long-term exposure in the aquatic environment.

Chronic toxicity data are less available than acute data and the range of testing procedures less standardised. Data generated according to the OECD Test Guidelines 210 (Fish Early Life Stage) or 211 (Daphnia Reproduction) and 201 (Alga, Growth Inhibition) may be accepted. Other validated and internationally accepted tests may also be used. The NOEC's or other equivalent EC, shall be used.

2.2.9.1.10.2.5 *Bioaccumulation* means net result of uptake, transformation and elimination of a substance in an organism due to all routes of exposure (i.e. air, water, sediment/soil and food).

The potential for bioaccumulation shall normally be determined by using the octanol/water partition coefficient, usually reported as a log K_{ow}, determined according to OECD Test Guideline 107 or 117. While this represents a potential to bioaccumulate, an experimentally determined Bioconcentration Factor (BCF) provides a better measure and shall be used in preference when available. A BCF shall be determined according to OECD Test Guideline 305.

2.2.9.1.10.2.6 *Degradation* means the decomposition of organic molecules to smaller molecules and eventually to carbon dioxide, water and salts.

Environmental degradation may be biotic or abiotic (e.g. hydrolysis) and the criteria used reflect this fact. Ready biodegradation is most easily defined using the biodegradability tests (A-F) of OECD Test Guideline 301. A pass level in these tests may be considered as indicative of rapid degradation in most environments. These are fresh-water tests and thus the use of the results from OECD Test Guideline 306, which is more suitable for marine environments, has also been excluded. Where such data are not available, a BOD(5 days)/COD ratio ≥ 0.5 is considered as indicative of rapid degradation.
Abiotic degradation such as hydrolysis, primary degradation, both abiotic and biotic, degradation in non-aquatic media and proven rapid degradation in the environment may all be considered in defining rapid degradability [1].

Substances are considered rapidly degradable in the environment if the following criteria are met:

(a) In 28-day ready biodegradation studies, the following levels of degradation are achieved:

(i) Tests based on dissolved organic carbon: 70%;

(ii) Tests based on oxygen depletion or carbon dioxide generation: 60% of theoretical maxima;

These levels of biodegradation shall be achieved within 10 days of the start of degradation which point is taken as the time when 10% of the substance has been degraded ", unless the substance is identified as a complex, multi-component substance with structurally similar constituents. In this case, and where there is

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[1] *Special guidance on data interpretation is provided in Chapter 4.1 and Annex 9 of the GHS.*

sufficient justification, the 10-day window condition may be waived and the pass level applied at 28 days[14]; or

(b) In those cases where only BOD and COD data are available, when the ratio of BOD5/COD is ≥ 0.5; or

(c) If other convincing scientific evidence is available to demonstrate that the substance or mixture can be degraded (biotically and/or abiotically) in the aquatic environment to a level above 70% within a 28 day period.

2.2.9.1.10.3 Substance classification categories and criteria

2.2.9.1.10.3.1 Substances shall be classified as "environmentally hazardous substances (aquatic environment)", if they satisfy the criteria for Acute 1, Chronic 1 or Chronic 2, according to Table 2.2.9.1.10.3.1. These criteria describe in detail the classification categories. They are diagrammatically summarized in Table 2.2.9.1.10.3.2.

[14] *See Chapter 4.1 and Annex 9, paragraph 49.4.2.2.1 of the ADR.*

Table 2.2.9.1.10.3.1: Categories for substances hazardous to the aquatic environment (see *Note 1*)

(a) Acute (short-term) aquatic hazard

Category Acute 1: (see *Note 2*)	
96 hr LC_{50} (for fish)	≤ 1 mg/l and/or
48 hr EC_{50} (for crustacea)	≤ 1 mg/l and/or
72 or 96 hr ErC_{50} (for algae or other aquatic plants)	≤ 1 mg/l (see *Note 3*)

(b) Long-term aquatic hazard (see also *Figure 2.2.9.1.10.3.1*)

(i) Non-rapidly degradable substances (see *Note 4*) for which there are adequate chronic toxicity data available

Category Chronic 1: (see *Note 2*)	
Chronic NOEC or EC_x (for fish)	≤ 1 mg/l and/or
Chronic NOEC or EC_x (for crustacea)	≤ 1 mg/l and/or
Chronic NOEC or EC_x (for algae or other aquatic plants)	≤ 1 mg/l
Category Chronic 2:	
Chronic NOEC or EC_x (for fish)	≤ 1 mg/l and/or
Chronic NOEC or EC_x (for crustacea)	≤ 1 mg/l and/or
Chronic NOEC or EC_x (for algae or other aquatic plants)	≤ 1 mg/l

(ii) Rapidly degradable substances for which there are adequate chronic toxicity data available

Category Chronic 1: (see *Note 2*)	
Chronic NOEC or EC_x (for fish)	≤ 0.01 mg/l and/or
Chronic NOEC or EC_x (for crustacea)	≤ 0.01 mg/l and/or
Chronic NOEC or EC_x (for algae or other aquatic plants)	≤ 0.01 mg/l
Category Chronic 2:	
Chronic NOEC or EC_x (for fish)	≤ 0.1 mg/l and/or
Chronic NOEC or EC_x (for crustacea)	≤ 0.1 mg/l and/or
Chronic NOEC or EC_x (for algae or other aquatic plants)	≤ 0.1 mg/l

(iii) Substances for which adequate chronic toxicity data are not available

Category Chronic 1: (see *Note 2*)	
96 hr LC_{50} (for fish)	≤ 1 mg/l and/or
48 hr EC_{50} (for crustacea)	≤ 1 mg/l and/or
72 or 96 hr ErC_{50} (for algae or other aquatic plants)	≤ 1 mg/l (see *Note 3*)
and the substance is not rapidly degradable and/or the experimentally determined BCF is ≥ 500 (or, if absent, the log K_{ow} ≥ 4) (see *Notes 4 and 5*).	
Category Chronic 2:	
96 hr LC_{50} (for fish)	> but ≤ 10 mg/l and/or
48 hr EC_{50} (for crustacea)	> but ≤ 10 mg/l and/or
72 or 96 hr ErC_{50} (for algae or other aquatic plants)	> but ≤ 10 mg/l (see *Note 3*)
and the substance is not rapidly degradable, and/or the experimentally determined BCF is ≥ 500 (or, if absent, the log K_{ow} ≥ 4) (see *Notes 4 and 5*).	

NOTE 1: *The organisms fish, crustacea and algae are tested as surrogate species covering a range of trophic levels and taxa and the test methods are highly standardised. Data on other organisms may also be considered, however, provided they represent equivalent species and test endpoints.*

NOTE 2: *When classifying substances as Acute 1 and/or Chronic 1 it is necessary at the same time to indicate an appropriate M-factor (see 2.2.9.1.10.4.6.1) to apply the summation method.*

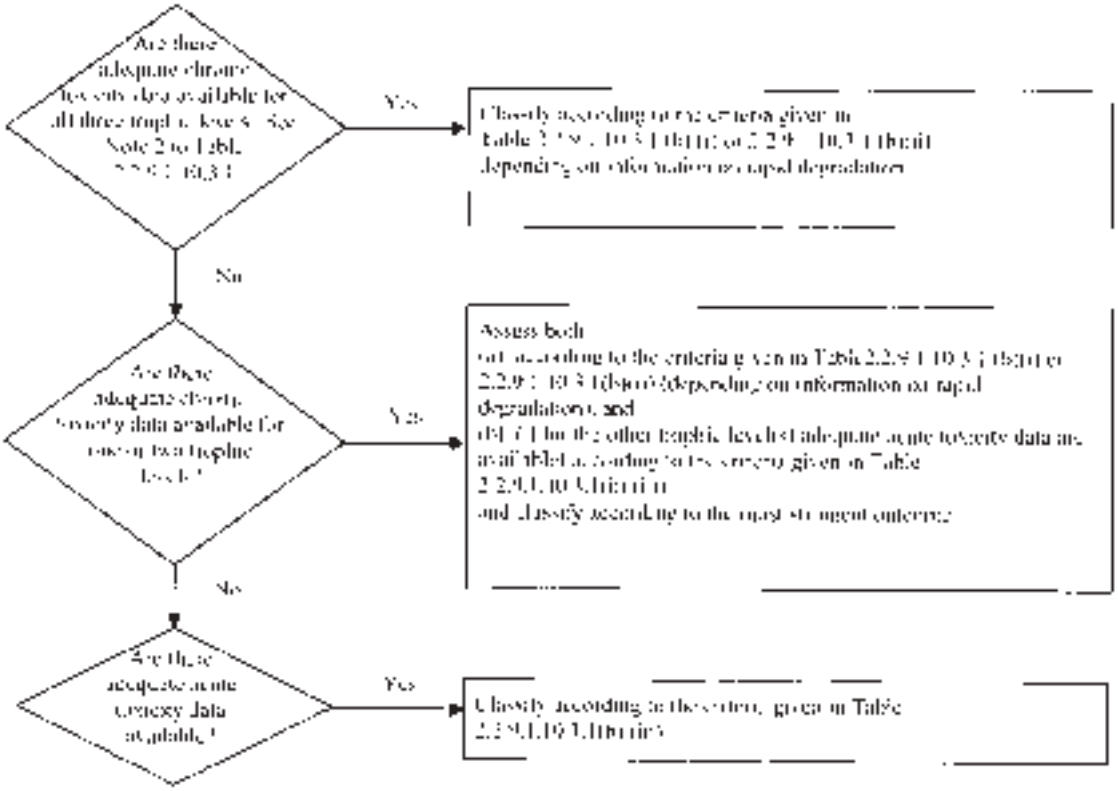
NOTE 3: *Where the algal toxicity ErC_{50} (EC_{50} growth rate) falls more than 100 times below the next most sensitive species and results in a classification based solely on this effect, consideration shall be given as to whether this toxicity is representative of the toxicity to*

aquatic plants. Where it can be shown that this is not the case, professional judgment shall be used in deciding if classification shall be applied. Classification shall be based on the ErC$_x$. In circumstances where the form of the EC$_x$ is not specified and no ErC$_x$ is recorded, classification shall be based on the lowest EC$_x$ available.

NOTE 4: *Lack of rapid degradability is based on either a lack of ready biodegradability or other evidence of lack of rapid degradation. Where no useful data on degradability are available either experimentally determined or estimated data, the substance shall be regarded as not rapidly degradable.*

NOTE 5: *Potential to bioaccumulate, based on an experimentally derived BCF ≥ 500 or, if absent, a log K_{ow} ≥ 4 provided log K_{ow} is an appropriate descriptor for the bioaccumulation potential of the substance. Measured log K_{ow} values take precedence over estimated values and measured BCF values take precedence over log K_{ow} values.*

Figure 2.2.9.1.10.3.1: Categories for substances long-term hazardous to the aquatic environment



2.2.9.1.10.3.2 The classification scheme in Table 2.2.9.1.10.3.2 below summarizes the classification criteria for substances

Table 2.2.9.1.10.3.2: Classification scheme for substances hazardous to the aquatic environment

Acute hazard (see Note 1)	Classification categories: Long-term hazard (see Note 1) — Adequate chronic toxicity data available: Non-rapidly degradable substances (see Note 3)	Adequate chronic toxicity data available: Rapidly degradable substances (see Note 3)	Adequate chronic toxicity data not available (see Note 1)
Category: Acute 1	Category: Chronic 1	Category: Chronic 1	Category: Chronic 1
$L(E)C_{50} \leq 1.00$	NOEC or $L(E)C_x \leq 0.1$	NOEC or $L(E)C_x < 0.01$	$L(E)C_{50} \leq 1.00$ and lack of rapid degradability and/or BCF $\geq$ 500 or, if absent log $K_{ow} \geq 4$
	Category: Chronic 2	Category: Chronic 2	Category: Chronic 2
	$0.1 <$ NOEC or $EL_x \leq 1.00$	$0.01 \leq$ NOEC or $EL_x \leq 0.1$	$1.00 < L(E)C_{50} \leq 10.0$ and lack of rapid degradability and/or BCF $\geq$ 500 or, if absent log $K_{ow} \geq 4$

NOTE 1: *Acute toxicity based on $L(E)C_{50}$ values or equivalent for fish, crustacea and/or algae or other aquatic plants (or Quantitative Structure Activity Relationships (QSAR) estimation if no experimental data)[1].*

[1] *Special guidance is provided in Chapter 4.1, paragraph 4.1.2.13 and Annex 9, Section 4.2.6 of the GHS.*

NOTE 2: *Substances are classified in the various chronic categories unless there are adequate chronic toxicity data available for all three trophic levels above the water solubility or above 1 mg/l. "Adequate" means that the data sufficiently cover the endpoint of concern. Generally this would mean standard test data, but in order to avoid unnecessary testing it can on a case by case basis also be estimated data, e.g. (Q)SAR, or for anions / cations expert judgement.*

NOTE 3: *Chronic toxicity band based on NOEC or equivalent or EC, values in mg/l for fish or similar or on other recognized measures for chronic toxicity.*

2.2.9.1.10.4 Mixtures classification categories and criteria

2.2.9.1.10.4.1 The classification system for mixtures covers the classification categories which are used for substances, meaning categories Acute 1 and Chronic 1 and 2. In order to make use of all available data for purposes of classifying the aquatic environmental hazards of the mixture, the following assumptions is made and is applied where appropriate:

The "relevant ingredients" of a mixture are those which are present in a concentration equal to or greater than 0.1% (by mass) for ingredients classified as Acute and/or Chronic 1 and equal to or greater than 1% for other ingredients, unless there is a presumption (e.g. in the case of highly toxic ingredients) that an ingredient present at less than 0.1% can still be relevant for classifying the mixture for aquatic environmental hazards.

2.2.9.1.10.4.2 The approach for classification of aquatic environmental hazards is tiered, and is dependent upon the type of information available for the mixture itself and for its ingredients. Elements of the tiered approach include:

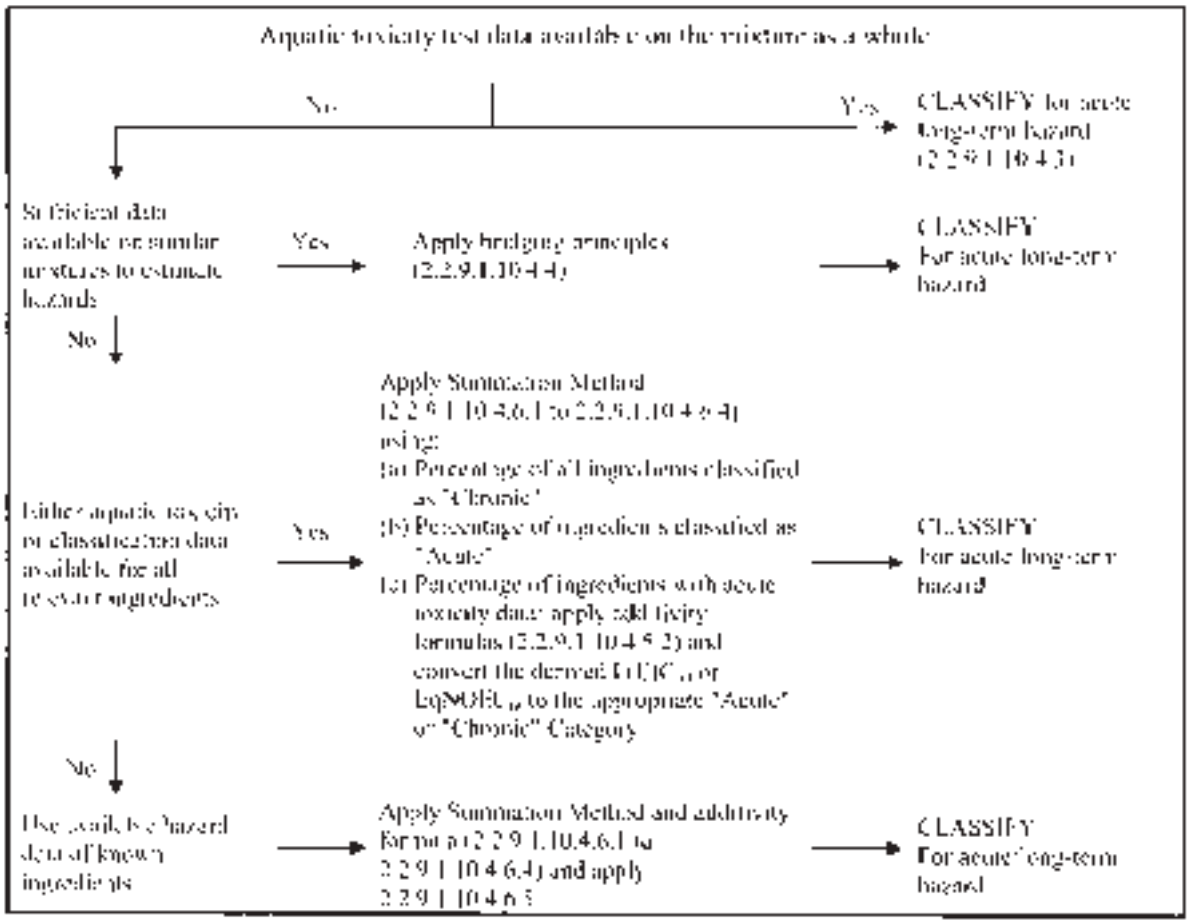
(a) Classification based on tested mixtures;

(b) Classification based on bridging principles;

(c) The use of "summation of classified ingredients" and/or an "additivity formula".

Figure 2.2.9.1.10.4.2 below outlines the process to be followed:

Figure 2.2.9.1.10.4.2: Tiered approach to classification of mixtures for acute and long-term aquatic environmental hazards



2.2.9.1.10.4.3 Classification of mixtures when toxicity data are available for the complete mixture

2.2.9.1.10.4.3.1 When the mixture as a whole has been tested to determine its aquatic toxicity, this information shall be used for classifying the mixture according to the criteria that have been agreed for substances. The classification is normally based on the data for fish, crustacea and algae/plants (see 2.2.9.1.10.2.3 and 2.2.9.1.10.2.4). When adequate acute or chronic data for the mixture as a whole are lacking, "bridging principles" or "summation method" shall be applied (see 2.2.9.1.10.4.4 to 2.2.9.1.10.4.6).

2.2.9.1.10.4.3.2 The long-term hazard classification of mixtures requires additional information on degradability and in certain cases bioaccumulation. There are no degradability and bioaccumulation data for mixtures as a whole. Degradability and bioaccumulation tests for mixtures are not used as they are usually difficult to interpret, and such tests may be meaningful only for single substances.

2.2.9.1.10.4.3.3 Classification for category Acute 1

(a) When there are adequate acute toxicity test data (LC_{50} or EC_{50}) available for the mixture as a whole showing $L(E)C_{50} \leq 1$ mg/l:

Classify the mixture as Acute 1 in accordance with Table 2.2.9.1.10.3.1 (a).

(b) When there are acute toxicity test data (LC_{50}(s) or EC_{50}(s)) available for the mixture as a whole showing L(E)C_{50}(s) > 1 mg/l, or above the water solubility.

No need to classify for acute hazard under ADR

2.2.9.1.10.4.3.4 Classification for categories Chronic 1 and 2

(a) When there are adequate chronic toxicity data (EC, or NOEC) available for the mixture as a whole showing EC, or NOEC of the tested mixture ≤ 1mg/l:

(i) classify the mixture as Chronic 1 or 2 in accordance with Table 2.2.9.1.10.3.1 (b) (ii) (rapidly degradable) if the available information allows the conclusion that all relevant ingredients of the mixture are rapidly degradable;

(ii) classify the mixture as Chronic 1 or 2 in all other cases in accordance with Table 2.2.9.1.10.3.1 (b) (i) (non-rapidly degradable);

(b) When there are adequate chronic toxicity data (EC, or NOEC) available for the mixture as a whole showing EC_{50}(s) or NOEC(s) of the tested mixture > 1mg/l or above the water solubility:

No need to classify for long-term hazard under ADR.

2.2.9.1.10.4.4 Classification of mixtures when toxicity data are not available for the complete mixture: bridging principles

2.2.9.1.10.4.4.1 Where the mixture itself has not been tested to determine its aquatic environmental hazard, but there are sufficient data on the individual ingredients and similar tested mixtures to adequately characterise the hazards of the mixture, these data shall be used in accordance with the following agreed bridging rules. This ensures that the classification process uses the available data to the greatest extent possible in characterising the hazards of the mixture without the necessity for additional testing in animals.

2.2.9.1.10.4.4.2 Dilution

Where a new mixture is formed by diluting a tested mixture or a substance with a diluent which has an equivalent or lower aquatic hazard classification than the least toxic original ingredient and which is not expected to affect the aquatic hazards of other ingredients, then the resulting mixture shall be classified as equivalent to the original tested mixture or substance. Alternatively, the method explained in 2.2.9.1.10.4.5 may be applied.

2.2.9.1.10.4.4.3 Batching

The aquatic hazard classification of a tested production batch of a mixture shall be assumed to be substantially equivalent to that of another untested production batch of the same commercial product when produced by or under the control of the same manufacturer, unless there is reason to believe there is significant variation such that the aquatic hazard classification of the untested batch has changed. If the latter occurs, new classification is necessary.

2.2.9.1.10.4.4.4 Concentration of mixtures which are classified with the most severe classification categories (Chronic 1 and Acute 1)

If a tested mixture is classified as Chronic 1 and/or Acute 1 and the ingredients of the mixture which are classified as Chronic 1 and/or Acute 1 are further concentrated, the more concentrated untested mixture shall be classified with the same classification category as the original tested mixture without additional testing.

2.2.9.1.10.4.4.5 Interpolation within one toxicity category

For three mixtures (A, B and C) with identical ingredients, where mixtures A and B have been tested and are in the same toxicity category, and where untested mixture C has the same toxicologically active ingredients as mixtures A and B but has concentrations of toxicologically active ingredients intermediate to the concentrations in mixtures A and B, then mixture C is assumed to be in the same category as A and B.

2.2.9.1.10.4.4.6 Substantially similar mixtures

Given the following:

(a) Two mixtures:

(i) A + B;

(ii) C + B;

(b) The concentration of ingredient B is essentially the same in both mixtures;

(c) The concentration of ingredient A in mixture (i) equals that of ingredient C in mixture (ii);

(d) Data on aquatic hazards for A and C are available and are substantially equivalent, i.e. they are in the same hazard category and are not expected to affect the aquatic toxicity of B.

If mixture (i) or (ii) is already classified based on test data, then the other mixture can be assigned the same hazard category.

2.2.9.1.10.4.5 Classification of mixtures when toxicity data are available for all ingredients or only for some ingredients of the mixture

2.2.9.1.10.4.5.1 The classification of a mixture shall be based on summation of the concentrations of its classified ingredients. The percentage of ingredients classified as "Acute" or "Chronic" will feed straight into the summation method. Details of the summation method are described in 2.2.9.1.10.4.6.1 to 2.2.9.1.10.4.6.4.

2.2.9.1.10.4.5.2 Mixtures may be made of a combination of both ingredients that are classified (as Acute 1 and/or Chronic 1, 2) and those for which adequate toxicity test data are available. When adequate toxicity data are available for more than one ingredient in the mixture, the combined toxicity of those ingredients shall be calculated using the following additivity formulas (a) or (b), depending on the nature of the toxicity data:

(a) Based on acute aquatic toxicity:

$$\frac{\sum C_i}{L(E)C_{50m}} = \sum_i^n \frac{C_i}{L(E)C_i}$$

where:

C_i – concentration of ingredient i (mass percentage);

$L(E)C_{50}$ – LC_{50} or EC_{50} for ingredient i (mg/l);

n – number of ingredients, and i is running from 1 to n;

$L(E)C_{50m}$ – $L(E)C_{50}$ of the part of the mixture with test data.

The calculated toxicity shall be used to assign that portion of the mixture an acute hazard category which is then subsequently used in applying the summation method:

(b) Based on chronic aquatic toxicity:

$$\frac{\sum C_i + \sum C_j}{EqNOEC_{ij}} = \sum_i \frac{C_i}{NOEC_i} + \sum_j \frac{C_j}{0.1 \cdot NOEC_j}$$

where

C_i = concentration of ingredient i (mass percentage) covering the rapidly degradable ingredients;

C_j = concentration of ingredient j (mass percentage) covering the non rapidly degradable ingredients;

NOEC = NOEC (or other recognized measures for chronic toxicity) for ingredient i covering the rapidly degradable ingredients, in mg/l;

NOEC = NOEC (or other recognized measures for chronic toxicity) for ingredient j covering the non rapidly degradable ingredients, in mg/l;

n = number of ingredients, and i and j are running from 1 to n;

$EqNOEC_{ij}$ = equivalent NOEC of the part of the mixture with test data;

The equivalent toxicity thus reflects the fact that non-rapidly degrading substances are classified one hazard category level more "severe" than rapidly degrading substances.

The calculated equivalent toxicity shall be used to assign that portion of the mixture a long-term hazard category, in accordance with the criteria for rapidly degradable substances (Table 2.2.9.1.10.3.1 (b) (ii)), which is then subsequently used in applying the summation method.

2.2.9.1.10.4.5.3 When applying the additivity formula for part of the mixture, it is preferable to calculate the toxicity of this part of the mixture using for each ingredient toxicity values that relate to the same taxonomic group (i.e. fish, crustacea or algae) and then to use the highest toxicity (lowest value) obtained (i.e. use the most sensitive of the three groups). However, when toxicity data for each ingredient are not available in the same taxonomic group, the toxicity value of each ingredient shall be selected in the same manner that toxicity values are selected for the classification of substances, i.e. the higher toxicity (from the most sensitive test organism) is used. The calculated acute and chronic toxicity shall then be used to classify this part of the mixture as Acute 1 and/or Chronic 1 or 2 using the same criteria described for substances.

2.2.9.1.10.4.5.4 If a mixture is classified in more than one way, the method yielding the more conservative result shall be used.

2.2.9.1.10.4.6 Summation method

2.2.9.1.10.4.6.1 Classification procedure

In general a more severe classification for mixtures overrides a less severe classification, e.g. a classification with Chronic 1 overrides a classification with Chronic 2. As a consequence the classification procedure is already completed if the results of the classification is Chronic 1. A more severe classification than Chronic 1 is not possible; therefore, it is not necessary to pursue the classification procedure further.

2.2.9.1.10.4.6.2 Classification for category Acute 1

2.2.9.1.10.4.6.2.1 First, all ingredients classified as Acute 1 are considered. If the sum of the concentrations (in %) of these ingredients is greater than or equal to 25% the whole mixture shall be classified as Acute 1. If the result of the calculation is a classification of the mixture as Acute 1, the classification process is completed.

2.2.9.1.10.4.6.2.2 The classification of mixtures for acute hazards based on this summation of the concentrations of classified ingredients is summarized in Table 2.2.9.1.10.4.6.2.2 below.

Table 2.2.9.1.10.4.6.2.2: Classification of a mixture for acute hazards based on summation of the concentrations of classified ingredients

Sum of the concentrations (in %) of ingredients classified as:	Mixture classified as:
Acute 1 x M [a] ≥ 25%	Acute 1

[a] *For explanation of the M factor, see 2.2.9.1.10.4.6.4.*

2.2.9.1.10.4.6.3 Classification for categories Chronic 1 and 2

2.2.9.1.10.4.6.3.1 First, all ingredients classified as Chronic 1 are considered. If the sum of the concentrations (in %) of these ingredients is greater than or equal to 25% the mixture shall be classified as Chronic 1. If the result of the calculation is a classification of the mixture as Chronic 1 the classification procedure is completed.

2.2.9.1.10.4.6.3.2 In cases where the mixture is not classified as Chronic 1, classification of the mixture as Chronic 2 is considered. A mixture shall be classified as Chronic 2 if 10 times the sum of the concentrations (in %) of all ingredients classified as Chronic 1 plus the sum of the concentrations (in %) of all ingredients classified as Chronic 2 is greater than or equal to 25%. If the result of the calculation is classification of the mixture as Chronic 2, the classification process is completed.

2.2.9.1.10.4.6.3.3 The classification of mixtures for long-term hazards based on this summation of the concentrations of classified ingredients is summarized in Table 2.2.9.1.10.4.6.3.3 below.

Table 2.2.9.1.10.4.6.3.3: Classification of a mixture for long-term hazards based on summation of the concentrations of classified ingredients

Sum of the concentrations (in %) of ingredients classified as:		Mixture classified as:
Chronic 1 x M [a]	≥ 25%	Chronic 1
(M x 10 x Chronic 1) + Chronic 2	≥ 25%	Chronic 2

[a] *For explanation of the M factor, see 2.2.9.1.10.4.6.4*

2.2.9.1.10.4.6.4 Mixtures with highly toxic ingredients

Acute 1 or Chronic 1 ingredients with acute toxicities well below 1 mg/l and/or chronic toxicities well below 0.1 mg/l (if non-rapidly degradable) and 0.01 mg/l (if rapidly degradable) may influence the toxicity of the mixture and are given increased weight in applying the summation method. When a mixture contains ingredients classified as acute or Chronic 1, the tiered approach described in 2.2.9.1.10.4.6.2 and 2.2.9.1.10.4.6.3 shall be applied using a weighted sum by multiplying the concentrations of Acute 1 and Chronic 1 ingredients by a factor, instead of merely adding up the percentages. This means that the concentration of "Acute 1" in the left column of Table 2.2.9.1.10.4.6.2.2 and the concentration of "Chronic 1" in the left column of Table 2.2.9.1.10.4.6.3.3 are multiplied by the appropriate multiplying factor. The multiplying factors to be applied to these ingredients are defined using the toxicity value, as summarised in Table 2.2.9.1.10.4.6.4 below. Therefore, in order to classify a mixture containing Acute 1 and/or Chronic 1 ingredients, the classifier needs to be informed of the value of the M factor in order to apply the summation method. Alternatively, the additivity formula (see 2.2.9.1.10.4.5.2) may be used when toxicity data are available for all highly toxic ingredients in the mixture and there is convincing evidence that all other ingredients,

including those for which specific acute and/or chronic toxicity data are not available, are of low or no toxicity and do not significantly contribute to the environmental hazard of the mixture

Table 2.2.9.1.10.4.6.4: Multiplying factors for highly toxic ingredients of mixtures

Acute toxicity	M factor	Chronic toxicity	M factor	
$L(E)C_{50}$ value		NOEC value	NRD [a] ingredients	RD [b] ingredients
$0.1 < L(E)C_{50} \leq 1$	1	$0.01 < NOEC \leq 0.1$	1	
$0.01 < L(E)C_{50} \leq 0.1$	10	$0.001 < NOEC \leq 0.01$	10	1
$0.001 < L(E)C_{50} \leq 0.01$	100	$0.0001 < NOEC \leq 0.001$	100	10
$0.0001 < L(E)C_{50} \leq 0.001$	1 000	$0.00001 < NOEC \leq 0.0001$	1 000	100
$0.00001 < L(E)C_{50} \leq 0.0001$	10 000	$0.000001 < NOEC \leq 0.00001$	10 000	1 000
(continue in factor 10 intervals)		(continue in factor 10 intervals)		

[a] *Non-rapidly degradable.*
[b] *Rapidly degradable.*

2.2.9.1.10.4.6.5 Classification of mixtures with ingredients without any useable information

In the event that no useable information on acute and/or chronic aquatic toxicity is available for one or more relevant ingredients it is concluded that the mixture cannot be attributed (a) definitive hazard category(ies). In this situation the mixture shall be classified based on the known ingredients only with the additional statement that: "x percent of the mixture consists of ingredient(s) of unknown hazard to the aquatic environment"

2.2.9.1.10.5 Substances or mixtures classified as environmentally hazardous substances (aquatic environment) on the basis of Regulation 1272/2008/EC [4]

If data for classification according to the criteria of 2.2.9.1.10.3 and 2.2.9.1.10.4 are not available, a substance or mixture:

(a) Shall be classified as an environmentally hazardous substance (aquatic environment) if it has to be assigned category(ies) Aquatic Acute 1, Aquatic Chronic 1 or Aquatic Chronic 2 according to Regulation 1272/2008/EC [4] or, if still relevant, according to the said Regulation, risk phrase(s) R50, R50/53 or R51/53 according to the Directives 67/548/EEC [2] or 1999/45/EC [3].

(b) May be regarded as not being an environmentally hazardous substance (aquatic environment) if it does not have to be assigned such a risk phrase or category according to the said Directives or Regulation.

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[2] *Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. L 196 of 16 August 1967).*

[3] *Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200 of 30 July 1999).*

[4] *Regulation 1272/2008/EC of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (Official Journal of the European Union No. L 353 of 31 December 2008).*

2.2.9.1.10.6 Assignment of substances or mixtures classified as environmentally hazardous substances (aquatic environment) according to the provisions in 2.2.9.1.10.3, 2.2.9.1.10.4 or 2.2.9.1.10.5

Substances or mixtures classified as environmentally hazardous substances (aquatic environment), not otherwise classified under ADR shall be designated

UN No. 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.; or

UN No. 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

They shall be assigned to packing group III.

Genetically modified microorganisms or organisms

2.2.9.1.11 Genetically modified microorganisms (GMMOs) and genetically modified organisms (GMOs) are microorganisms and organisms in which genetic material has been purposely altered through genetic engineering in a way that does not occur naturally. They are assigned to Class 9 (UN No. 3245) if they do not meet the definition of toxic substances or of infectious substances, but are capable of altering animals, plants or microbiological substances in a way not normally the result of natural reproduction.

NOTE 1: *GMMOs and GMOs which are infectious are substances of Class 6.2, UN Nos. 2814, 2900 or 3373.*

NOTE 2: *GMMOs or GMOs are not subject to the provisions of ADR when authorized for use by the competent authorities of the countries of origin, transit and destination* [17].

NOTE 3: *Live animals shall not be used to carry genetically modified microorganisms classified in Class 9 unless the substance can be carried in no other way. Genetically modified live animals shall be carried under terms and conditions of the competent authorities of the countries of origin and destination.*

2.2.9.1.12 *(Deleted)*

Elevated temperature substances

2.2.9.1.13 Elevated temperature substances include substances which are carried or handed over for carriage in the liquid state at or above 100 °C and, in the case of those with a flash-point, below their flash-point. They also include solids which are carried or handed over for carriage at or above 240 °C.

NOTE: *Elevated temperature substances may be assigned to Class 9 only if they do not meet the criteria of any other class.*

Other substances presenting a danger during carriage but not meeting the definitions of another class

2.2.9.1.14 The following other miscellaneous substances not meeting the definitions of another class are assigned to Class 9:

Solid ammonia compounds having a flash-point below 60 °C,
Low hazard dilutants;
Highly volatile liquids;
Substances emitting noxious fumes.

[17] *See, in particular, Part C of Directive 2001/18/EC of the European Parliament and of the Council on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC (Official Journal of the European Communities, No. L 106, of 17 April 2001, pp. 9-39), which sets out the authorization procedures for the European Community.*

Substances containing allergens;
Chemical kits and first aid kits.
Electric double layer capacitors (with an energy storage capacity greater than 0.3 Wh)

NOTE: *UN No. 1845 carbon dioxide, solid (dry ice)[18], UN No. 2071 ammonium nitrate fertilizers, UN No. 2216 fish meal (fish scrap, stabilized, UN No. 2807 magnetized material, UN No. 3166 engine, internal combustion or 3166 vehicle, flammable gas powered or 3166 vehicle, flammable liquid powered or 3166 engine, fuel cell, flammable gas powered or 3166 engine, fuel cell, flammable liquid powered or 3166 vehicle, fuel cell, flammable gas powered or 3166 vehicle, fuel cell, flammable liquid powered, UN No. 3171 battery-powered vehicle or 3171 battery-powered equipment (see battery (see also the NOTE at the end of 2.2.9.1.7), UN No. 3334 aviation regulated liquid, n.o.s., UN No. 3335 aviation regulated solid, n.o.s., and UN No. 3363 dangerous goods in machinery or dangerous goods in apparatus listed in the UN Model Regulations are not subject to the provisions of ADR*

Assignment of the packing groups

2.2.9.1.15 When indicated in column (4) of Table A of Chapter 3.2, substances and articles of Class 9 are assigned to one of the following packing groups according to their degree of danger:

Packing group II: substances presenting medium danger;
Packing group III substances presenting low danger.

2.2.9.2 ***Substances and articles not accepted for carriage***

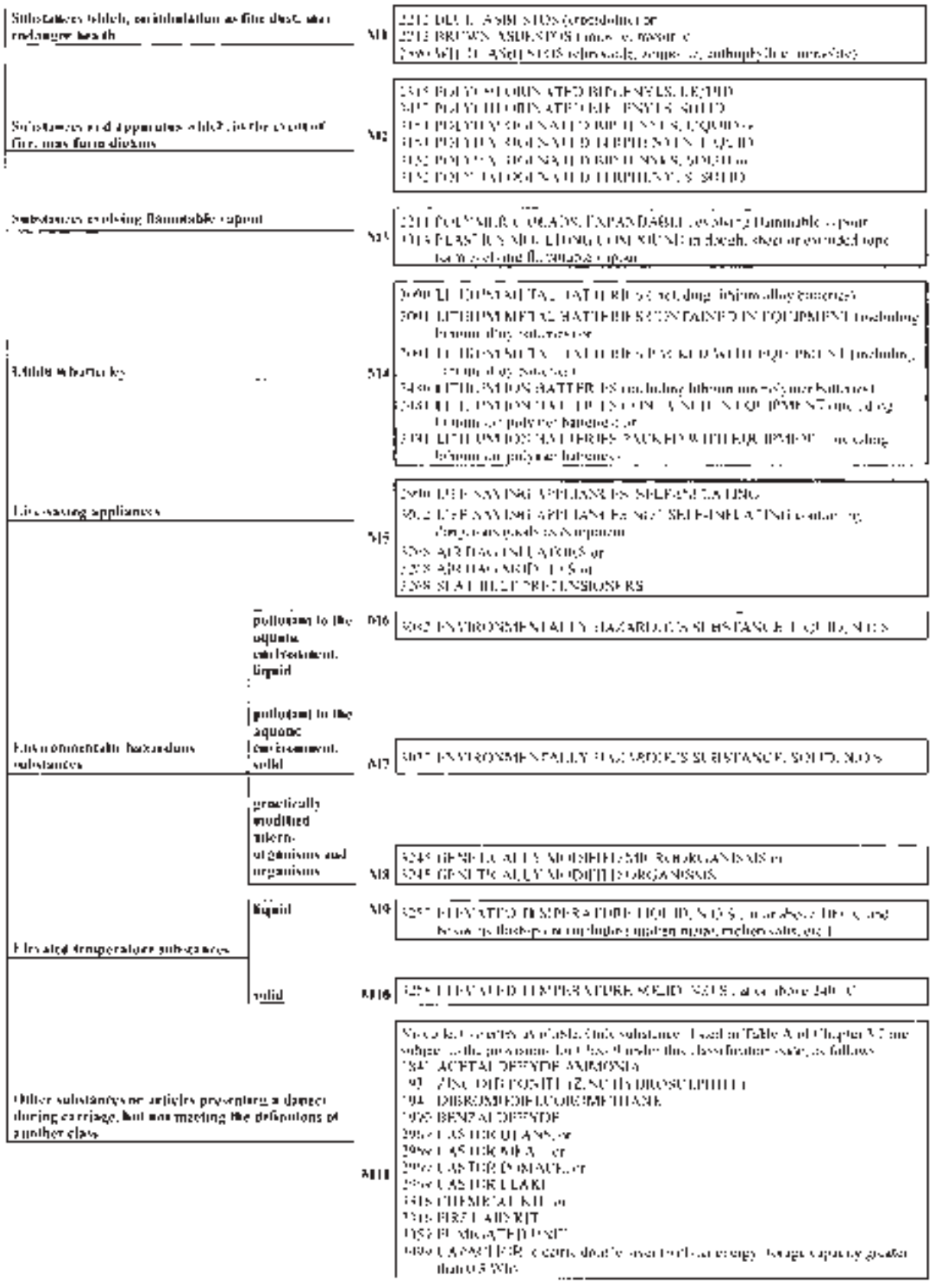
The following substances and articles shall not be accepted for carriage.

- Lithium batteries which do not meet the relevant conditions of special provisions 188, 230 or 310 of Chapter 3.3;

- Uncleaned empty containment vessels for apparatus such as transformers, condensers and hydraulic apparatus containing substances assigned to UN Nos. 2315, 3151, 3152 or 3432.

[18] *For UN No. 1845 carbon dioxide, solid (dry ice) packages or conduct, see 5.5.3.*

2.2.9.3 *List of entries*



CHAPTER 2.3

TEST METHODS

2.3.0 General

Unless otherwise provided for in Chapter 2.2 or in this Chapter, the test methods to be used for the classification of dangerous goods are those described in the Manual of Tests and Criteria.

2.3.1 Exudation test for blasting explosives of Type A

2.3.1.1 Blasting explosives of type A (UN No. 0081) shall, if they contain more than 40% liquid nitric ester, in addition to the testing specified in the Manual of Tests and Criteria, satisfy the following exudation test.

2.3.1.2 The apparatus for testing blasting explosive for exudation (figs. 1 to 3) consists of a hollow bronze cylinder. This cylinder, which is closed at one end by a plate of the same metal, has an internal diameter of 15.7 mm and a depth of 40 mm. It is pierced by 20 holes 0.5 mm in diameter (four sets of five holes) on the circumference. A bronze piston, cylindrically fashioned over a length of 48 mm and having a total length of 52 mm, slides into the vertically placed cylinder. The piston, whose diameter is 15.6 mm, is loaded with a mass of 2 220 g so that a pressure of 120 kPa (1.20 bar) is exerted on the base of the cylinder.

2.3.1.3 A small plug of blasting explosive weighing 5 to 8 g, 30 mm long and 15 mm in diameter, is wrapped in very fine gauze and placed in the cylinder. The piston and its loading mass are then placed on it so that the blasting explosive is subjected to a pressure of 120 kPa (1.20 bar). The time taken for the appearance of the first signs of oily droplets (nitroglycerine) at the outer orifices of the cylinder holes is noted.

2.3.1.4 The blasting explosive is considered satisfactory if the time elapsing before the appearance of the liquid exudations is more than five minutes, the test having been carried out at a temperature of 15 °C to 25 °C.

Test of blasting explosive for exudation

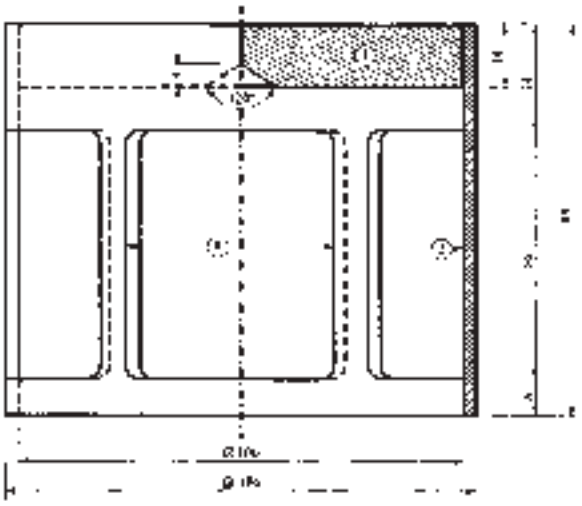


Fig.1: Bell-form charge, mass 2220 g, capable of being suspended from a bronze piston

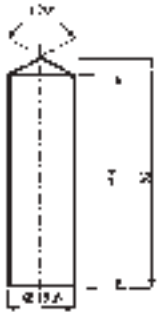


Fig.2: Cylindrical bronze piston, dimensions in mm

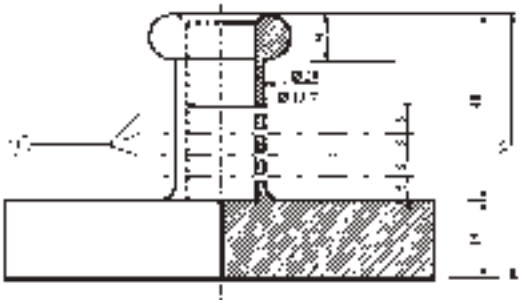


Fig.3: Hollow bronze cylinder, closed at one end; Plan and cut dimensions in mm

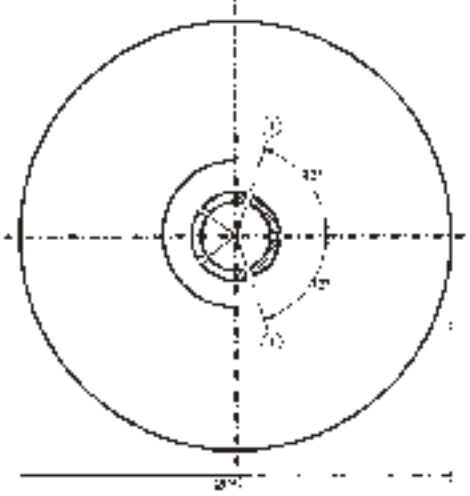


Fig. 1 to 3

(1) 4 series of 5 holes at 0... NI
(2) copper
(3) iron plate with centre cone at the interior face
(4) 4 openings, approximately 46x56, set at even intervals on the periphery

2.3.2 **Tests relating to nitrated cellulose mixtures of Class 4.1**

2.3.2.1 Nitrocellulose heated for half an hour at 132 °C shall not give off visible yellowish-brown nitrous fumes (nitrous gases). The ignition temperature shall be above 180 °C. See 2.3.2.3 to 2.3.2.8, 2.3.2.9 (a) and 2.3.2.10 below.

2.3.2.2 5 g of plasticized nitrocellulose, heated for one hour at 135 °C, shall not give off visible yellowish brown nitrous fumes (nitrous gases). The ignition temperature shall be above 170 °C. See 2.3.2.3 to 2.3.2.8, 2.3.2.9 (b) and 2.3.2.10 below.

2.3.2.3 The test procedures set out below are to be applied when differences of opinion arise as to the acceptability of substances for carriage by road.

2.3.2.4 If other methods or test procedures are used to verify the conditions of stability prescribed above in this section, those methods shall lead to the same findings as could be reached by the methods specified below.

2.3.2.5 In carrying out the stability tests by heating described below, the temperature of the oven containing the sample under test shall not deviate by more than 2 °C from the prescribed temperature, the prescribed duration of a 30-minute or 60-minute test shall be observed to within two minutes. The oven shall be such that the required temperature is restored not more than five minutes after insertion of the sample.

2.3.2.6 Before undergoing the tests in 2.3.2.9 and 2.3.2.10, the samples shall be dried for not less than 15 hours at the ambient temperature in a vacuum desiccator containing fused and granulated calcium chloride, the sample substance being spread in a thin layer. For this purpose, substances which are neither in powder form nor fibrous shall be ground, or grated, or cut into small pieces. The pressure in the desiccator shall be brought below 6.5 kPa (0.065 bar).

2.3.2.7 Before being dried as prescribed in 2.3.2.6 above, substances conforming to 2.3.2.2 shall undergo preliminary drying in a well-ventilated oven, with its temperature set at 70 °C, until the loss of mass per quarter-hour is less than 0.3% of the original mass.

2.3.2.8 Weakly nitrated nitrocellulose conforming to 2.3.2.1 shall first undergo preliminary drying as prescribed in 2.3.2.7 above; drying shall then be completed by keeping the nitrocellulose for at least 15 hours over concentrated sulphuric acid in a desiccator.

2.3.2.9 ***Test of chemical stability under heat***

(a) *Test of the substance listed in paragraph 2.3.2.1 above*

(i) In each of two glass test tubes having the following dimensions:

length	350 mm
internal diameter	16 mm
thickness of wall	1.5 mm

is placed 1 g of substance dried over calcium chloride (if necessary the drying shall be carried out after reducing the substance to pieces weighing not more than 0.05 g each).

Both test tubes, completely covered with loose-fitting closures, are then so placed in an oven that at least four-fifths of their length is visible, and are kept at a constant temperature of 132 °C for 30 minutes. It is observed whether nitrous gases in the form of yellowish-brown fumes clearly visible against a white background are given off during this time.

(ii) In the absence of such fumes the substance is deemed to be stable;

(b) *Test of plasticized nitrocellulose (see 2.3.2.2)*

(i) 3 g of plasticized nitrocellulose are placed in glass test tubes, similar to those referred to in (a), which are then placed in an oven kept at a constant temperature of 132 °C;

(ii) The test tubes containing the plasticized nitrocellulose are kept in the oven for one hour. During this time no yellowish brown nitrous fumes (nitrous gases) shall be visible. Observation and appraisal as in (a).

2.3.2.10 ***Ignition temperature (see 2.3.2.1 and 2.3.2.2)***

(a) The ignition temperature is determined by heating 0.2 g of substance enclosed in a glass test tube immersed in a Wood's alloy bath. The test tube is placed in the bath when the latter has reached 100 °C. The temperature of the bath is then progressively increased by 5 °C per minute.

(b) The test tubes must have the following dimensions:

length	125 mm
internal diameter	15 mm
thickness of wall	0.5 mm

and shall be immersed to a depth of 20 mm.

(c) The test shall be repeated three times, the temperature at which ignition of the substance occurs, i.e. slow or rapid combustion, deflagration or detonation, being noted each time.

(d) The lowest temperature recorded in the three tests is the ignition temperature.

2.3.3 **Tests relating to flammable liquids of Classes 3, 6.1 and 8**

2.3.3.1 ***Determination of flash-point***

2.3.3.1.1 The following methods for determining the flash-point of flammable liquids may be used:

International standards:

ISO 1516 (Determination of flash/no flash – Closed cup equilibrium method)
ISO 1523 (Determination of flash point – Closed cup equilibrium method)
ISO 2719 (Determination of flash point – Pensky-Martens closed cup method)
ISO 13736 (Determination of flash point – Abel closed-cup method)
ISO 3679 (Determination of flash point – Rapid equilibrium closed cup method)
ISO 3680 (Determination of flash/no flash – Rapid equilibrium closed cup method)

National standards:

American Society for Testing Materials International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, Pennsylvania, USA 19428-2959:

ASTM D3828-07a, Standard Test Methods for Flash Point by Small Scale Closed Cup Tester
ASTM D56-05, Standard Test Method for Flash Point by Tag Closed-Cup Tester
ASTM D3278-96(2004)e1, Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus
ASTM D93-08, Standard Test Methods for Flash Point by Pensky-Martens Closed-Cup Tester

Association française de normalisation, AFNOR, 11 rue de Pressense, F-93571 La Plaine Saint-Denis Cedex:

French standard NF M 07 - 019
French standards NF M 07 - 011 / NF T 30 - 050 / NF T 66 - 009
French standard NF M 07 - 036

Deutsches Institut für Normung, Burggrafenstr. 6, D-10787 Berlin:

Standard DIN 51755 (flash-points below 65 °C)

State Committee of the Council of Ministers for Standardization, RUS-113813, GSP, Moscow, Ul. Leninsky Prospect, 9:

GOST 12.1.044-84

2.3.3.1.2 To determine the flash-point of paints, gums and similar viscous products containing solvents, only apparatus and test methods suitable for determining the flash-point for viscous liquids shall be used, in accordance with the following standards:

(a) International Standard ISO 3679: 1983;
(b) International Standard ISO 3680: 1983;
(c) International Standard ISO 1523: 1983;
(d) International standards EN ISO 13736 and EN ISO 2719, Method B.

2.3.3.1.3 The standards listed in 2.3.3.1.1 shall only be used for flash-point ranges which are specified therein. The possibility of chemical reactions between the substance and the sample holder shall be considered when selecting the standard to be used. The apparatus shall, as far as is consistent with safety, be placed in a draught-free position. For safety, a method utilizing a small sample size, around 2 ml, shall be used for organic peroxides and self-reactive substances (also known as "energetic" substances), or for toxic substances.

2.3.3.1.4 When the flash point, determined by a non-equilibrium method is found to be 23 ± 2 °C or 60 ± 2 °C, it shall be confirmed for each temperature range by an equilibrium method.

2.3.3.1.5 In the event of a dispute as to the classification of a flammable liquid, the classification proposed by the consignor shall be accepted if a check-test of the flash-point, yields a result not differing by more than 2 °C from the limits (23 °C and 60 °C respectively) stated in 2.2.3.1. If the difference is more than 2 °C, a second check-test shall be carried out, and the lowest figure of the flash-points obtained in other check-test shall be adopted.

2.3.3.2 ***Determination of initial boiling point***

The following methods for determining the inital boiling point of flammable liquids may be used:

International standards:

ISO 3924 (Petroleum products – Determination of boiling range distribution – Gas chromatography method)
ISO 4626 (Volatile organic liquids – Determination of boiling range of organic solvents used as raw materials)
ISO 3405 (Petroleum products – Determination of distillation characteristics at atmospheric pressure)

National standards:

American Society for Testing Materials International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, Pennsylvania, USA 19428-2959.

ASTM D86-07a, Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure
ASTM D1078-05, Standard Test Method for Distillation Range of Volatile Organic Liquids

Further acceptable methods:

Method A.2 as described in Part A of the Annex to Commission Regulation (EC) No 440/2008[1]

2.3.3.3 *Test for determining peroxide content*

To determine the peroxide content of a liquid, the procedure is as follows:

A quantity p (about 5 g, weighed to the nearest 0.01 g) of the liquid to be tested is placed in an Erlenmeyer flask, 20 cm^3 of acetic anhydride and about 1 g of powdered solid potassium iodide are added; the flask is shaken and, after 10 minutes, heated for 3 minutes to about 60 °C. When it has been left to cool for 5 minutes, 25 cm^3 of water are added. After this, it is left standing for half an hour, then the liberated iodine is titrated with a decinormal solution of sodium thiosulphate, no indicator being added; complete discoloration indicates the end of the reaction. If n is the number of cm^3 of thiosulphate solution required, the percentage of peroxide (calculated as H_2O_2) present in the sample is obtained by the formula:

$$\frac{17n}{100p}$$

2.3.4 Test for determining fluidity

To determine the fluidity of liquid, viscous or pasty substances and mixtures, the following test method shall be used.

2.3.4.1 *Test apparatus*

Commercial penetrometer conforming to ISO 2137:1985, with a guide rod of 17.5 g ± 0.05 g, sieve disc of duralumin with conical bores and a mass of 102.5 g ± 0.05 g (see Figure 1); penetration vessel with an inside diameter of 72 mm to 80 mm, for reception of the sample.

2.3.4.2 *Test procedure*

The sample is poured into the penetration vessel, not less than half an hour before the measurement. The vessel is then hermetically closed and left standing until the measurement. The sample in the hermetically closed penetration vessel is heated to 35 °C ± 0.5 °C and is placed on the penetrometer table immediately prior to measurement (not more than two minutes). The point S of the sieve disc is then brought into contact with the surface of the liquid and the rate of penetration is measured.

[1] *Commission Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Official Journal of the European Union, No. L 142 of 31.05.2008, p. 1–739 and No. L 143 of 03.06.2008, p. 55).*

2.3.4.3 *Evaluation of test results*

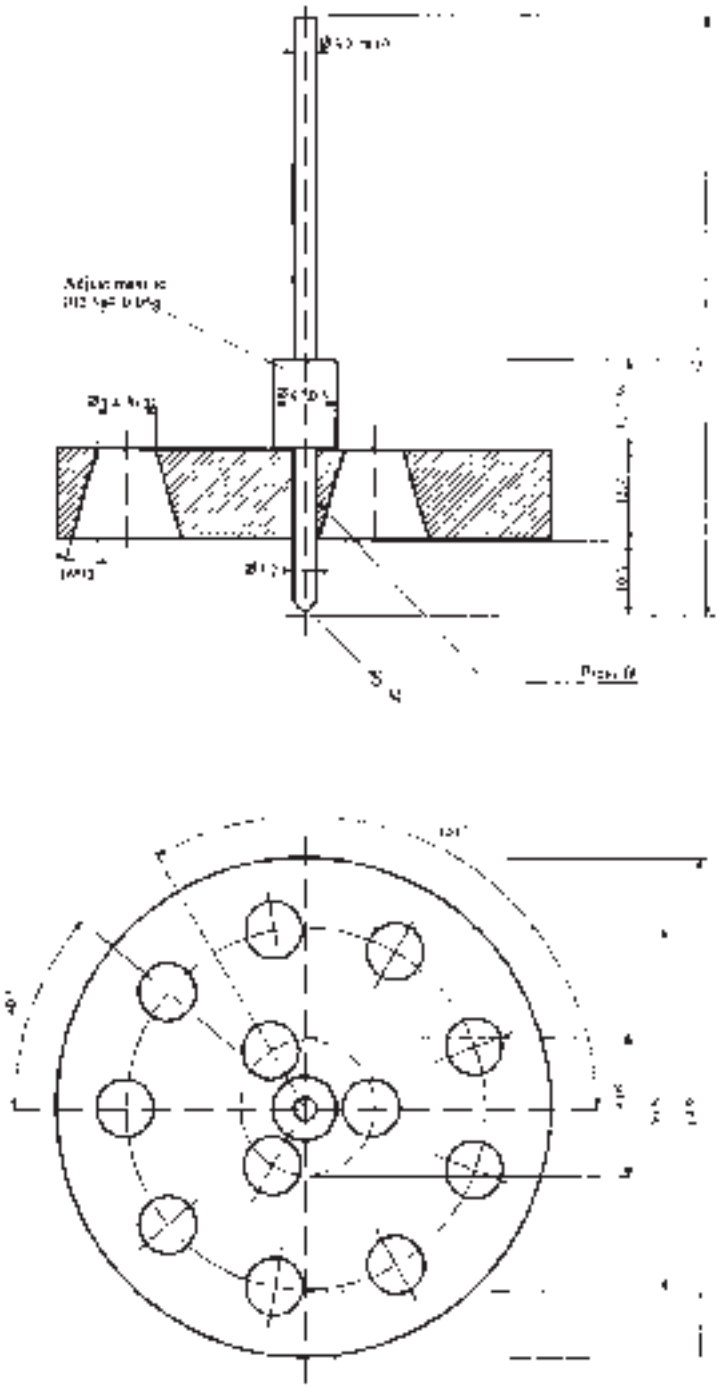
A substance is pasty if, after the centre S has been brought into contact with the surface of the sample, the penetration indicated by the dial gauge:

(a) after a loading time of 5 s ± 0.1 s, is less than 15.0 mm ± 0.3 mm, or

(b) after a loading time of 5 s ± 0.1 s, is greater than 15.0 mm ± 0.3 mm, but the additional penetration after another 55 s ± 0.5 s is less than 5.0 mm ± 0.5 mm.

NOTE: *In the case of samples having a flow point, it is often impossible to produce a sturdy level surface at the penetration depth and, hence, to establish satisfactory initial measuring conditions for the contact of the point S. Furthermore, with some samples, the impact of the sieve disc can cause an elastic deformation of the surface and, in the first few seconds, simulate a deeper penetration. In all these cases, it may be appropriate to make the evaluation in paragraph (b) above.*

Figure 1 Penetrometer



Tolerances not specified are ± 0.1 mm.

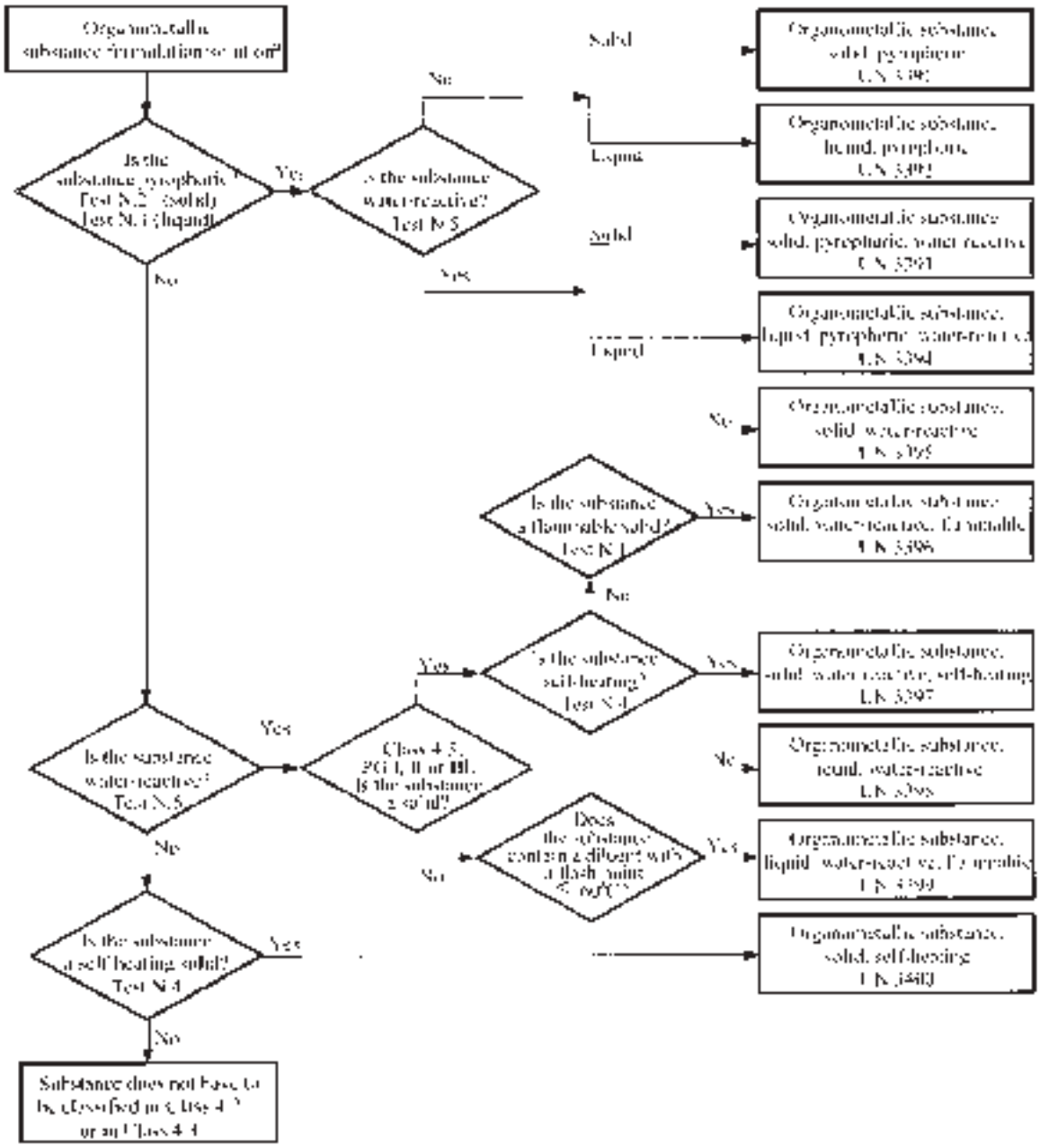
2.3.5 **Classification of organometallic substances in Classes 4.2 and 4.3**

Depending on their properties as determined in accordance with tests N.1 to N.3 of the Manual of Tests and Criteria, Part III, section 33, organometallic substances may be classified in Class 4.2 or 4.3, as appropriate, in accordance with the flow chart scheme given in Figure 2.3.5

NOTE 1: Depending on their other properties and on the provisions of hazard table two 2.1.3.10, organometallic substances may have to be classified in other classes as appropriate.

NOTE 2: Flammable solutions with organometallic compounds in concentrations which are not liable to spontaneous combustion or, in contact with water, do not emit flammable gases in dangerous quantities, are substances of Class 3

Figure 2.3.5: Flowchart scheme for the classification of organometallic substances in Classes 4.2 and 4.3 [b]



[a] *If applicable and testing is relevant, taking into account reactivity properties, class 6.1 and 8 properties should be considered according to the precedence of hazard table of 2.1.3.10.*

[b] *Test methods N.1 to N.5 can be found in the Manual of Tests and Criteria, Part III, Section 33.*

PART 3

Dangerous goods list, special provisions and exemptions related to limited and excepted quantities

CHAPTER 3.1

GENERAL

3.1.1 Introduction

In addition to the provisions referred to or given in the tables of this Part, the general requirements of each Part, Chapter and/or Section are to be observed. These general requirements are not given in the tables. When a general requirement is contradictory to a special provision, the special provision prevails.

3.1.2 Proper shipping name

NOTE: For proper shipping names to be used for the purpose of samples, see 2.1.4.1.

3.1.2.1 The proper shipping name is that portion of the entry most accurately describing the goods in Table A in Chapter 3.2, which is shown in upper case characters (plus any numbers, Greek letters, "sec", "tert", and the letters "n", "o", "m", "p", which form an integral part of the name). An alternative proper shipping name may be shown in brackets following the main proper shipping name [e.g., ETHANOL (ETHYL ALCOHOL)]. Portions of an entry appearing in lower case need not be considered as part of the proper shipping name.

3.1.2.2 When conjunctions such as "and" or "or" are in lower case or when segments of the name are punctuated by commas, the entire name of the entry need not necessarily be shown in the transport document or package markings. This is the case particularly when a combination of several distinct entries are listed under a single UN Number. Examples illustrating the selection of the proper shipping name for such entries are:

(a) UN 1057 LIGHTERS or LIGHTER REFILLS. The proper shipping name is the most appropriate of the following possible combinations:

LIGHTERS

LIGHTER REFILLS.

(b) UN 2793 FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating. The proper shipping name is the most appropriate of the following combinations:

FERROUS METAL BORINGS

FERROUS METAL SHAVINGS

FERROUS METAL TURNINGS

FERROUS METAL CUTTINGS

3.1.2.3 Proper shipping names may be used in the singular or plural as appropriate. In addition, when qualifying words are used as part of the proper shipping name, their sequence on documentation or package markings is optional. For instance, "DIMETHYLAMINE AQUEOUS SOLUTION" may alternatively be shown "AQUEOUS SOLUTION OF DIMETHYLAMINE". Commercial or military names for goods of Class 1 which contain the proper shipping name supplemented by additional descriptive text may be used.

3.1.2.4 Many substances have an entry for both the liquid and solid state (see definitions for liquid and solid in 1.2.1), or for the solid and solution. These are allocated separate UN numbers which are not necessarily adjacent to each other[1].

3.1.2.5 Unless it is already included in capital letters in the name indicated in Table A in Chapter 3.2, the qualifying word "MOLTEN" shall be added as part of the proper shipping name when a substance, which is a solid in accordance with the definition in 1.2.1, is offered for carriage in the molten state (e.g. "ALKYLPHENOL, SOLID, N.O.S., MOLTEN").

3.1.2.6 Except for self-reactive substances and organic peroxides and unless it is already included in capital letters in the name indicated in Column (2) of Table A of Chapter 3.2, the word "STABILIZED" shall be added as part of the proper shipping name of a substance which without stabilization would be forbidden from carriage in accordance with paragraphs 2.2.X.2 due to it being liable to dangerously react under conditions normally encountered in carriage (e.g. "TOXIC LIQUID, ORGANIC, N.O.S., STABILIZED").

When temperature control is used to stabilize such substances to prevent the development of any dangerous excess pressure, then:

(a) For liquids, where the SADT is less than or equal to 50 °C, the provisions of 2.2.41.1.17, the special provision V8 of Chapter 7.2, the special provision S4 of Chapter 8.5 and the requirements of Chapter 9.6 shall apply, for carriage in IBCs and tanks, all the provisions applicable to UN No. 3239 apply (see in particular 4.1.7.2 packing instruction IBC520 et 4.2.1.13.6);

(b) For gases: the conditions of carriage shall be approved by the competent authority.

3.1.2.7 Hydrates may be carried under the proper shipping name for the anhydrous substance.

3.1.2.8 ***Generic or "not otherwise specified" (N.O.S.) names***

3.1.2.8.1 Generic and "not otherwise specified" proper shipping names that are assigned to special provision 274 or 318 in Column (6) of Table A in Chapter 3.2 shall be supplemented with the technical name of the goods unless a national law or international convention prohibits its disclosure if it is a controlled substance. For explosives of Class 1, the dangerous goods description may be supplemented by additional descriptive text to indicate commercial or military names. Technical names shall be entered in brackets immediately following the proper shipping name. An appropriate modifier, such as "contains" or "containing" or other qualifying words such as "mixture", "solution", etc., and the percentage of the technical constituent may also be used. For example: "UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE AND BENZENE), 3, II".

3.1.2.8.1.1 The technical name shall be a recognized chemical name or biological name, or other name currently used in scientific and technical handbooks, journals and texts. Trade names shall not be used for this purpose. In the case of pesticides, only ISO common name(s), other name(s) in the World Health Organization (WHO) Recommended Classification of Pesticides by Hazard and Guidelines to Classification, or the name(s) of the active substance(s) may be used.

3.1.2.8.1.2 When a mixture of dangerous goods is described by one of the "N.O.S." or "generic" entries to which special provision 274 has been allocated in Column (6) of Table A in Chapter 3.2, not more than the two constituents which most predominantly contribute to the hazard or hazards of a mixture need to be shown, excluding controlled substances when their disclosure is prohibited by national law or international convention. If a package containing

[1] *Details are provided in the alphabetical index (Table B of Chapter 3.2), e.g.:*

NITROBENZENE, LIQUID	*6.1*	*1662*
NITROBENZENE, SOLID	*6.1*	*3447*

a mixture is labelled with any subsidiary risk label, one of the two technical names shown in parentheses shall be the name of the constituent which compels the use of the subsidiary risk label.

NOTE: See 5.4.1.2.2.

3.1.2.8.1.3 Examples illustrating the selection of the proper shipping name supplemented with the technical name of goods for such N.O.S. entries are:

UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (dazomet)
UN 3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE (trimethylgallium)

3.1.3 Solutions or mixtures

NOTE: *Where a substance is specifically mentioned by name in Table A of Chapter 3.2, it shall be identified or covered by the proper shipping name in Column (2) of Table A of Chapter 3.2. Such substances may contain technical impurities (for example those deriving from the production process) or additives for stability or other purposes that do not affect its classification. However, a substance mentioned by name containing technical impurities or additives for stability or other purposes affecting its classification shall be considered a solution or mixture (see 2.1.3.3).*

3.1.3.1 A solution or mixture is not subject to ADR if the characteristics, properties, form or physical state of the solution or mixture are such that it does not meet the criteria, including human experience criteria, for inclusion in any class.

3.1.3.2 A solution or mixture meeting the classification criteria of ADR composed of a single predominant substance mentioned by name in Table A of Chapter 3.2 and one or more substances not subject to ADR or traces of one or more substances mentioned by name in Table A of Chapter 3.2, shall be assigned the UN number and proper shipping name of the predominant substance mentioned by name in Table A of Chapter 3.2 unless:

(a) The solution or mixture is mentioned by name in Table A of Chapter 3.2;

(b) The name and description of the substance mentioned by name in Table A of Chapter 3.2 specifically indicate that they apply only to the pure substance;

(c) The class, classification code, packing group, or physical state of the solution or mixture is different from that of the substance mentioned by name in Table A of Chapter 3.2; or

(d) The hazard characteristics and properties of the solution or mixture necessitate emergency response measures that are different from those required for the substance mentioned by name in Table A of Chapter 3.2.

Qualifying words such as "SOLUTION" or "MIXTURE", as appropriate, shall be added as part of the proper shipping name, for example, "ACETONE SOLUTION". In addition, the concentration of the mixture or solution may also be indicated after the basic description of the mixture or solution, for example, "ACETONE 75% SOLUTION".

3.1.3.3 A solution or mixture meeting the classification criteria of ADR that is not mentioned by name in Table A of Chapter 3.2 and that is composed of two or more dangerous goods shall be assigned to an entry that has the proper shipping name, description, class, classification code and packing group that most precisely describe the solution or mixture.

CHAPTER 3.2

DANGEROUS GOODS LIST

3.2.1 Table A: Dangerous Goods List

Explanations

As a rule, each row of Table A of this Chapter deals with the substance(s) or article(s) covered by a specific UN number. However, when substances or articles belonging to the same UN number have different chemical properties, physical properties and/or carriage conditions, several consecutive rows may be used for that UN number.

Each column of Table A is dedicated to a specific subject as indicated in the explanatory notes below. The intersection of columns and rows (cell) contains information concerning the subject treated in that column, for the substance(s) or article(s) of that row:

- The first four cells identify the substance(s) or article(s) belonging to that row (additional information in that respect may be given by the special provisions referred to in Column (6));
- The following cells give the applicable special provisions, either in the form of complete information or in coded form. The codes cross-refer to detailed information that is to be found in the Part, Chapter, Section and/or Sub-section indicated in the explanatory notes below. An empty cell means either that there is no special provision and that only the general requirements apply, or that the carriage restriction indicated in the explanatory notes is in force.

The applicable general requirements are not referred to in the corresponding cells. The explanatory notes below indicate for every column the Part(s), Chapter(s), Section(s) and/or Sub-section(s) where these are to be found.

Explanatory notes for each column:

Column (1) "UN No."

Contains the UN number:

- of the dangerous substance or article if the substance or article has been assigned its own specific UN number; or
- of the generic or n.o.s. entry to which the dangerous substances or articles not mentioned by name shall be assigned in accordance with the criteria ("decision trees") of Part 2.

Column (2) "Name and description"

Contains, in upper case characters, the name of the substance or article, if the substance or article has been assigned its own specific UN number, or of the generic or n.o.s. entry to which it has been assigned in accordance with the criteria ("decision trees") of Part 2. This name shall be used as the proper shipping name or, when applicable, as part of the proper shipping name (see 3.1.2 for further details on the proper shipping name).

A descriptive text in lower case characters is added after the proper shipping name to clarify the scope of the entry or the classification and/or

carriage conditions of the substance or article may be different under certain conditions.

Column (3a) "Class"

Contains the number of the class, whose heading covers the dangerous substance or article. This class number is assigned in accordance with the procedures and criteria of Part 2.

Column (3b) "Classification code"

Contains the classification code of the dangerous substance or article.

- For dangerous substances or articles of Class 1, the code consists of a division number and compatibility group letter, which are assigned in accordance with the procedures and criteria of 2.2.1.1.4;

  For dangerous substances or articles of Class 2, the code consists of a number and hazardous property group, which are explained in 2.2.2.1.2 and 2.2.2.1.3;

- For dangerous substances or articles of Classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, the codes are explained in 2.2.x.3.2 [1];

- Dangerous substances or articles of Class 7 do not have a classification code.

Column (4) "Packing group"

Contains the packing group number(s) (I, II or III) assigned to the dangerous substance. These packing group numbers are assigned on the basis of the procedures and criteria of Part 2. Certain articles and substances are not assigned to packing groups.

Column (5) "Labels"

Contains the model number of the labels/placards (see 5.2.2.2 and 5.3.1.7) that have to be affixed to packages, containers, tank-containers, portable tanks, MEGCs and vehicles. However, for substances or articles of Class 7, 7X means "label model No.7A, 7B or 7C as appropriate according to the category (see 5.1.5.3.4 and 5.2.2.1.11.1) or placard No. 7D (see 5.3.1.1.3 and 5.3.1.7.2)".

The general provisions on labelling/placarding (e.g. number of labels, their location) are to be found in 5.2.2.1 for packages, and in 5.3.1. for containers, tank-containers, MEGCs, portable tanks and vehicles.

NOTE: Special provisions, indicated in Column (6), may change the above labelling provisions.

[1] *x = the class number of the dangerous substance or article, without dividing point if applicable.*

Column (6) "Special provisions"

Contains the numeric codes of special provisions that have to be met. These provisions concern a wide array of subjects, mainly connected with the contents of Columns (1) to (5) (e.g. carriage prohibitions, exemptions from requirements, explanations concerning the classification of certain forms of the dangerous goods concerned and additional labelling or marking provisions), and are listed in Chapter 3.3 in numerical order. If Column (6) is empty, no special provisions apply to the contents of Columns (1) to (5) for the dangerous goods concerned.

Column (7a) "Limited Quantities"

Provides the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities in accordance with Chapter 3.4.

Column (7b) "Excepted Quantities"

Contains an alphanumeric code with the following meaning:

- "E0" signifies that no exemption from the provisions of ADR exists for the dangerous goods packed in excepted quantities.

  All the other alphanumerical codes starting with the letter "E" signify that the provisions of ADR are not applicable if the conditions indicated in Chapter 3.5 are fulfilled.

Column (8) "Packing instructions"

Contains the alphanumeric codes of the applicable packing instructions:

- Alphanumeric codes starting with the letter "P", which refers to packing instructions for packagings and receptacles (except IBCs and large packagings), or "R", which refers to packing instructions for light metal packagings. These are listed in 4.1.4.1 in numerical order, and specify the packagings and receptacles that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "P" or "R" the dangerous goods concerned may not be carried in packagings;

- Alphanumeric codes starting with the letters "IBC" refer to packing instructions for IBCs. These are listed in 4.1.4.2 in numerical order, and specify the IBCs that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "IBC", the dangerous goods concerned may not be carried in IBCs;

Alphanumeric codes starting with the letters "LP" refer to packing instructions for large packagings. These are listed in 4.1.4.3 in numerical order, and specify the large packagings that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "LP", the dangerous goods concerned cannot be carried in large packagings.

NOTE: Special packing provisions indicated in Column (9a) may change the above packing instructions.

Column (9a) "Special packing provisions"

Contains the alphanumeric codes of the applicable special packing provisions.

- Alphanumeric codes starting with the letters "PP" or "RR" refer to special packing provisions for packagings and receptacles (except IBCs and large packagings) that have additionally to be met. These are to be found in 4.1.4.1, at the end of the relevant packing instruction (with the letter "P" or "R") referred to in Column (8). If Column (9a) does not contain a code starting with the letters "PP" or "RR", none of the special packing provisions listed at the end of the relevant packing instruction apply;

- Alphanumeric codes starting with the letter "B" or the letters "BB" refer to special packing provisions for IBCs that have additionally to be met. These are to be found in 4.1.4.2, at the end of the relevant packing instruction (with the letters "IBC") referred to in Column (8). If Column (9a) does not contain a code starting with the letter "B" or the letters "BB", none of the special packing provisions listed at the end of the relevant packing instruction apply.

- Alphanumeric codes starting with the letter "L" refer to special packing provisions for large packagings that have additionally to be met. These are to be found in 4.1.4.3, at the end of the relevant packing instruction (with the letters "LP") referred to in Column (8). If Column (9a) does not contain a code starting with the letter "L", none of the special packing provisions listed at the end of the relevant packing instruction apply.

Column (9b) "Mixed packing provisions"

Contains the alphanumeric codes starting with the letters "MP" of the applicable mixed packing provisions. These are listed in 4.1.10 in numerical order. If Column (9b) does not contain a code starting with the letters "MP", only the general requirements apply (see 4.1.1.5 and 4.1.1.6).

Column (10) "Portable tank and bulk container instructions"

Contains an alphanumeric code assigned to a portable tank instruction in accordance with 4.2.5.2.1 to 4.2.5.2.4 and 4.2.5.2.6. This portable tank instruction corresponds to the least stringent provisions that are acceptable for the carriage of the substance in portable tanks. The codes identifying the other portable tank instructions that are also permitted for the carriage of the substance are to be found in 4.2.5.2.5. If no code is given, carriage in portable tanks is not permitted unless a competent authority approval is granted as detailed in 6.7.1.3.

The general requirements for the design, construction, equipment, type approval, testing and marking of portable tanks are to be found in Chapter 6.7. The general requirements for the use (e.g. filling) are to be found in 4.2.1 to 4.2.4.

The indication of a "(M)" means that the substance may be carried in UN MEGCs.

NOTE: Special provisions indicated in Column (11), may change the above requirements.

May also contain alphanumeric codes starting with the letters "BK" referring to types of bulk containers described in Chapter 6.11 which may be used for the carriage of bulk goods in accordance with 7.3.1.21 and 7.3.2.

Column (11) "Portable tank and bulk container special provisions"

Contains the alphanumeric codes of the portable tank special provisions that have additionally to be met. These codes, starting with the letters "TP" refer to special provisions for the construction or use of these portable tanks. They are to be found in 4.2.5.3.

NOTE: If technically relevant, these special provisions are not only applicable to the portable tanks specified in column (10), but also to the portable tanks that may be used according to the table in 4.2.5.2.6.

Column (12) "Tank codes for ADR tanks"

Contains an alphanumeric code describing a tank type, in accordance with 4.3.3.1.1 (for gases of Class 2) or 4.3.4.1.1 (for substances of Classes 3 to 9). This tank type corresponds to the least stringent tank provisions that are acceptable for the carriage of the relevant substance in ADR tanks. The codes describing the other permitted tank types are to be found in 4.3.3.1.2 (for gases of Class 2) or 4.3.4.1.2 (for substances of Classes 3 to 9). If no code is given, carriage in ADR tanks is not permitted.

If in this column a tank code for solids (S) and for liquids (L) is indicated, this means that this substance may be offered for carriage in tanks in the solid or the liquid (molten) state. In general this provision is applicable to substances having melting points from 20 °C to 180 °C.

If for a solid, only a tank code for liquids (L) is indicated in this column, this means that this substance is only offered for carriage in tanks in the liquid (molten) state.

The general requirements for the construction, equipment, type approval, testing and marking that are not indicated in the tank code are to be found in 6.8.1, 6.8.2, 6.8.3 and 6.8.5. The general requirements for the use (e.g. maximum degree of filling, minimum test pressure) are to be found in 4.3.1 to 4.3.4.

The indication of a "(M)" after the tank code means that the substance can also be carried in battery-vehicles or MEGCs.

The indication of a (+) after the tank code means that the alternative use of the tanks is permitted only where this is specified in the certificate of type approval.

For fibre-reinforced plastic tanks, see 4.5.1 and Chapter 6.9; for vacuum operated waste tanks, see 4.3.1 and Chapter 6.10.

NOTE: Special provisions indicated in Column (13) may change the above requirements.

Column (13) "Special provisions for ADR tanks"

Contains the alphanumeric codes of the special provisions for ADR tanks that have additionally to be met:

Alphanumeric codes starting with the letters "TU" refer to special provisions for the use of these tanks. These are to be found in 4.3.5;

Alphanumeric codes starting with the letters "TC" refer to special provisions for the construction of these tanks. These are to be found in 6.8.4 (a);

- Alphanumeric codes starting with the letters "TE" refer to special provisions concerning the items of equipment of these tanks. These are to be found in 6.8.4 (b);
- Alphanumeric codes starting with the letters "TA" refer to special provisions for the type approval of these tanks. These are to be found in 6.8.4 (c);
- Alphanumeric codes starting with the letters "TT" refer to special provisions for the testing of these tanks. These are to be found in 6.8.4 (d);
- Alphanumeric codes starting with the letters "TM" refer to special provisions for the marking of these tanks. These are to be found in 6.8.4 (e).

NOTE: It is basically relevant, these special provisions are not only applicable to the tanks specified in column (12), but also to the tanks that may be used according to the hierarchies in 4.3.3.1.2 and 4.3.4.1.2.

Column (14) "Vehicle for tank carriage"

Contains a code designating the vehicle (including the drawing vehicle of trailers or semi-trailers) (see 9.1.1) to be used for the carriage of the substance in tank in accordance with 7.4.2. The requirements concerning the construction and approval of vehicles are to be found in Chapters 9.1, 9.2 and 9.7.

Column (15) "Transport category (Tunnel restriction code)"

Contains at the top of the cell a figure indicating the transport category to which the substance or article is assigned for the purposes of exemption related to quantities carried per transport unit (see 1.1.3.6).

Contains at the bottom of the cell, between brackets, the tunnel restriction code that refers to the applicable restriction for the passage of vehicles carrying the substance or article through road tunnels. These are to be found in Chapter 8.6. When no tunnel restriction code has been assigned, this is indicated by the mention "(-)".

Column (16) "Special provisions for carriage - Packages"

Contains the alphanumeric code(s), starting with letter "V", of the applicable special provisions (if any) for carriage in packages. These are listed in 7.2.4. General provisions concerning the carriage in packages are to be found in Chapters 7.1 and 7.2.

NOTE: *In addition, special provisions indicated in Column (18), concerning loading, unloading and handling, shall be observed.*

Column (17) "Special provisions for carriage - Bulk"

Contains the alphanumeric code(s), starting with letters "VV", of the applicable special provisions for carriage in bulk. These are listed in 7.3.3. If no code is given, carriage in bulk is not permitted. General Provisions concerning the carriage in bulk are to be found in Chapters 7.1 and 7.3.

NOTE: *In addition, special provisions indicated in Column (18), concerning loading, unloading and handling, shall be observed.*

Column (18) "Special provisions for carriage - Loading and unloading"

Contains the alphanumeric code(s), starting with letters "CV", of the applicable special provisions for loading, unloading and handling. These are listed in 7.5.11. If no code is given, only the general provisions apply (see 7.5.1 to 7.5.10).

Column (19) "Special provisions for carriage - Operation"

Contains the alphanumeric code(s), starting with letter "S", of the applicable special provisions for operation which are listed in Chapter 8.5. These provisions shall be applied in addition to the requirements of Chapters 8.1 to 8.4 but in the event of conflict with the requirements of Chapters 8.1 to 8.4, the special provisions shall take precedence.

Column (20) "Hazard identification number"

Contains a two or three figure number (preceded in certain cases by the letter "X") for substances and articles of classes 2 to 9, and for substances and articles of Class 1, the classification code (see column (3b)). In the cases described in 5.3.2.1, this number shall appear in the upper half of the orange-coloured marking. The meaning of the hazard identification numbers is explained in 5.3.2.3.

TABLICA

DANGEROUS GOODS LIST

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging and packagings	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.4.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0001	AMMUNITION PRACTICE dry or contained with non-lethal filler with burster	1	1.2D					E0	P112(a) P112(b) P112(c)	PP31	MP20		
0005	CARTRIDGES FOR WEAPONS with bursting charge		1.4F					E0	P112(a)		MP21		
0006	CARTRIDGES FOR WEAPONS with bursting charge	1	1.1E					E0	P112(a) LP101	PP37 L1	MP21		
0007	CARTRIDGES FOR WEAPONS inert projectile	1	1.2F					E0	P112(a)		MP21		
0009	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1	1.2G					E0	P112(a) LP101	PP37 L1	MP23		
0010	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge		1.3G					E0	P112(a) LP101	PP37 L1	MP23		
0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SPORTS with projectile	1	4S		1.4	24.1	5 kg	E0	P130		MP23 MP24		
0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, POWER DEVICE or CARTRIDGES, SIGNAL	1	4S		1.4	24.1	5 kg	E0	P130		MP23 MP24		
0015	AMMUNITION, SMOKE with or without burster, expelling charge or propellant charge	1	1.2G					E0	P130 LP101	PP37 L1	MP23		
0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1	1.2G		1 +9			E0	P130 LP101	PP37 L1	MP23		
0017	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge		1.3G		1 +9			E0	P130 LP101	PP37 L1	MP23		
0018	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1	1.2G		1 +9.2 +9			E0	P130 LP101	PP37 L1	MP23		
0019	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1	1.3G		1 +9.1 +9			E0	P130 LP101	PP37 L1	MP23		
0020	AMMUNITION, TOXIC with burster, expelling charge or projectile charge	1	1.2K	CARTRIDGES PROHIBITED									
0021	AMMUNITION, TOXIC with burster, expelling charge or projectile charge	1	1.3K	CARTRIDGES PROHIBITED									
0027	BLACK POWDER (GUNPOWDER) granular or as meal	1	1.1D		1			E0	P113	PP50	MP20 MP24		
0028	BLACK POWDER (GUNPOWDER) COMPRESSED or BLACK POWDER (GUNPOWDER) PELLETS	1	1.1D		1			E0	P113	PP41	MP20 MP24		

x)Tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
7	6.8.4, 6.8.4	9.1.1.1	1.1.3.6 (Ele)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (1.5(D))	V2 V4		CV1 CV3 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			2 (1.5(D))	V2		CV1 CV3 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV3 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV3 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV3 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1			CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)
			1 (1.5(D))	V2		CV1 CV2 CV9	S1		1950	AEROSOLS, flammable, n.o.s. (contents, extremely flammable) [or] AEROSOLS, flammable, n.o.s. (contents, flammable) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, toxic, with water subsidiary risk) [or] AEROSOLS, flammable, n.o.s. (contents, non-flammable, with water subsidiary risk)

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UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and Instructions	Portable tanks and Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	DETONATORS, NON-ELECTRIC or Blasting	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	DETONATORS, ELECTRIC, [illegible]	1	[illegible]				0	[illegible]	[illegible]		[illegible]		
[illegible]	BOMBS with bursting charge	1	[illegible]				0	[illegible]	[illegible]		[illegible]		
[illegible]	BOMBS with bursting charge	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	BOMBS with bursting charge	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	BOMBS, PHOTO-FLASH		[illegible]				0	[illegible]	[illegible]		[illegible]		
[illegible]	BOMBS, PHOTO-FLASH		[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	BOMBS, PHOTO-FLASH	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	BOMBS, [illegible]	1	[illegible]				0	[illegible]	[illegible]		[illegible]		
[illegible]	BURSTERS, explosive	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	PRIMERS, CAP TYPE	1	[illegible]		[illegible]		0	[illegible]	[illegible]		[illegible]		
[illegible]	CHARGES, DEMOLITION	1	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	CARTRIDGES, FLASH	1	[illegible]		1		0	[illegible]	[illegible]		[illegible]		
[illegible]	CARTRIDGES, FLASH	1	[illegible]		1		0	[illegible]	[illegible]		[illegible]		
[illegible]	CARTRIDGES, SIGNAL	1	[illegible]		1		0	[illegible]	[illegible]		[illegible]		
[illegible]	CASES, CARTRIDGE, FLASH, WITH PRIMER	1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		
[illegible]	CHARGES, DEPTH	1	[illegible]		1		0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	CHARGES, SHAPED, [illegible]	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	CHARGES, SUPPLEMENTARY EXPLOSIVE	1	[illegible]				0	[illegible]	[illegible]		[illegible]		
[illegible]	CORD, DETONATING, [illegible]	1	[illegible]		1		0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	CORD, IGNITER	1	[illegible]		[illegible]		0	[illegible]	[illegible]		[illegible]		
[illegible]	CUTTERS, CABLE, EXPLOSIVE		[illegible]		[illegible]		0	[illegible]	[illegible]		[illegible]		
[illegible]	CYCLOTRIMETHYLENE-TRINITRAMINE, [illegible]	1	[illegible]		1	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0029	DETONATORS, NON-ELECTRIC for blasting
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0030	DETONATORS, ELECTRIC for blasting
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0033	BOMBS with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0034	BOMBS with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0035	BOMBS with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0037	BOMBS, PHOTO-FLASH
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0038	BOMBS, PHOTO-FLASH
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0039	BOMBS, PHOTO-FLASH
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0042	BOOSTERS without detonator
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0043	BURSTERS, explosive
			4 (E)			CV1 CV2 CV3	S1		0044	PRIMERS, CAP TYPE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0048	CHARGES, DEMOLITION
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0049	CARTRIDGES, FLASH
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0050	CARTRIDGES, FLASH
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0054	CARTRIDGES, SIGNAL
			4 (E)			CV1 CV2 CV3	S1		0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0056	CHARGES, DEPTH
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0059	CHARGES, SHAPED without detonator
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0065	CORD, DETONATING, flexible
			2 (E)	V2		CV1 CV2 CV3	S1		0066	CORD, IGNITER
			4 (E)			CV1 CV2 CV3	S1		0070	CUTTERS, CABLE, EXPLOSIVE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0072	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and Instructions	Portable tanks and Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.1	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.1 2.2.2	4.1.5.3
(1)	(2)	(2a)	(3a)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	DETONATORS FOR AMMUNITION		1.1B		1		0	1.0	[illegible]		MP20		
[illegible]	[illegible]		1.5		1	[illegible]	0	1.0	[illegible]	[illegible]	MP[illegible]		
[illegible]	DIETHYLENE GLYCOL DINITRATE [illegible]	[illegible]	1.1D		1	[illegible]	0	1.0	[illegible]	[illegible]	MP20		
[illegible]	[illegible]	1	1.1D		[illegible]		0	[illegible]	[illegible]	[illegible]	MP[illegible]		
[illegible]	[illegible]	1	[illegible]		[illegible]			1.0	[illegible]	[illegible]	MP20		
[illegible]	[illegible]	1	[illegible]					1.0	[illegible]	[illegible]	MP20		
[illegible]	[illegible]	1	[illegible]		[illegible]		0	[illegible]	[illegible]		MP20		
[illegible]	EXPLOSIVE, BLASTING, TYPE A	1	[illegible]		1	[illegible]	0	[illegible]	[illegible]	[illegible]	MP20		
[illegible]	EXPLOSIVE, BLASTING, TYPE B	1	[illegible]		1	[illegible]	0	[illegible]	[illegible]	[illegible]	MP20		
[illegible]	EXPLOSIVE, BLASTING, TYPE C	1	1.1D		1	[illegible]	0	1.0	[illegible]		MP[illegible]		
[illegible]	EXPLOSIVE, BLASTING, TYPE D	[illegible]	1.1D		1	[illegible]	0	1.0	[illegible]		MP20		
[illegible]	[illegible]		[illegible]		1		0	1.0	[illegible]		MP20		
[illegible]	[illegible]		[illegible]		1		0	1.0	[illegible]		MP20		
[illegible]	[illegible]	1	[illegible]		1		0	1.0	[illegible]	[illegible]	MP20		
[illegible]	FRACTURING DEVICES, EXPLOSIVE [illegible]	1	[illegible]				0	1.0	[illegible]		[illegible]		
[illegible]	FUSE, NON DETONATING	1	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible] DETONATING [illegible]	1	[illegible]		1		0	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	FUSE, IGNITER, tubular, [illegible]	[illegible]	[illegible]		[illegible]		0	[illegible]	[illegible]		[illegible]		
[illegible]	[illegible]		[illegible]		[illegible]		0	1.0	[illegible]	[illegible]	[illegible]		
[illegible]	FUSE, SAFETY		[illegible]		[illegible]		0	1.0	[illegible]	[illegible]	MP20		
[illegible]	FUSES, DETONATING	1	1.1D		1		0	1.0	[illegible]		MP20		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			[illegible]	V2		CV1 CV2 CV3	S1		0073	DETONATORS FOR AMMUNITION
			[illegible]	V2		CV1 CV2 CV3	S1		0074	DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass
			[illegible]	V2		CV1 CV2 CV3	S1		0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% [illegible]
			[illegible]	V2 V3		CV1 CV2 CV3 CV28	S1		0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass
			[illegible]	V2 V3		CV1 CV2 CV3 CV28	S1		0077	DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass
			[illegible]	V2 V3		CV1 CV2 CV3	S1		0078	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass
			[illegible]	V2 V3		CV1 CV2 CV3	S1		0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE) (HEXYL)
			[illegible]	V2 V3		CV1 CV2 CV3	S1		0081	EXPLOSIVE, BLASTING, TYPE A
			[illegible]	V2 V3 V12		CV1 CV2 CV3	S1		0082	EXPLOSIVE, BLASTING, TYPE B
			[illegible]	V2 V3		CV1 CV2 CV3	S1		0083	EXPLOSIVE, BLASTING, TYPE C
			[illegible]	V2		CV1 CV2 CV3	S1		0084	EXPLOSIVE, BLASTING, TYPE D
			[illegible]	V2		CV1 CV2 CV3	S1		0092	FLARES, SURFACE
			[illegible]	V2		CV1 CV2 CV3	S1		0093	FLARES, AERIAL
			[illegible]	V2 V3		CV1 CV2 CV3	S1		0094	FLASH POWDER
			[illegible]	V2		CV1 CV2 CV3	S1		0099	FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells
			[illegible]	V2		CV1 CV2 CV3	S1		0101	FUSE, NON-DETONATING
			[illegible]	V2		CV1 CV2 CV3	S1		0102	CORD, DETONATING, metal clad
			[illegible]	V2		CV1 CV2 CV3	S1		0103	FUSE, IGNITER, tubular, metal clad
			[illegible]	V2		CV1 CV2 CV3	S1		0104	CORD, DETONATING, MILD EFFECT, metal clad
			[illegible]			CV1 CV2 CV3	[illegible]		0105	FUSE, SAFETY
			[illegible]	V2		CV1 CV2 CV3	S1		0106	FUZES, DETONATING

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	1	[illegible]				0	E0	[illegible]		[illegible]		
[illegible]	[illegible]	1	[illegible]		[illegible]		0	E0	[illegible]		[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	0	E0	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]		[illegible]		1	[illegible]	0	E0	[illegible]	PP42	MP20		
[illegible]	[illegible]	1	[illegible]		1		0	E0	[illegible]		MP20		
[illegible]	[illegible]	1	[illegible]		1		0	E0	[illegible]		[illegible]		
[illegible]	[illegible]	1	[illegible]		1		0	E0	[illegible]		MP2		
[illegible]	[illegible]	1	[illegible]		1	[illegible]	0	E0	[illegible]	PP42	MP20		
[illegible]	[illegible]	1	[illegible]			[illegible]	0	E0	[illegible]	PP42	MP20		
[illegible]	[illegible]	1	[illegible]		[illegible]		0	E0	[illegible]		MP23		
[illegible]	[illegible]		[illegible]		1	[illegible]	0	E0	[illegible]	[illegible]	MP2		
[illegible]	[illegible]		[illegible]		1	[illegible]	0	E0	[illegible]		[illegible]		
[illegible]	[illegible]	1	[illegible]		1	[illegible]	0	E0	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	1	[illegible]		1			E0	[illegible]		MP23		
[illegible]	[illegible]	1	[illegible]		1		0	E0	[illegible]	[illegible]	MP21		
[illegible]	[illegible]	1	[illegible]		1		0	E0	[illegible]	[illegible]	MP21		
[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	0	E0	[illegible]	[illegible]	MP2		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0107	FUZES, DETONATING
			4 (E)			CV1 CV2 CV3	S1		0110	GRENADES, PRACTICE, hand or rifle
			0 (B)	V3		CV1 CV2 CV3	S1		0113	GUANYL NITROSAMINOGUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass
			0 (B)	V2		CV1 CV2 CV3	S1		0114	GUANYL NITROSAMINOGUANYLTETRAZENE (TETRAZENE), WETTED with not less than 30% water, or mixture of alcohol and water, by mass
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0118	HEXOLITE (HEXOTOL) dry or wetted with less than 15% water, by mass
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0121	IGNITERS
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0124	JET PERFORATING GUNS, CHARGED oil well, without detonator
			0 (B)	V2		CV1 CV2 CV3	S1		0129	LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass
			0 (B)	V2		CV1 CV2 CV3	S1		0130	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20% water, or mixture of alcohol and water, by mass
			4 (E)			CV1 CV2 CV3	S1		0131	LIGHTERS, FUSE
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40% water, or mixture of alcohol and water, by mass
			0 (B)	V2		CV1 CV2 CV3	S1		0135	MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0136	MINES with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0137	MINES with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0138	MINES with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3 CV28	S1		0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water insoluble phlegmatizer, by mass

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	3.1.2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2	2 F			274	0	1 L	P200	PP84	MP19		
3162	LIQUEFIED GAS, TOXIC, N.O.S.	2	2 T				0	0 E	P200		MP19		
3163	LIQUEFIED GAS, N.O.S.	2	2 A				0	120 E	P200		MP19		
3164	ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC (containing non-flammable gas)	2	2 A			372	0	0 E	P208		MP20		
3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	2	2 TF				0	0 E	P200		MP19		
3166	VEHICLE, flammable gas powered or VEHICLE, flammable liquid powered or VEHICLE, hydrogen powered	2	2 F			301	0	0 E	P206 P207 LP200		MP19		
3167	GAS SAMPLE, NON-REFRIGERATED, FLAMMABLE, N.O.S.	2	2 F				0	0 E	P200		MP19		
3168	GAS SAMPLE, NON-REFRIGERATED, TOXIC, N.O.S.	2	2 T				0	0 E	P200		MP19		
3169	GAS SAMPLE, NON-REFRIGERATED, N.O.S.	2	2 A				0	120 E	P200		MP19		
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	WF2	III		183	1 kg	E2	P410		MP10		
3171	BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT	9	M11			240	0	E0	P003	PP31	MP19		
3172	VEHICLES, FUEL CELL ENGINE POWERED or VEHICLES, FUEL CELL FLAMMABLE GAS POWERED or VEHICLES, FUEL CELL FLAMMABLE LIQUID POWERED	9	M11			312	0	E0	P003	PP31	MP19		
3173	KITS, SUBSTANCE INFECTIOUS TO HUMANS	6.2	6	I			0	0	P620		MP14		
3174	TITANIUM DISULPHIDE	4.2	WS	III			1 kg	E1	P410		MP10		
3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	4.1	F3	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3177	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	F1	III			1 kg	E1	P002 IBC03		MP19	T1	TP33
3179	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3180	SODIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	F1	II			1 kg	E2	P002 IBC02		MP19	T3	TP33
3183	LIQUID, SELF-HEATING, N.O.S.	4.2	SH	II			0	0	P400		MP19	T3	TP33
3184	SODIUM HYDROSULPHITE or SODIUM DITHIONITE	4.2	S	II			1 kg	E2	P410		MP10		
3185	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	S	II			1 kg	E2	P410		MP10		
3186	METAL HYDRIDES, SELF-HEATING, N.O.S.	4.2	S	II			1 kg	E2	P410		MP10		
3187	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	S	II			1 kg	E2	P410		MP10		
3188	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	S	II			1 kg	E2	P410		MP10		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.1	4.3 & 6.8.4	9.1.1.2	1.1.3.6 (8.6)	2.2.4	2.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (1.000)	V1		CV1 CV2 CV3	S1		0.44	NITROGENE [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.46	NITROSTARCH [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.47	NITROURIA
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.48	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITE TETRANITRATE) [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.51	PENTOLITE [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.52	DIPHTHEROTHRINE (TICRAMIDE)
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.53	DIPHTHEROTHRINE [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.55	DIPHTHEROTHRINE [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.56	POWDER [illegible]
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.57	POWDER SMOKELESS
			1 (1.000)	V2 V3		CV1 CV2 CV3	S1		0.58	POWDER SMOKELESS
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.59	PROJECTILES with bursting charge
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.60	PROJECTILES with bursting charge
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.61	PROJECTILES with bursting charge
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.62	AMMUNITION [illegible]
			1 (1.000)			CV1 CV2 CV3	S1		0.63	RELEASE [illegible]
			1 (1.000)			CV1 CV2 CV3	S1		0.64	[illegible]
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.65	ROCKETS with bursting charge
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.66	ROCKETS with bursting charge
			1 (1.000)	V2		CV1 CV2 CV3	S1		0.67	ROCKETS with bursting charge

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.1	2.1.1.3	5.2.2	3.3	3.4	3.5.1.1	4.1.4	4.1.4	4.1.10	4.2.5.2 and 6.4.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0183	[illegible]	1	A					1.4	P131 P141	PP91	MP22		
0184	[illegible]	1	[illegible]					1.4	P131 P141	PP91	MP22 MP24		
0190	SAMPLES, EXPLOSIVE, other than explosives, e.g. explosive	1				36	0	1.4	P100		MP24		
0191	SIGNAL DEVICES, hand	1	1.4G		1.4		0	1.4	P135		MP21 MP24		
0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE		1.4S		1.4		0	1.4	P135		MP24		
0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE		1.3G		1.3		0	1.3	P135		MP23		
0194	SIGNALS, DISTRESS, ship		1.4G		1.4		0	1.4	P135		MP24		
0195	SIGNALS, DISTRESS, ship	1	1.3G		1.3		0	1.3	P135		MP23 MP24		
0196	SIGNALS, SMOKE	1	1.3G		1.3		0	1.3	P135		MP23		
0197	SIGNALS, SMOKE	1	1.4G		1.4		0	1.4	P135		MP24 MP24		
0200	SOUNDING DEVICES, EXPLOSIVE	1	1.2D				0	1.2	P114 P142		MP24		
0207	TETRAZOL-5-DIAZONIUM	1	1.1D		1		1	1.1	P112(b) P112(c)		MP2		
0208	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	1	1.1D		1		0	1.1	P112(b) P112(c)		MP24		
0209	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)	PP26	MP24		
0212	TRACERS FOR AMMUNITION	1	1.3G		1		0	1.3	P130	PP69	MP24		
0213	TRINITROAZETIDINE	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0214	TRINITROPHENYLMETHYLNITRAMINE (TETRYL) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0215	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0216	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)	PP26	MP20		
0217	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0218	TRINITROTOLUENE (TNT)	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0219	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		
0220	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)	PP26	MP20		
0221	TRINITROTOLUENE (TNT) mixed with trinitrobenzene or hexanitrostilbene	1	1.1D		1		0	1.1	P112(b) P112(c)		MP20		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (C5000D)	W2		CV1 CV2 CV3	S1		0183	ROCKETS with inert head
			1 (C5000D)	W2		CV1 CV2 CV3	S1		0186	ROCKET MOTORS
			0 (E)	W2		CV1 CV2 CV3	S1		0190	SAMPLES, EXPLOSIVE other than initiating explosive
			2 (E)	W2		CV1 CV2 CV3	S1		0191	SIGNAL DEVICES, HAND
			1 (B1000C)	W2		CV1 CV2 CV3	S1		0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE
			4 (E)			CV1 CV2 CV3	S1		0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE
			1 (B1000C)	W2		CV1 CV2 CV3	S1		0194	SIGNALS, DISTRESS, ship
			1 (C5000D)	W2		CV1 CV2 CV3	S1		0195	SIGNALS, DISTRESS, ship
			1 (B1000C)	W2		CV1 CV2 CV3	S1		0196	SIGNALS, SMOKE
			2 (E)	W2		CV1 CV2 CV3	S1		0197	SIGNALS, SMOKE
			1 (B1000C)	W2		CV1 CV2 CV3	S1		0204	SOUNDING DEVICES, EXPLOSIVE
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0207	TETRANITROANILINE
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0208	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0209	TRINITROTOLUENE (TNT), dry or wetted with less than 30 % water, by mass
			1 (C5000D)	W2		CV1 CV2 CV3	S1		0212	TRACERS FOR AMMUNITION
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0213	TRINITROANISOLE
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0214	TRINITROBENZENE, dry or wetted with less than 30 % water, by mass
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0215	TRINITROBENZOIC ACID, dry or wetted with less than 30 % water, by mass
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0216	TRINITRO-m-CRESOL
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0217	TRINITRONAPHTHALENE
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0218	TRINITROPHENETOLE
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0219	TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20 % water, or mixture of alcohol and water, by mass
			1 (B1000C)	W2 W3		CV1 CV2 CV3	S1		0220	UREA NITRATE, dry or wetted with less than 20 % water, by mass

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.0.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 3.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0221	WARHEADS, TORPEDO, [illegible]	1	(1)		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0222	AMMONIUM NITRATE [illegible]	1	(1)				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0224	BARIUM AZIDE, [illegible]	1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0225	BOOSTERS WITH DETONATOR	1	[illegible]		1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0226	CYCLOTETRAMETHYLENE TETRANITRAMINE [illegible]		[illegible]		1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0234	SODIUM DINITRO-ORTHOCRESOLATE, [illegible]		[illegible]		1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0235	SODIUM PICRAMATE, [illegible]	1	[illegible]		1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0236	ZIRCONIUM PICRAMATE [illegible]	1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR	1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		
0238	ROCKETS, LINE-THROWING	1	[illegible]				[illegible]	[illegible]	[illegible]		[illegible]		
0240	ROCKETS, LINE-THROWING	1	[illegible]				[illegible]	[illegible]	[illegible]		[illegible]		
0241	EXPLOSIVE BLASTING TYPE E	1	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		
0242	CHARGES, [illegible]		[illegible]				[illegible]	[illegible]	[illegible]		[illegible]		
0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with bursting, expelling charge or propelling charge		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with bursting, expelling charge or propelling charge	1	[illegible]		1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with bursting, expelling charge or propelling charge	1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with bursting, expelling charge or propelling charge	1	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]		
0247	AMMUNITION, INCENDIARY, liquid or gel with bursting, expelling charge or propelling charge	1	[illegible]		1		[illegible]	[illegible]	[illegible]		[illegible]		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
6.5	4.7.5, 6.8.4	9.1.1.1	1.1.3.6 (8.6)	7.1.4	7.3.3	7.5.21	8.5	5.3.2.3		3.1.1
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (1000000)	V2		CV1 CV2 CV3	S1		0221	[illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0222	AMMUNITION, TRAIL with more than 0.2% composite [illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3 CV25	S1		0224	[illegible]
			1 (1000000)	V2		CV1 CV2 CV3	S1		0225	[illegible]
			1 (1000000)	V2		CV1 CV2 CV3	S1		0226	[illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0234	[illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0235	[illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0236	[illegible]
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0237	CHARGES, SHAPED, FLEXIBLE, LINEAR
			1 (1000000)	V2		CV1 CV2 CV3	S1		0238	ROCKETS, UNIT, BROWING
			1 (1000000)	V2		CV1 CV2 CV3	S1		0240	ROCKETS, UNIT, BROWING
			1 (1000000)	V2 V3		CV1 CV2 CV3	S1		0241	EXPLOSIVE, BLASTING, TYPE
			1 (1000000)	V2		CV1 CV2 CV3	S1		0242	CHARGES, PROPELLING, FOR CANNON
			1 (1000000)	V2		CV1 CV2 CV3	S1		0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with bursting charge or propelling charge
			1 (1000000)	V2		CV1 CV2 CV3	S1		0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with bursting charge or propelling charge
			1 (1000000)	V2		CV1 CV2 CV3	S1		0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with bursting charge or propelling charge
			1 (1000000)	V2		CV1 CV2 CV3	S1		0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with bursting charge or propelling charge
			1 (1000000)	V2		CV1 CV2 CV3	S1		0247	AMMUNITION, INCENDIARY, liquid or gel, not [illegible] or propelling charge

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	3.1.2.5	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0144	[CONTRIVANCES, WATER ACTIVATED with bursting charge, expelling charge or propelling charge]		2I		1	274	0	1kg	P442	P099	MP9		
0145	[CONTRIVANCES, WATER ACTIVATED with bursting charge, expelling charge or propelling charge]		4I		1	274	0	1kg	P442	P099	MP9		
0146	[CRACKER MOTORS WITH DETONATORS, EQUIPPED with devices expelling charges]	1	1.4S		1		0	1	P101		MP9		
0147	[CRIMPING TOOLS for applying metal closures to glass containers]		8C				0	1L	P001 IBC03	pp27 T1	MP23		
0148	[DETONATORS, NON-ELECTRIC for blasting]	1	1.4S		1.4		0	1kg	P101		MP23		
0149	[DEVICE, DETONATING]	1	1.4S		1.4		0	1kg	P141		MP23		
0150	[DEVICE, CUTTING, explosive, for severing wood]	1	1.4S		1.4		0	1kg	P101 P102 P103		MP23		
0151	[DEVICES, SMALL, HOT-WIRE]	1	1.4S		1.4		0	1kg	P101	P099	MP23		
0152	[DICHLOROBENZIDINE]	6.1	6.1C	III			0	5kg	P002 IBC08		MP19	T3	TP33
0153	[DIETHYLENE GLYCOL DINITRATE, desensitized with not less than 25% non-volatile water-insoluble phlegmatizer by mass]	3	3.1C	II			0	0	P402 P403		MP19	T4	TP24
0154	[DIPICRYLAMINE]	1	1.1D		1.1		0	0	P101		MP23		
0155	[DIPICRYLAMINE]	1	1.1D		1.1		0	0	P101	P099	MP23		
0156	[DIRECTIONAL CONFINEMENT UNITS]	1	1.4S		1.4		0	1kg	P101		MP23		
0157	[DIVERS' DECOMPRESSION CHAMBERS]	1	1.4S		1.4		0	1kg	P101		MP23		
0158	[DIVERS' DECOMPRESSION CHAMBERS]	1	1.4S		1.4		0	1kg	P101		MP23		
0159	[DIVERS' DECOMPRESSION CHAMBERS]	1	1.4S		1.4		0	1kg	P101		MP23		
0160	[DRAIN HOLE CHARGES]	1	1.2D		1.2		0	1kg	P101		MP22		
0161	[DRAIN HOLE CHARGES]	1	1.3C		1.3		0	1kg	P101		MP22		
0162	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0163	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0164	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0165	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0166	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0167	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0168	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0169	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0170	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0171	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0172	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0173	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0174	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0175	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0176	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0177	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0178	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0179	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0180	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0181	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0182	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0183	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0184	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0185	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0186	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0187	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0188	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0189	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0190	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0191	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0192	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0193	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0194	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0195	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0196	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0197	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0198	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0199	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0200	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0201	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0202	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0203	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0204	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0205	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0206	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0207	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0208	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0209	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0210	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0211	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0212	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0213	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0214	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0215	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0216	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0217	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0218	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0219	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0220	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0221	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0222	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0223	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0224	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0225	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0226	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0227	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0228	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0229	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0230	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0231	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0232	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0233	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0234	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0235	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0236	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0237	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0238	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0239	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0240	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0241	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0242	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0243	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0244	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0245	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0246	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0247	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0248	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0249	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0250	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0251	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0252	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0253	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0254	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0255	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0256	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0257	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0258	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0259	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0260	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0261	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0262	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0263	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0264	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0265	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0266	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0267	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0268	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0269	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0270	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0271	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0272	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0273	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0274	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0275	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0276	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0277	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0278	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0279	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0280	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0281	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0282	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0283	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0284	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0285	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0286	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0287	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0288	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0289	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0290	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0291	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0292	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0293	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0294	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0295	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0296	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0297	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0298	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0299	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		
0300	[DRILL BITS, explosive]	1	1.4S		1.4		0	1kg	P101		MP23		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			0 (B)	V2		CV1 CV2 CV3 CV4	S1		0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
			0 (B)	V2		CV1 CV2 CV3 CV4	S1		0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
			0 (B)	V2		CV1 CV2 CV3 CV4	S1		0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge
			2 (E)	V2		CV1 CV2 CV3	S1		0255	DETONATORS, ELECTRIC for blasting
			2 (E)	V2		CV1 CV2 CV3	S1		0257	FUZES, DETONATING
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0266	OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass
			2 (E)	V2		CV1 CV2 CV3	S1		0267	DETONATORS, NON-ELECTRIC for blasting
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0268	BOOSTERS WITH DETONATOR
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0271	CHARGES, PROPELLING
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0272	CHARGES, PROPELLING
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0275	CARTRIDGES, POWER DEVICE
			2 (E)	V2		CV1 CV2 CV3	S1		0276	CARTRIDGES, POWER DEVICE
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0277	CARTRIDGES, OIL WELL
			2 (E)	V2		CV1 CV2 CV3	S1		0278	CARTRIDGES, OIL WELL
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0279	CHARGES, PROPELLING, FOR CANNON
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0280	ROCKET MOTORS
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0281	ROCKET MOTORS
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0282	NITROGUANIDINE (PICRITE) dry or wetted with less than 20% water, by mass
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0283	BOOSTERS without detonator
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0284	GRENADES, hand or rifle, with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0285	GRENADES, hand or rifle, with bursting charge

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packagings			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.4.1.2	4.1.1	4.1.4	4.1.10	4.2.5.2 T.2.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0158	COMPRESSED GAS, N.O.S.	2	2				0	120	P200 LP200		MP9		
0159	COMPRESSED GAS, N.O.S.	2	2		2		0	120	P200 LP200	PP2	MP9		
0160	CHARGES, SHAPED FLAMMABLE	1	1.1D		1		0	50	P131		MP21		
0161	COMBUSTIBLE LIQUID	3	3		3		5 L	60 L	P001 IBC02	B1	MP19	T4	TP1 TP29
0162	CALCIUM SILICIDE	4.3	4.3		4.3		0	500 g	P410	PP31	MP19	T7	TP33
0163	CHARGES, SHAPED, NOT FLAMMABLE	1	1.1D		1		0	50	P131		MP21		
0164	ARTICLES, PYROPHORIC	1	1.2L		1		0	0	P100		MP21		
0165	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2F		1		0	0	P101		MP21		
0166	ROCKETS WITH EXPLOSIVE CHARGE	1	1.2F		1		0	0	P101		MP21		
0167	GUNS, RECOILLESS	1	1.1F		1		0	50	P130 LP130		MP21		
0168	CARTRIDGES, SMALL ARMS	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0169	CARTRIDGES, SMALL ARMS BLANK	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0170	AMMUNITION, SMALL ARMS, INCENDIARY or TRACER or EXPLOSIVE BULLET	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0171	AMMUNITION, SMALL ARMS	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0172	PROJECTILE, GUIDED	1	1.1F		1.4		0	50	P130 LP130	PP32	MP21		
0173	DEVICES, EXPLOSIVE	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0174	RIVETS, EXPLOSIVE	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0175	CHARGES, DEMOLITION	1	1.1D		1.4		0	50	P131		MP21		
0176	TORPEDOES, LIQUID FUELLED, WITH BURSTING CHARGE	1	1.1J		1.4		0	50	P131		MP21		
0177	PROJECTILES, INERT WITH TRACER	1	1.3G		1.4		0	50	P130 LP130	PP32	MP21		
0178	PROJECTILES, INERT WITH TRACER	1	1.4G		1.4		0	5 000	P130 LP130	PP32	MP21		
0179	TORPEDOES, LIQUID FUELLED, INERT	1	1.3J		1.4		0	50	P131		MP21		
0180	ARTICLES, PYROTECHNIC for technical purposes	1	1.4G		1.4		0	5 000	P130 LP130	PP32	MP21		
0181	ARTICLES, PYROTECHNIC for technical purposes	1	1.3G		1.4		0	50	P130 LP130	PP32	MP21		
0182	ARTICLES, PYROTECHNIC for technical purposes	1	1.2G		1.4		0	0	P100		MP21		
0183	ARTICLES, PYROTECHNIC for technical purposes	1	1.1G		1.4		0	50	P131		MP21		
0184	CHARGES, PROPELLING	1	1.3C		1.4		0	50	P131		MP21		
0185	CARTRIDGES, SMALL ARMS	1	1.4S		1.4		0	5 000	P130 LP130	PP32	MP21		
0186	CHARGES, PROPELLING, FOR CANNON	1	1.2C		1.4		0	0	P100		MP21		
0187	CARTRIDGES, SIGNAL	1	1.4G		1.4		0	5 000	P130 LP130	PP32	MP21		
0188	HEXOTONAL	1	1.1D		1		0	50	P131		MP21		
0189	CHARGES, PROPELLING, FOR CANNON	1	1.2C		1.4		0	0	P100		MP21		
0190	BOOSTERS	1	1.1D		1		0	50	P131		MP21		

ADR task		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.3	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (10.4)	V2		CV1 CV2 CV3	S1		1256	ARGILLITE POUR LIQUIDES INFLAMMABLES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1257	SILICIUM POUR LIQUIDES INFLAMMABLES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1258	TRICHLOROPROPANE
			- (-)	V2		CV1 CV2 CV3	S1		1259	NICKEL TÉTRACARBONYLE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1260	METHANOL
			1 (10.4)	V2		CV1 CV2 CV3	S1		1261	NITROMÉTHANE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1262	OCTANES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1263	PEINTURES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1264	PARALDÉHYDE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1265	PENTANES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1266	PRODUITS POUR PARFUMERIE
			2 (-)	V2		CV1 CV2 CV3	S1		1267	PÉTROLE BRUT
			1 (10.4)	V2		CV1 CV2 CV3	S1		1268	DISTILLATS DE PÉTROLE
			2 (-)	V2		CV1 CV2 CV3	S1		1269	CAOUTCHOUC POUR PNEUMATIQUES
			2 (-)	V2		CV1 CV2 CV3	S1		1270	HUILE DE NAPHTE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1271	HUILE DE PIN
			1 (10.4)	V2		CV1 CV2 CV3	S1		1272	HUILE DE PIN
			2 (-)	V2		CV1 CV2 CV3	S1		1273	PARFUMERIES
			2 (-)	V2		CV1 CV2 CV3	S1		1274	PROPANOLS
			2 (-)	V2		CV1 CV2 CV3	S1		1275	PROPIONALDÉHYDE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1276	PROPIONATE D'ÉTHYLE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1277	PROPYLAMINE
			2 (-)	V2		CV1 CV2 CV3	S1		1278	1-CHLOROPROPANE
			2 (-)	V2		CV1 CV2 CV3	S1		1279	1,2-DICHLOROPROPANE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1280	OXYDE DE PROPYLÈNE
			1 (10.4)	V2		CV1 CV2 CV3	S1		1281	PROPYLFORMIATES
			1 (10.4)	V2		CV1 CV2 CV3	S1		1282	PYRIDINE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0055	BOMBS	1	1.1		1		0	0	P 146		MP19		
0056	BOMBS	1	1.1		1		0	0	P 101		MP19		
0059	CHARGES	1	1.1		1		0	0	P 101		MP19		
0060	DETONATORS	1	1.1		1		0	0	P 101		MP19		
0065	CORD, DETONATING, flexible	1	1.1		1		0	0	P 101		MP19		
0066	CORD, DETONATING, flexible	1	1.2		1		0	0	P 101		MP19		
0070	CUTTERS, CABLE, EXPLOSIVE		1.4		1		0	0	P 101		MP19		
0071	DETONATING CORD	1	1.1		1		0	0	P 101		MP19		
0072	CYCLONITE (RDX) MIXTURE with not less than 15% wax by mass	1	1.1		1		0	0	P 101		MP19		
0073	DETONATORS, ELECTRIC for blasting	1	1.4		1	S7	0	0	P 101 LP 101		MP19		
0074	DIAZODINITROPHENOL, wetted with not less than 40% water or mixture of alcohol and water, by mass	1	1.1		1		0	0	P 101		MP19		
0075	DIETHYLENEGLYCOL DINITRATE, desensitized with not less than 25% non-volatile, water-insoluble phlegmatizer by mass	3	1.1		3		0	0	P 101		MP19		
0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass	1	1.1		1		0	0	P 101		MP19		
0077	DINITROPHENOLATES, dry or wetted with less than 15% water, by mass	1	1.1		1		0	0	P 101		MP19		
0078	DINITROPHENYLHYDRAZINE, dry or wetted with less than 15% water, by mass	1	1.1		1		0	0	P 101		MP19		
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE, HEXYL)	1	1.1		1		0	0	P 101		MP19		
0081	EXPLOSIVE, BLASTING, TYPE A	1	1.1		1		0	0	P 101		MP19		
0082	EXPLOSIVE, BLASTING, TYPE B	1	1.1		1		0	0	P 101		MP19		
0083	EXPLOSIVE, BLASTING, TYPE C	1	1.1		1		0	0	P 101		MP19		
0084	EXPLOSIVE, BLASTING, TYPE D	1	1.1		1	S7	0	0	P 101	P 101 P 102 LP 101	MP19	T1	TP1 TP27 TP28
0085	EXPLOSIVE, BLASTING, TYPE E	1	1.1		1	S7	0	0	P 101	P 101 P 102 LP 101	MP19	T1	TP1 TP27 TP28
0092	FLARES, surface	1	1.3		1		0	0	P 101		MP19		
0093	FLASH POWDER	1	1.1		1		0	0	P 101		MP19		
0094	FUSE, DETONATING, metal clad	1	1.1		1		0	0	P 101		MP19		
0099	FUSE, DETONATING, flexible	1	1.1		1		0	0	P 101		MP19		
0101	FUSE, IGNITER, tubular, metal clad	1	1.4		1	S7	0	0	P 101		MP19		
0102	FUSE, NON-DETONATING	1	1.4		1		0	0	P 101		MP19		
0103	FUSE, SAFETY	1	1.4		1		0	0	P 101		MP19		
0104	CORD, IGNITER	1	1.4		1		0	0	P 101		MP19		
0105	FUSE, QUICK MATCH	1	1.4		1		0	0	P 101		MP19		
0106	DETONATORS, NON-ELECTRIC for blasting	1	1.4		1	S7	0	0	P 101 LP 101		MP19		
0107	CHARGES, DEPTH	1	1.1		1		0	0	P 101		MP19		
0110	GRENADES, hand or rifle, with bursting charge	1	1.1		1		0	0	P 101		MP19		
0113	GUNPOWDER, granular or as meal	1	1.1		1		0	0	P 101		MP19		
0114	GUNPOWDER, black (granular or as meal)	1	1.1		1		0	0	P 101		MP19		
0118	HEXOTONAL	1	1.1		1		0	0	P 101		MP19		
0121	IGNITERS	1	1.1		1		0	0	P 101		MP19		
0122	IGNITERS	1	1.4		1	S7	0	0	P 101		MP19		
0124	JET PERFORATING GUNS, charged, without detonator	1	1.1		1		0	0	P 101		MP19		
0129	LEAD AZIDE, wetted with not less than 20% water or mixture of alcohol and water, by mass	1	1.1		1		0	0	P 101		MP19		
0130	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), wetted with not less than 20% water or mixture of alcohol and water, by mass	1	1.1		1		0	0	P 101		MP19		
0131	LIGHTERS, FUSE	1	1.4		1	S7	0	0	P 101		MP19		
0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.	1	1.3		1		0	0	P 101		MP19		
0133	MANNITOL HEXANITRATE (NITROMANNITE), wetted with not less than 40% water or mixture of alcohol and water, by mass	1	1.1		1		0	0	P 101		MP19		
0135	MERCURY FULMINATE, wetted with not less than 20% water or mixture of alcohol and water, by mass	1	1.1		1		0	0	P 101		MP19		
0136	MINES with bursting charge	1	1.1		1	S7	0	0	P 101		MP19		
0137	MINES with bursting charge	1	1.2		1	S7	0	0	P 101		MP19		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0315	IGNITERS
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0316	FUZES, IGNITING
			2 (E)	V2		CV1 CV2 CV3	S1		0317	FUZES, IGNITING
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0318	GRENADES, PRACTICE hand or rifle
			(C5000D)	V2		CV1 CV2 CV3	S1		0319	PRIMERS, TUBULAR
			2 (E)	V2		CV1 CV2 CV3	S1		0320	PRIMERS, TUBULAR
			(B1000C)	V2		CV1 CV2 CV3	S1		0321	CARTRIDGES FOR WEAPONS with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3 CV4	S1		0322	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge
			4 (E)			CV1 CV2 CV3	S1		0323	CARTRIDGES, POWER DEVICE
			(B1000C)	V2		CV1 CV2 CV3	S1		0324	PROJECTILES with bursting charge
			2 (E)	V2		CV1 CV2 CV3	S1		0325	IGNITERS
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0326	CARTRIDGES FOR WEAPONS, BLANK
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0327	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0328	CARTRIDGES FOR WEAPONS, INERT PROJECTILE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0329	TORPEDOES with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0330	TORPEDOES with bursting charge
S2.65AN(+)	TU3 TU12 TU41 TC8 TA1 TA5	EX/III	1 (B1000C)	V2 V12		CV1 CV2 CV3	S1	1.5D	0331	EXPLOSIVE, BLASTING, TYPE B (AGENT, BLASTING, TYPE B)
		EX/III	1 (B1000C)	V2 V12		CV1 CV2 CV3	S1	1.5D	0332	EXPLOSIVE, BLASTING, TYPE E (AGENT, BLASTING, TYPE E)
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0333	FIREWORKS
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0334	FIREWORKS
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0335	FIREWORKS
			2 (E)	V2		CV1 CV2 CV3	S1		0336	FIREWORKS

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.1.2	2.2	2.2	2.1.1.3	5.2.2	3.1	3.4	5.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.2.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0337	FIREWORKS	1	45		1.4	145	0	1	P135		MP25 MP25		
0338	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES SMALL ARMS, BLANK	1	[illegible]		1		0	10	P130		MP23		
0339	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES SMALL ARMS	1	[illegible]		1.4		0	10	P130		MP23		
0340	NITROCELLULOSE, dry or wetted with less than 25% water or alcohol by mass	1	110		1			10	P112(a) P112(b)		MP20		
0341	NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance by mass	1	110					10	P112(b)		MP20		
0342	NITROCELLULOSE, WETTED with less than 25% alcohol by mass	1	31			105	0	10	P113(a)	P243	MP20		
0343	NITROCELLULOSE, PLASTICIZED with more than 18% plasticizing substance by mass	1	1.31		1	105	0	10	P113		MP20		
0344	PROJECTILES with bursting charge	1	411		1.4		0	10	P130 P131	P267 [illegible]	MP23		
0345	PROJECTILES with tracer	1	1.45		1.4		0	10	P130 P101	P262 1	MP23		
0346	PROJECTILES with marker or bursting charge	1	213		1		0	10	P130 P101	P267 1	MP23		
0347	PROJECTILES with bursting or expelling charge	1	412		1.4		0	10	P130 P101	P267 [illegible]	MP23		
0348	CARTRIDGES FOR WEAPONS with bursting charge		1.41		1.4		0	10	P130		MP23		
0349	ARTICLES, EXPLOSIVE, NOS		18		1	78 274		10	P101		MP2		
0350	ARTICLES, EXPLOSIVE, NOS		1.48		1.4	78 274	0	60	P101		MP2		
0351	ARTICLES, EXPLOSIVE, NOS		1.1		1.4	78 274	0	10	P101		MP2		
0352	ARTICLES, EXPLOSIVE, NOS		1.41		1.4	108 [illegible]	0	10	P101		MP2		
0353	ARTICLES, EXPLOSIVE, NOS	1	41		1.4	78 274	0	10	P101		MP2		
0354	ARTICLES, EXPLOSIVE, NOS		1.11		1	78 274	0	10	P111		MP2		
0355	ARTICLES, EXPLOSIVE, NOS		1.21		1	78 274	0	10	P101		MP2		
0356	ARTICLES, EXPLOSIVE, NOS		31		1	78 274		10	P101		MP2		
0357	SUBSTANCES, EXPLOSIVE, NOS		41			1.2 274		50	P101		MP1		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, n 6.4	9.1.1.2	1.1.1.6 (5.4)	7.2.4	5.1.1	7.5.11	8.5	5.1.2.1		5.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (1)			CV1 CV2 CV3	S		0337	FIREWORKS
			(1)	V1		CV1 CV2 CV3	S		0338	CARTRIDGES FOR WEAPONS BLANK or CARTRIDGES SMALL ARMS BLANK
			2 (1)	V1		CV1 CV2 CV3	S		0339	CARTRIDGES FOR WEAPONS INERT PROJECTILE or CARTRIDGES SMALL ARMS
			1 (1,000)	V2 V3		CV1 CV2 CV3	S		0340	NITROCELLULOSE [illegible]
			1 (1,000)	V2 V3		CV1 CV2 CV3	S		0341	NITROCELLULOSE [illegible]
			1 (1,000)	V2		CV1 CV2 CV3	S1		0342	NITROCELLULOSE WETTED [illegible]
			1 (1,000)	V2		CV1 CV2 CV3	S		0343	NITROCELLULOSE PLASTICIZED [illegible]
			1 (1)	V2		CV1 CV2 CV3	S		0344	PROJECTILES with bursting charge
			1 (1)			CV1 CV2 CV3	S		0345	PROJECTILES [illegible]
			1 (1,000)	V1		CV1 CV2 CV3	S		0346	PROJECTILES with bursting or expelling charge
			2 (1)	V2		CV1 CV2 CV3	S1		0347	PROJECTILES with bursting or expelling charge
			2 (1)	V2		CV1 CV2 CV3	S1		0348	CARTRIDGES FOR WEAPONS with bursting charge
			1 (1)			CV1 CV2 CV3	S1		0349	ARTICLES EXPLOSIVE NOS
			2 (1)	V2		CV1 CV2 CV3	S		0350	ARTICLES EXPLOSIVE NOS
			1 (1)	V2		CV1 CV2 CV3	S1		0351	ARTICLES EXPLOSIVE NOS
			2 (1)	V2		CV1 CV2 CV3	S		0352	ARTICLES EXPLOSIVE NOS
			1 (1)	V2		CV1 CV2 CV3	S		0353	ARTICLES EXPLOSIVE NOS
			(5)	V2		CV1 CV2 CV3 CV4	S1		0354	ARTICLES EXPLOSIVE NOS
			(5)	V2		CV1 CV2 CV3 CV4	S1		0355	ARTICLES EXPLOSIVE NOS
			(5)	V2		CV1 CV2 CV3 CV4	S1		0356	ARTICLES EXPLOSIVE NOS
			(5)	V2		CV1 CV2 CV3 CV4	S1		0357	SUBSTANCES EXPLOSIVE NOS

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.4.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1	2L		1	78 274	0	10	P101		MP1		
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1L		1	78 274	0	10	P100		MP1		
0361	DETONATORS, ASSEMBLIES, NON-ELECTRIC (with blasting)	1	1B		1		0	10	P131		MP23		
0363	DETONATORS, ASSEMBLIES, NON-ELECTRIC (with blasting)	1	1D		1		0	10	[illegible]		MP23		
0365	AMMUNITION, PRACTICE	1	1.4S		1		0	10	P131 P200	PP2 1	MP23		
0366	AMMUNITION, PRODUCE	1	1.4C		4		0	10	P131 P200	PP2 1	MP23		
0364	DETONATORS FOR AMMUNITION	1	1.2S		1		0	10	P131		MP23		
0367	DETONATORS FOR AMMUNITION	1	1.4S		1.4		0	10	P131		MP23		
0366	DETONATORS FOR AMMUNITION	1	1.4S		1.4	347	0	10	P131		MP23		
0367	FUZES, DETONATING	1	1.4S		1.4		0	10	P131		MP23		
0368	FUZES, DETONATING	1	1.4S		1.4		0	10	P131		MP23		
0369	WARHEADS, ROCKET with bursting charge	1	1.1F				0	10	P130		MP23		
0370	WARHEADS, ROCKET with bursting or expelling charge	1	1.4D		1.4		0	10	P130 LP101	PP2 1.1	MP23		
0371	WARHEADS, ROCKET with bursting or expelling charge		4F		1.4		0	10	P130		MP23		
0372	GRENADES, PRACTICE, hand or rifle	1	1.4S		1		0	10	P141		MP23		
0373	SIGNAL DEVICES, HAND	1	1S		1.4		0	10	P137		MP23 MP24		
0374	SOUNDING DEVICES, EXPLOSIVE	1	1.1D		1		0	10	P134 P102		MP23		
0375	SOUNDING DEVICES, EXPLOSIVE	1	1.2D		1		0	10	P134 P102		MP23		
0376	PRIMERS, CUP TYPE	1	1.4S		1		0	10	P131		MP23		
0377	PRIMERS, CAP TYPE	1	1B		1		0	10	P131		MP23		
0378	PRIMERS, CAP TYPE	1	1.4S		1.4		0	10	P131		MP23		
0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1	4C		4		0	10	P136		MP23		
0380	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2L				0	10	P131		MP1		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (B)	V2		CV1 CV2 CV3 CV4	S1		0355	ARTICLES, EXPLOSIVE, N.O.S.
			1 (B)	V2		CV1 CV2 CV3 CV4	S1		0356	ARTICLES, EXPLOSIVE, N.O.S.
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting
			2 (E)	V2		CV1 CV2 CV3	S1		0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting
			4 (E)	V2		CV1 CV2 CV3	S1		0362	AMMUNITION, PRACTICE
			4 (E)	V2		CV1 CV2 CV3	S1		0363	AMMUNITION, PROOF
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0364	DETONATORS FOR AMMUNITION
			2 (E)	V2		CV1 CV2 CV3	S1		0365	DETONATORS FOR AMMUNITION
			4 (E)			CV1 CV2 CV3	S1		0366	DETONATORS FOR AMMUNITION
			4 (E)			CV1 CV2 CV3	S1		0367	FUZES, DETONATING
			4 (E)			CV1 CV2 CV3	S1		0368	FUZES, IGNITING
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0369	WARHEADS, ROCKET with bursting charge
			2 (E)	V2		CV1 CV2 CV3	S1		0370	WARHEADS, ROCKET with burster or expelling charge
			2 (E)	V2		CV1 CV2 CV3	S1		0371	WARHEADS, ROCKET with burster or expelling charge
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0372	GRENADES, PRACTICE, hand or rifle
			4 (E)			CV1 CV2 CV3	S1		0373	SIGNAL DEVICES, HAND
			(B1000C)	V2		CV1 CV2 CV3	S1		0374	SOUNDING DEVICES, EXPLOSIVE
			(B1000C)	V2		CV1 CV2 CV3	S1		0375	SOUNDING DEVICES, EXPLOSIVE
			4 (E)			CV1 CV2 CV3	S1		0376	PRIMERS, TUBULAR
			(B1000C)	V2		CV1 CV2 CV3	S1		0377	PRIMERS, CAP TYPE
			4 (E)	V2		CV1 CV2 CV3	S1		0378	PRIMERS, CAP TYPE
			2 (E)	V2		CV1 CV2 CV3	S1		0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER
			0 (B)	V2		CV1 CV2 CV3 CV4	S1		0380	ARTICLES, PYROPHORIC

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	2.1.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2		4.1.4	4.1.4	4.1.10	4.2.5.2 4.2.5.3	4.2.5.4
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	1	1.4		1		0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.4		1	[illegible]	0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.4		1	[illegible]	0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.4		1	[illegible]	0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]		MP2		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]	[illegible]	MP1		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]		MP2		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]		MP2		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]		MP2		
[illegible]	[illegible]	1	1.1				0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.1		1	[illegible]	0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.1				0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]	[illegible]	MP1		
[illegible]	[illegible]	1	2.1		1		0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1.1		1		0	1	[illegible]		MP1		
[illegible]	[illegible]	1	1		1		0	1	[illegible]		MP1		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]			[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0398	ROCKETS, LIQUID FUELLED with bursting charge	1	1.2J				0	E0	P101		MP23		
0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1	1.1J				0	E0	P101		MP23		
0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1	1.2J		1		0	E0	P101		MP23		
0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass	1	1.1D		1		0	E0	P112(a) P112(b) P112(c)		MP20		
0402	AMMONIUM PERCHLORATE	1	1.1D		1	[illegible]	0	E0	P112(b) P112(c)		MP20		
0403	FLARES, AERIAL	1	1.4G		1.4		0	E0	P135		MP23		
0404	FLARES, AERIAL	1	1.4S		1.4		0	E0	P135		MP23		
0405	CARTRIDGES, SIGNAL	1	1.4S		1.4		0	E0	P135		MP23 MP24		
0406	DINITROSOBENZENE	1	1.3C		1		0	E0	P114(b)		MP20		
0407	TETRAZOL-1-ACETIC ACID	1	1.4C		1.4		0	E0	P114(b)		MP20		
0408	FUZES, DETONATING with protective features	1	1.1D		1		0	E0	P141		MP21		
0409	FUZES, DETONATING with protective features	1	1.2D		1		0	E0	P141		MP21		
0410	FUZES, DETONATING with protective features	1	1.4D		1.4		0	E0	P141		MP21		
0411	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass	1	1.1D		1	[illegible]	0	E0	P112(b) P112(c)		MP20		
0412	CARTRIDGES FOR WEAPONS with bursting charge	1	1.4E		1.4			E0	P130 LP101	PP67 L1	MP21		
0413	CARTRIDGES FOR WEAPONS, BLANK	1	1.2C		1		0	E0	P130		MP22		
0414	CHARGES, PROPELLING, FOR CANNON	1	1.2C		1		0	E0	P130		MP22		
0415	CHARGES, PROPELLING	1	1.2C		1		0	E0	P143	PP76	MP22		
0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1	1.3C		1		0	E0	P130		MP22		
0418	FLARES, SURFACE	1	1.1G		1		0	E0	P135		MP23		
0419	FLARES, SURFACE	1	1.2G		1		0	E0	P135		MP23		
0420	FLARES, AERIAL	1	1.1G		1			E0	P135		MP23		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0397	ROCKETS, LIQUID FUELLED with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0402	AMMONIUM PERCHLORATE
			2 (E)	V2		CV1 CV2 CV3	S1		0403	FLARES, AERIAL
			4 (E)			CV1 CV2 CV3	S1		0404	FLARES, AERIAL
			4 (E)			CV1 CV2 CV3	S1		0405	CARTRIDGES, SIGNAL
			1 (C5000D)	V2 V3		CV1 CV2 CV3	S1		0406	DINITROSOBENZENE
			2 (E)	V2		CV1 CV2 CV3	S1		0407	TETRAZOL-1-ACETIC ACID
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0408	FUZES, DETONATING with protective features
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0409	FUZES, DETONATING with protective features
			2 (E)	V2		CV1 CV2 CV3	S1		0410	FUZES, DETONATING with protective features
			1 (B1000C)	V2 V3		CV1 CV2 CV3	S1		0411	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass
			2 (E)	V2		CV1 CV2 CV3	S1		0412	CARTRIDGES FOR WEAPONS with bursting charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0413	CARTRIDGES FOR WEAPONS, BLANK
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0414	CHARGES, PROPELLING, FOR CANNON
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0415	CHARGES, PROPELLING
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0418	FLARES, SURFACE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0419	FLARES, SURFACE
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0420	FLARES, AERIAL

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Special provisions
3.1.2		2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 6.9.1	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3477	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUID	8	C9	III			5 L	1 L	P003		MP19		
3478	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUID	8	C9	II			1 L	0.5 L	P003 P005	PP12	MP19		
3479	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUID	8	C9	I			0.5 L	0.5 L	P003 P005	PP12	MP19		
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	A20				5 kg	5 kg	P903		MP24		
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries)	9	A20				5 kg	5 kg	P903		MP24		
3481	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	A20				5 kg	5 kg	P903		MP24		
3482	ALKALI METAL DISPERSION or ALKALI METAL DISPERSION (flammable)	4.3	W2	I	4.3		0	0	P402 P403		MP7 MP14	T7	TP7 TP33
3483	ALKYLAMINES, LIQUID, N.O.S. or ARYLAMINES, LIQUID, N.O.S. or HETEROCYCLIC AMINES, LIQUID, N.O.S. (flammable)	8	C7	II	3		1 L	0.5 L	P001 IBC02	PP2	MP19	T7	TP1 TP28
3484	HYDRAZINE, AQUEOUS SOLUTION (flammable) with more than 37% hydrazine, by mass	8	C7	I	3 6.1		0	0	P001		MP19	T14	TP2 TP13 TP27
3485	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1	O2	II			1 kg	1 kg	P002 IBC08	PP10	MP19	T3	TP33
3486	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	O2	II			1 kg	1 kg	P002 IBC08	PP10	MP19	T3	TP33
3487	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1	O2	III			5 kg	5 kg	P002 IBC08	PP10	MP19	T1	TP33
3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	I	6.1 3		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	II	6.1 3		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3490	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	III	6.1 3		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3491	TOXIC BY INHALATION LIQUID, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	I	6.1		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3492	TOXIC BY INHALATION LIQUID, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	II	6.1		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3493	TOXIC BY INHALATION LIQUID, N.O.S. with an LC50 lower than or equal to 200 ml/m³ and saturated vapour concentrations greater than or equal to 500 LC50	6.1	T1	III	6.1		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	F1	I	3 6.1		0	0	P001		MP19	T14	TP2 TP13 TP27
3495	IODINE	8	C1	II	8		1 kg	1 kg	P002 IBC08	PP10	MP19	T3	TP33
3496	BATTERIES, NICKEL-METAL HYDRIDE	9	A20				5 kg	5 kg	P903		MP24		
3497	KRILL MEAL	9	M11	III			5 kg	5 kg	P002 IBC08	PP10	MP19	T1	TP33
3498	IRON PENTACARBONYL, LIQUID	6.1	T1	I	6.1 3		0	0	P001 IBC02	PP2	MP19	T14	TP2 TP13 TP27
3499	CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3 Wh)	9	A20				5 kg	5 kg	P903		MP24		
3500	CHEMICAL UNDER PRESSURE, N.O.S.	2	5A		2.2		0	0	P206		MP9	T50	TP20
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2	5F		2.1		0	0	P206		MP9	T50	TP20
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2	5T		2.3		0	0	P206		MP9	T50	TP20

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0421	FLARES, AERIAL
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0424	PROJECTILES, inert with tracer
			2 (E)	V2		CV1 CV2 CV3	S1		0425	PROJECTILES, inert with tracer
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0426	PROJECTILES with burster or expelling charge
			2 (E)	V2		CV1 CV2 CV3	S1		0427	PROJECTILES with burster or expelling charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0428	ARTICLES, PYROTECHNIC for technical purposes
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0429	ARTICLES, PYROTECHNIC for technical purposes
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0430	ARTICLES, PYROTECHNIC for technical purposes
			2 (E)	V2		CV1 CV2 CV3	S1		0431	ARTICLES, PYROTECHNIC for technical purposes
			4 (E)			CV1 CV2 CV3	S1		0432	ARTICLES, PYROTECHNIC for technical purposes
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0433	POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0434	PROJECTILES with burster or expelling charge
			2 (E)	V2		CV1 CV2 CV3	S1		0435	PROJECTILES with burster or expelling charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0436	ROCKETS with expelling charge
			1 (C5000D)	V2		CV1 CV2 CV3	S1		0437	ROCKETS with expelling charge
			2 (E)	V2		CV1 CV2 CV3	S1		0438	ROCKETS with expelling charge
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0439	CHARGES, SHAPED without detonator
			2 (E)	V2		CV1 CV2 CV3	S1		0440	CHARGES, SHAPED without detonator
			4 (E)			CV1 CV2 CV3	S1		0441	CHARGES, SHAPED without detonator
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator
			1 (B1000C)	V2		CV1 CV2 CV3	S1		0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator
			2 (E)	V2		CV1 CV2 CV3	S1		0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator
			4 (E)			CV1 CV2 CV3	S1		0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator
			2 (E)	V2		CV1 CV2 CV3	S1		0446	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 37	4.2.5.3
1111	121	15a)	15b)	141	15b	161	17a)	17b)	181	18a)	18b)	4119	119)
0112	[illegible]								P116		5.0[illegible]		
0113	[illegible]								P112		5.0[illegible]		
0114	[illegible]								P114		5.0[illegible]		
0129	[illegible]								P112		5.0[illegible]		
0151	[illegible]								P116 P116	P116 11	5.0[illegible]		
0152	[illegible]								P112		5.0[illegible]		
0153	[illegible]								P112		5.0[illegible]		
0154	[illegible]								P112		5.0[illegible]		
0155	[illegible]					347			P112	7.0.5	5.0[illegible]		
0156	[illegible]					347			P112		5.0[illegible]		
0157	[illegible]								P112		5.0[illegible]		
0158	[illegible]								[illegible]		[illegible]		
0159	[illegible]								[illegible]		5.0[illegible]		
0160	[illegible]					347			P112		5.0[illegible]		
0161	[illegible]					347 274			P112		5.0[illegible]		
0162	[illegible]					347 274			P112		5.0[illegible]		
0163	[illegible]					347 274			P112		5.0[illegible]		
0164	[illegible]					347 274			P112		5.0[illegible]		
0165	[illegible]					347 274			P112		5.0[illegible]		
0166	[illegible]					347 274			P112		5.0[illegible]		
0167	[illegible]					347 274			P112		5.0[illegible]		
0168	[illegible]					347 274			P112		5.0[illegible]		
0169	[illegible]					347 274			P112		5.0[illegible]		
0170	[illegible]					347 274			P112		5.0[illegible]		

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.2	3.1.5, 3.1.6	9.1.1.2	1.1.3.6 (3.4.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.1.3		3.1.2
(12)	(13)	(14)	(15)	(16a)	(17)	(18)	(19)	(20)	(0)	(2)
			1	V2		CV1 CV2 CV3	S		1165	EXPANDED NATURAL GAS, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content
			1	V2		CV1 CV2 CV3	S		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S		1011	BUTANE or BUTANE MIXTURE
			1	V2		CV1 CV2 CV3	S		1978	PROPANE or PROPANE MIXTURE
			1	V2		CV1 CV2 CV3	S		1077	PROPYLENE or PROPYLENE MIXTURE
			2	V2		CV1 CV2 CV3	S		1969	ISOBUTANE
			1	V2		CV1 CV2 CV3	S		1010	BUTADIENES, STABILIZED
			2			CV9 CV2 CV13	S		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S		1010	BUTADIENES, STABILIZED
			1	V1		CV1 CV2 CV3	S		1010	BUTADIENES, STABILIZED
			1	V1		CV1 CV2 CV3	S		1010	BUTADIENES, STABILIZED
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1	V2		CV1 CV2 CV3	S1		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	3.1	3.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 3)	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1947	SULPHUR, EXPLOSIVE	1	1.1D		1.4	1.3 274	0	1.1	P112		MP19		
1975	NITRIC OXIDE, EXPLOSIVE	1	1.1F		1.1	1.3 274	0	1.1	P112		MP2		
1976	OCTAFLUOROCYCLOBUTANE	2	2		2	2.2	0	1.1	P200		MP9		
1977	NITROGEN, REFRIGERATED LIQUID	2	2.2		2	2.2 274	0	1.1	P203		MP2		
1978	PROPANE	2	2.1		2	2.1	0	1.1	P200		MP9		
1979	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED	2	2.1		2	2.1	0	1.1	P200		MP9		
1980	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID	2	2.1		2	2.1	0	1.1	P203		MP2		
1981	NEON, REFRIGERATED LIQUID	2	2.2		2	2.2	0	1.1	P203		MP2		
1982	TETRAFLUOROMETHANE or REFRIGERANT GAS R 14	2	2.2		2	2.2	0	1.1	P200		MP9		
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE or REFRIGERANT GAS R 133a	2	2.2		2	2.2	0	1.1	P200		MP9		
1984	TRIFLUOROMETHANE or REFRIGERANT GAS R 23	2	2.2		2	2.2	0	1.1	P200		MP9		
1985	CARBON MONOXIDE, REFRIGERATED LIQUID	2	2.1		2	2.1	0	1.1	P203		MP2		
1986	HYDROGEN, REFRIGERATED LIQUID	2	2.1		2	2.1	0	1.1	P203		MP2		
1987	ALCOHOLS, N.O.S.	3	3	II	3		1 L	1.1	P001 IBC02		MP19	T4	TP1
1988	ALDEHYDES, N.O.S.	3	3	II	3		1 L	1.1	P001 IBC02		MP19	T4	TP1
1989	ALDEHYDES, N.O.S.	3	3	I	3		0	1.1	P001		MP2	T7	TP1
1990	BENZALDEHYDE	9	9	III	9		5 L	1.1	P001 IBC03		MP19	T4	TP1
1991	CHLOROPRENE, STABILIZED	3	3	I	3 6.1		0	1.1	P001		MP2	T7	TP1
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	3	I	3 6.1		0	1.1	P001		MP2	T7	TP1
1993	FLAMMABLE LIQUID, N.O.S.	3	3	II	3		1 L	1.1	P001 IBC02		MP19	T4	TP1
1994	IRON PENTACARBONYL	6.1	6.1	I	6.1		0	1.1	P001		MP2	T7	TP1
1995	CARGO TANK, FLAMMABLE LIQUID, N.O.S.	3	3				0	1.1			MP19	T4	TP1
1996	CARGO TANK, FLAMMABLE LIQUID, N.O.S.	3	3				0	1.1			MP19	T4	TP1
1997	TETRAHYDROFURFURYLAMINE	3	3	III	3		5 L	1.1	P001 IBC03		MP19	T4	TP1
1998	DICHLOROPROPANOLS	6.1	6.1	II	6.1		1 L	1.1	P001 IBC02		MP19	T4	TP1
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	3	III	3		5 L	1.1	P001 IBC03		MP19	T4	TP1
2000	CELLULOID in blocks, rods, rolls, sheets, tubes, etc., except scrap	4.1	4.1	II	4.1		1 kg	1.1	P002 IBC02		MP19	T4	TP1
2001	COBALT NAPHTHENATES, POWDER	4.1	4.1	III	4.1		5 kg	1.1	P002 IBC03		MP19	T4	TP1
2002	CELLULOID, SCRAP	4.2	4.2	II	4.2		0	1.1	P002 IBC02		MP19	T4	TP1
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S. or METAL ARYLS, WATER-REACTIVE, N.O.S.	4.3	4.3	I	4.3		0	1.1	P402		MP2	T7	TP2
2004	MAGNESIUM DIAMIDE	4.2	4.2	III	4.2		5 kg	1.1	P002 IBC03		MP19	T4	TP1
2005	MAGNESIUM DIPHENYL	4.2	4.2	II	4.2		1 kg	1.1	P002 IBC02		MP19	T4	TP1
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	4.2	II	4.2		0	1.1	P002		MP19	T4	TP1
2007	CHARCOAL, ARTIFICIALLY ACTIVATED	4.2	4.2	III	4.2		5 kg	1.1	P002 IBC03		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.1	3.1.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.1	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
									0070	ACETONE CYANOHYDRIN, STABILIZED
									0071	PROPELLANT, LIQUID
									0072	CYCLOTRIMETHYLENETRINITRAMINE, DESENSITIZED with not less than 15 % by mass of phlegmatizer
									0073	DETONATORS, ELECTRIC for blasting
									0074	DIAZODINITROPHENOL, wetted with not less than 40 % water or mixture of alcohol and water, by mass
									0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25 % by mass of non-volatile phlegmatizer
									0076	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25 % by mass of water
									0077	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), with not less than 25 % by mass of water
									0078	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than 15 % by mass of phlegmatizer
									0079	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) mixture, DESENSITIZED with not less than 15 % by mass of phlegmatizer
									0080	PHOSPHORUS, WHITE, WET or DISSOLVED
									0081	EXPLOSIVE, BLASTING, TYPE A
									0082	EXPLOSIVE, BLASTING, TYPE B
									0083	EXPLOSIVE, BLASTING, TYPE C
									0084	EXPLOSIVE, BLASTING, TYPE D
									0085	EXPLOSIVE, BLASTING, TYPE E
									0086	EXPLOSIVE, BLASTING, TYPE F
									0087	EXPLOSIVE, BLASTING, TYPE F, UNDER WATER
									0088	EXPLOSIVE, BLASTING, TYPE F, SUBSTANCE
									0089	EXPLOSIVE, BLASTING, TYPE F, SUBSTANCE, UNDER WATER
									0090	EXPLOSIVE, BLASTING, TYPE F, ARTICLE
									0091	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0092	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0093	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0094	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0095	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0096	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0097	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0098	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0099	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0100	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0101	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0102	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0103	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0104	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0105	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0106	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0107	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0108	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0109	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0110	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0111	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0112	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0113	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0114	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0115	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0116	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0117	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0118	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0119	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0120	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0121	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0122	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0123	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0124	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0125	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0126	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0127	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0128	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0129	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0130	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0131	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0132	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0133	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0134	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0135	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0136	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0137	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0138	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0139	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0140	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0141	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER
									0142	EXPLOSIVE, BLASTING, TYPE F, ARTICLE, UNDER WATER

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	3.1	3.1.2.6	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.4.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	III		9		5 kg	5 kg	P002		MP19		
3078	CERIUM, turnings or gritty powder	4.3	II		4.3		1 kg	1 kg	P410		MP7		
3079	METHACRYLONITRILE, STABILIZED	6.1	I		6.1	13	0	0	P001	IBC02	MP19	T7	TP2
3080	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	II		6.1		5 kg	5 kg	P002 IBC08		MP19	T7	TP2
3081	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	I		6.1		0	0	P001		MP19	T7	TP2
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III		9		5 L	5 L	P001 IBC03 LP01		MP19	T4	TP1
3083	PERCHLORYL FLUORIDE	2	2TO		5.1		0	0	P200		MP9		
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	COS		8 5.1		0	0	P002 IBC08		MP19	T7	TP2
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC		5.1 8		0	0	P002 IBC08		MP19	T7	TP2
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	TO		6.1 5.1		0	0	P002 IBC08		MP19	T7	TP2
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT		5.1 6.1		0	0	P002 IBC08		MP19	T7	TP2
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	SHO		4.2		0	0	P002 IBC08		MP19	T3	TP33
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	FSO		4.1		0	0	P002 IBC08		MP19	T3	TP33
3090	LITHIUM METAL BATTERIES	9	MD		9	188 230 310 348 376 377 384 387	0	0	P903 P908 P909 LP903 LP904		MP24		
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT	9	MD		9	188 230 310 348 376 377 384 387	0	0	P903 P908 P909 LP903 LP904		MP24		
3092	1-METHOXY-2-PROPANOL	3	FT1	III	3		5 L	5 L	P001 IBC03 LP01		MP19	T4	TP1
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	COC		8 5.1		0	0	P001 IBC02		MP15	T10	TP2 TP30
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	CW		8 4.3		0	0	P001 IBC02		MP15	T10	TP2 TP30
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	CSH		8 4.2		0	0	P002 IBC08		MP19	T3	TP33
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	CW		8 4.3		0	0	P002 IBC08		MP19	T3	TP33
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	FO		4.1 5.1		0	0	P002 IBC08		MP19	T3	TP33
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC		5.1 8		0	0	P504		MP15	T8	TP2 TP30
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT	I	5.1 6.1		0	0	P504		MP15	T8	TP2 TP30
3100	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	OW	I	5.1 4.3		0	0	P503		MP15	T8	TP2 TP30
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	P	III	5.2		0	0	P520		MP15	T11	TP2 TP30
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	P	III	5.2		0	0	P520		MP15	T11	TP2 TP30
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2	P	I	5.2		0	0	P520		MP15	T11	TP2 TP30
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2	P	II	5.2		0	0	P520		MP15	T11	TP2 TP30

ADR task		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			2 (E)	V		CV1 CV2 CV3	S		0401	SEEDS, CAUSTIC TRUCK TRANSPORT
			2 (E)	V2		CV1 CV3 CV13	S		0402	[illegible]
			(tunnel restriction code)	V1		CV1 CV2 CV13	S1		0403	[illegible]
			(tunnel restriction code)	V2		CV1 CV2 CV3	S1		0404	[illegible]
			(tunnel restriction code)	V2		CV1 CV3 CV13	S1		0405	[illegible]
			(tunnel restriction code)	V2		CV1 CV3 CV13	S1		0406	[illegible]
			(tunnel restriction code) 1 (D)	V1		CV1 CV2 CV3 CV9 CV10 CV13	S1		0407	[illegible] [illegible]
			2 (E)	V2		CV1 CV3 CV13	S1		0408	[illegible]
			(tunnel restriction code) 2 (D)	V1 V2		CV1 CV2 CV3	S1		0409	[illegible]
			(tunnel restriction code) 2 (D)	V2 V3		CV1 CV9 CV13	S1		0410	[illegible]
			2 (E)	V2		CV1 CV2 CV3	S1		0411	SEEDS, DISTRESSING
			2 (D)			CV1 CV9 CV13	S1		0412	SEEDS, DISTRESSING
			2 (D) (tunnel restriction code)	V1 V2		CV1 CV2 CV3 CV9 CV10 CV13	S1 S1		0413 0414	SEEDS [illegible] [illegible] [illegible]
			2 (E)	V2		CV1 CV2 CV3	S1		0415	POWDER, SMOKELESS
[illegible]	[illegible]	[illegible]	[illegible]			CV1 CV2 CV3	S1	2[illegible]	0416	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			CV1 CV2 CV3	S1		0417	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	V2		CV1 CV2 CV3	S20	225	0418	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			CV1 CV2 CV3	S1A	[illegible]	0419	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			CV1 CV2 CV3	S1	[illegible]	0420	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			CV1 CV2 CV3	S1A	[illegible]	0421	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1009	BROMOTRIFLUORO-METHANE (REFRIGERANT GAS R 13B1)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l	2	2F		2.1	618	0	E0	P200		MP9	(M) T50	
1011	BUTANE	2	2F		2.1	652 657 660	0	E0	P200		MP9	(M) T50	
1012	BUTYLENES MIXTURE or 1-BUTYLENE or cis-2-BUTYLENE or trans-2-BUTYLENE	2	2F		2.1		0	E0	P200		MP9	(M) T50	
1013	CARBON DIOXIDE	2	2A		2.2	584 653	120 ml	E1	P200		MP9	(M)	
1016	CARBON MONOXIDE, COMPRESSED	2	1TF		2.3 2.1		0	E0	P200		MP9	(M)	
1017	CHLORINE	2	2TOC		2.3 5.1 8		0	E0	P200		MP9	(M) T50	TP19
1018	CHLORODIFLUORO-METHANE (REFRIGERANT GAS R 22)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1020	CHLOROPENTAFLUORO-ETHANE (REFRIGERANT GAS R 115)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1022	CHLOROTRIFLUORO-METHANE (REFRIGERANT GAS R 13)	2	2A		2.2		120 ml	E1	P200		MP9	(M)	
1023	COAL GAS, COMPRESSED	2	1TF		2.3 2.1		0	E0	P200		MP9	(M)	
1026	CYANOGEN	2	2TF		2.3 2.1		0	E0	P200		MP9	(M)	
1027	CYCLOPROPANE	2	2F		2.1		0	E0	P200		MP9	(M) T50	
1028	DICHLORODIFLUORO-METHANE (REFRIGERANT GAS R 12)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1029	DICHLOROFLUORO-METHANE (REFRIGERANT GAS R 21)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2	2F		2.1		0	E0	P200		MP9	(M) T50	
1032	DIMETHYLAMINE, ANHYDROUS	2	2F		2.1		0	E0	P200		MP9	(M) T50	
1033	DIMETHYL ETHER	2	2F		2.1		0	E0	P200		MP9	(M) T50	
1035	ETHANE	2	2F		2.1		0	E0	P200		MP9	(M)	

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.5	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1058	LIQUEFIED	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1060	METHYLACETYLENE	2	2F		2.1		0	120	P200		MP9	T50 TP4	
1065	NITROGEN COMPRESSED	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1066	NITROGEN, REFRIGERATED LIQUID	2	3A		2.2		0	120	P203		MP9	T75	TP5
1070	NITROUS OXIDE	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1071	OIL GAS	2	1TF		2.1		0	120	P200		MP9	T50 TP4	
1072	OXYGEN COMPRESSED	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1073	OXYGEN, REFRIGERATED LIQUID	2	3A		2.2		0	120	P203		MP9	T75	TP5
1075	PETROLEUM GASES, LIQUEFIED	2	2F		2.1		0	120	P200		MP9	T50 TP4	
1077	PROPYLENE	2	2F		2.1		0	120	P200		MP9	T50 TP4	
1078	REFRIGERANT GAS, N.O.S.	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1079	SULPHUR DIOXIDE	2	2TC		2.3 2.1		0	120	P200		MP9	T50 TP4	
1080	SULPHUR HEXAFLUORIDE	2	1A		2.2		0	120	P200		MP9	T50 TP4	
1081	TETRAFLUOROETHYLENE, STABILIZED	2	1F		2.1		0	120	P200		MP9	T50 TP4	
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED	2	2TF		2.3 2.1		0	120	P200		MP9	T50 TP4	
1083	TRIMETHYLAMINE, ANHYDROUS	2	1F		2.1		0	120	P200		MP9	T50 TP4	
1085	VINYL BROMIDE, STABILIZED	2	1F		2.1		0	120	P200		MP9	T50 TP4	
1086	VINYL CHLORIDE, STABILIZED	2	1F		2.1		0	120	P200		MP9	T50 TP4	
1087	VINYL METHYL ETHER, STABILIZED	2	1F		2.1		0	120	P200		MP9	T50 TP4	
1088	ACETAL	3	3	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1089	ACETALDEHYDE	3	3	I	3 6.1		0	120	P001		MP9	T14 TP2	
1090	ACETONE	3	3	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1091	ACETONE OILS	3	3	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1092	ACROLEIN, STABILIZED	6.1	6TF	I	6.1 3		0	120	P001		MP9	T14 TP2	
1093	ACRYLONITRILE, STABILIZED	3	3F	I	3 6.1		0	120	P001		MP9	T14 TP2	
1098	ALLYL ALCOHOL	6.1	6TF	I	6.1 3		0	120	P001		MP9	T14 TP2	
1099	ALLYL BROMIDE	3	3F	II	3 6.1		1 L	121	P001 IBC02		MP19	T4 TP1	
1100	ALLYLAMINE	6.1	6TF	I	6.1 3		0	120	P001		MP9	T14 TP2	
1104	AMYL ACETATES	3	3	III	3	223	5 L	132	P001 IBC03		MP19	T2 TP1	
1105	PENTANOLS	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1106	AMYLAMINE	3	3CF	II	3 8		1 L	121	P001 IBC02		MP19	T7 TP1	
1107	AMYL CHLORIDE	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1108	1-PENTENE (n-AMYLENE)	3	3F	I	3		0	120	P001		MP9	T14 TP2	
1109	AMYL FORMATES	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1110	n-AMYL METHYL KETONE	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1111	AMYL MERCAPTANS	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1112	AMYL NITRATES	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1113	AMYL NITRITES	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1114	BENZENE	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1120	BUTANOLS	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1123	BUTYL ACETATES	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1125	n-BUTYLAMINE	3	3CF	II	3 8		1 L	121	P001 IBC02		MP19	T7 TP1	
1126	1-BROMOBUTANE	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1127	CHLOROBUTANES	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1128	n-BUTYL FORMATE	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1129	BUTYRALDEHYDE	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1130	CAMPHOR OIL	3	3	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1131	CARBON DISULPHIDE	3	3CF	I	3 6.1		0	120	P001		MP9	T14 TP2	
1133	ADHESIVES containing flammable liquid	3	3F	II	3	640	1 L	121	P001 IBC02	R001	MP19	T4 TP1	
1134	CHLOROBENZENE	3	3F	III	3		5 L	132	P001 IBC03		MP19	T2 TP1	
1135	ETHYLENE CHLOROHYDRIN	6.1	6TF	I	6.1 3		0	120	P001		MP9	T14 TP2	
1136	COAL TAR DISTILLATES, flammable	3	3F	II	3		1 L	121	P001 IBC02		MP19	T4 TP1	
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	3F	II	3	640	1 L	121	P001 IBC02	R001	MP19	T4 TP1	

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	23	1035	ETHANE
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	23	1036	ETHYLAMINE
RxBN	TU18 TA4 TT9	FL	2 (B/D)	V5		CV9 CV11 CV36	S2 S17	223	1038	ETHYLENE, REFRIGERATED LIQUID
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	23	1039	ETHYL METHYL ETHER
		FL	1 (B/D)			CV9 CV10 CV36	S2 S17	263	1040	ETHYLENE OXIDE
PxBH(M)	TA4 TT9	FL	1 (B/D)			CV9 CV10 CV36	S2 S17	263	1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1MPa (10 bar) at 50 °C
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	239	1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide
			(E)						1043	FERTILIZER AMMONIATING SOLUTION with free ammonia
			3 (E)			CV9			1044	FIRE EXTINGUISHERS with compressed or liquefied gas
			1 (D)			CV9 CV10 CV36	S14		1045	FLUORINE, COMPRESSED
CxBN(M)	TA4 TT9	AT	3 (E)			CV9 CV10 CV36		20	1046	HELIUM, COMPRESSED
PxBH(M)	TA4 TT9 TT10	AT	1 (C/D)			CV9 CV10 CV36	S14	268	1048	HYDROGEN BROMIDE, ANHYDROUS
CxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	23	1049	HYDROGEN, COMPRESSED
PxBH(M)	TA4 TT9 TT10	AT	1 (C/D)			CV9 CV10 CV36	S14	268	1050	HYDROGEN CHLORIDE, ANHYDROUS
			0 (D)			CV1 CV13 CV28	S2 S9 S10 S14		1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water
L21DH(+)	TU14 TU34 TC1 TE21 TA4 TT9 TM3	AT	1 (C/D)			CV13 CV28	S14	886	1052	HYDROGEN FLUORIDE, ANHYDROUS
PxDH(M)	TA4 TT9 TT10	FL	1 (B/D)			CV9 CV10 CV36	S2 S14	263	1053	HYDROGEN SULPHIDE
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	23	1055	ISOBUTYLENE
CxBN(M)	TA4 TT9	AT	3 (E)			CV9 CV10 CV36		20	1056	KRYPTON, COMPRESSED
			2 (D)			CV9	S2		1057	LIGHTERS or LIGHTER REFILLS containing flammable gas
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4.3	4.1.10	4.2.5.2 and 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1910	CALCIUM OXIDE	8	III		8	59	1 kg	E1	P002		MP19	T7	
1911	DIBORANE	2	2TF		2.3		0	E0	P200		MP9		
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2	2F		2.1		0	E0	P200		MP9		
1913	NEON, REFRIGERATED LIQUID	2	3A		2.2		0	E0	P203		MP9	T75	
1914	BUTYL PROPIONATES	3	F1	III	3	223	5 L	E1	P001		MP19	T4	TP1
1915	CYCLOHEXANONE	3	F3	II	3		1 L	E2	P001		MP15	T7	
1916	2,2'-DICHLORODIETHYL ETHER	6	T1	I	6.1		0	E0	P602		MP2	T14	TP2 TP13
1917	ETHYL ACRYLATE, STABILIZED	3	F1	II	3		1 L	E2	P001		MP19	T4	TP1
1918	ISOPROPYLBENZENE	3	F1	III	3	223	5 L	E1	P001		MP19	T2	TP1
1919	METHYL ACRYLATE, STABILIZED	3	F1	II	3		1 L	E2	P001		MP19	T4	TP1
1920	NONANES	3	F1	III	3	223	5 L	E1	P001		MP19	T2	TP1
1921	PROPYLENEIMINE, STABILIZED	3	FT1	I	3 6.1	386	0	E0	P001		MP2	T14	TP2 TP13
1922	PYRROLIDINE	3	FC	II	3 8		1 L	E2	P001		MP19	T7	TP1
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1924	CALCIUM METHANESULPHINATE	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1925	DIMETHYLAMINE, ANHYDROUS	2	2F		2.1		0	E0	P200		MP9		
1926	ETHYL MERCAPTAN	3	F1	II	3		1 L	E2	P001		MP19	T7	TP1
1927	ETHYNYLMAGNESIUM BROMIDE	4.3	W	II	4.3		0	E0	P403		MP14	T3	TP7
1928	METHYL MAGNESIUM BROMIDE	4.3	W	II	4.3		0	E0	P403		MP14	T3	TP7
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1930	POTASSIUM METHANESULPHINATE	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1932	ZIRCONIUM SCRAP	4.2	S	II	4.2		1 kg	E2	P002		MP14	T3	TP33
1933	STANNIC CHLORIDE, ANHYDROUS	8	C1	III	8		5 L	E1	P001		MP19	T7	
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	I II III	6.1	274	0 100 g 1 L	E0 E1 E2	P001 P002 IBC01 IBC02		MP2 MP19 MP20	T14 T7 T11	TP2 TP13 TP28
1936	NITRIC OXIDE, COMPRESSED	2	3O		2.2 5.1	379	0	E0	P200		MP9		
1937	BENZOIN	9	M6	III	9		5 kg	E1	P002		MP19	T1	TP1
1938	BROMOACETIC ACID, SOLID	8	C2	II	8		1 kg	E2	P002		MP14	T3	
1939	PHOSPHORUS OXYBROMIDE	8	C2	II	8		1 kg	E2	P002		MP14	T3	
1940	THIOGLYCOLIC ACID	8	C3	III	8		5 L	E1	P001		MP19	T7	
1941	DIBROMODIFLUOROMETHANE	9	M11	III	9		5 kg	E1	P002		MP19	T1	TP1
1942	AMMONIUM NITRATE, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	O2	III	5.1	307	25 kg	E2	P002		MP9	T3	TP33
1943	1,3-DIFLUOROPROPAN-2-OL	3	F1	III	3		5 L	E1	P001		MP19	T4	TP1
1944	MATCHES, SAFETY (book, card, strike on box)	4.1	F3	II	4.1	293	1 kg	E2	P002		MP14	T3	TP33
1945	MATCHES, WAX VESTA	4.1	F3	II	4.1	293	1 kg	E2	P002		MP14	T3	TP33
1946	RARE GASES, COMPRESSED	2	3A		2.2		0	E0	P200		MP9		
1947	CHLOROACETONE, STABILIZED	6	T1	I	6.1 3 8		0	E0	P001		MP2	T14	TP2 TP13
1948	2,3-BUTANEDIONE	3	F1	II	3		1 L	E2	P001		MP19	T7	TP1
1949	SODIUM BORON HYDRIDE	4.3	W	I	4.3		0	E0	P403		MP2	T14	TP2 TP7
1950	AEROSOLS, flammable	2	5F		2.1	63 190 277 327 344 625	1 L	E0	P207 LP200		MP9		
1951	ARGON, REFRIGERATED LIQUID	2	3A		2.2		0	E0	P203		MP9	T75	TP5
1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	2	2A		2.2		0	E0	P200		MP9		
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2	1TF		2.3 2.1		0	E0	P200		MP9		
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	1F		2.1		0	E0	P200		MP9		
1955	COMPRESSED GAS, TOXIC, N.O.S.	2	1T		2.3		0	E0	P200		MP9		
1956	COMPRESSED GAS, N.O.S.	2	1A		2.2		0	E0	P200		MP9		
1957	DEUTERIUM, COMPRESSED	2	1F		2.1		0	E0	P200		MP9		
1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (GAS REFRIGERANT R 114)	2	2A		2.2		0	E0	P200		MP9		
1959	1,1-DIFLUOROETHYLENE (GAS REFRIGERANT R 1132a)	2	2F		2.1		0	E0	P200		MP9		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	METHYL MERCAPTAN
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	PHOSGENE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packaging provisions	Mixed packaging provisions	Portable tank instructions	Special provisions
	3.1.2	2.2	2.2	2.1.0.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.A.3	4.2.5.3
1001	ACETYLENE, DISSOLVED	2.1	1F		2.1		0	E0	P200		MP9	T1	TP1 TP8
1002	AIR, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1003	AIR, LIQUID REFRIGERATED	2.2	3A		2.2 5.1		0	E0	P203		MP9	T75	TP5
1005	AMMONIA, ANHYDROUS	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1006	ARGON, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1008	BORON TRIFLUORIDE	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1010	BUTADIENES, STABILIZED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1011	BUTANE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1012	BUTYLENE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1013	CARBON DIOXIDE	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1016	CARBON MONOXIDE, COMPRESSED	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1017	CHLORINE	2.3	2TC		2.3 5.1 8		0	E0	P200		MP9	T50	TP1
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1020	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1023	COAL GAS, COMPRESSED	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1026	CYANOGEN	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1027	CYCLOPROPANE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1029	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1032	DIMETHYLAMINE, ANHYDROUS	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1033	DIMETHYL ETHER	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1035	ETHANE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1036	ETHYLAMINE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1037	ETHYL CHLORIDE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1038	ETHYLENE, REFRIGERATED LIQUID	2.1	3F		2.1		0	E0	P203		MP9	T75	TP5
1039	ETHYL METHYL ETHER	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2.2	3A		2.2		120	E1	P203		MP9	T75	TP5
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1045	FLUORINE, COMPRESSED	2.3	1TC		2.3 5.1 8		0	E0	P200		MP9	T50	TP1
1046	HELIUM, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1048	HYDROGEN BROMIDE, ANHYDROUS	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1049	HYDROGEN, COMPRESSED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1051	HYDROGEN CYANIDE, STABILIZED (absorbed)	6.1	2TC		6.1		0	E0	P200		MP9	T50	TP1
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	2TC		8		0	E0	P200		MP9	T50	TP1
1053	HYDROGEN SULPHIDE	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1055	ISOBUTYLENE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1056	KRYPTON, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1057	LIGHTERS or LIGHTER REFILLS containing flammable gas	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1058	LIQUEFIED GASES, NON-FLAMMABLE, CHARGED WITH NITROGEN, CARBON DIOXIDE OR AIR	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1060	METHYLACETYLENE AND PROPADIENE MIXTURES, STABILIZED such as mixture P1 or mixture P2	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1061	METHYLAMINE, ANHYDROUS	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1062	METHYL BROMIDE with not more than 2% chloropicrin	2.3	1TC		2.3		0	E0	P200		MP9	T50	TP1
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1064	METHYL MERCAPTAN	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1065	NEON, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1066	NITROGEN, COMPRESSED	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	2TOC		2.3 5.1 8		0	E0	P200		MP9	T50	TP1
1069	NITROSYL CHLORIDE	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1070	NITROUS OXIDE	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1071	OIL GAS, COMPRESSED	2.3	1TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1072	OXYGEN, COMPRESSED	2.2	1O		2.2 5.1		120	E1	P200		MP9	T50	TP1
1073	OXYGEN, REFRIGERATED LIQUID	2.2	3O		2.2 5.1		120	E1	P203		MP9	T75	TP5
1075	PETROLEUM GASES, LIQUEFIED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1076	PHOSGENE	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1077	PROPYLENE	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1078	REFRIGERANT GAS, N.O.S. such as mixture F1, mixture F2 or mixture F3	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1079	SULPHUR DIOXIDE	2.3	2TC		2.3 8		0	E0	P200		MP9	T50	TP1
1080	SULPHUR HEXAFLUORIDE	2.2	1A		2.2		120	E1	P200		MP9	T50	TP1
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED	2.3	2TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
1083	TRIMETHYLAMINE, ANHYDROUS	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1085	VINYL BROMIDE, STABILIZED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1086	VINYL CHLORIDE, STABILIZED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1087	VINYL METHYL ETHER, STABILIZED	2.1	1F		2.1		0	E0	P200		MP9	T50	TP1
1088	ACETAL	3	1D	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1089	ACETALDEHYDE	3	1F	I	3		0	E0	P001		MP9 MP19	T7	TP2 TP7
1090	ACETONE	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1091	ACETONE OILS	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1092	ACROLEIN, STABILIZED	6.1	1TF	I	6.1 3	354	0	E0	P602		MP9 MP17	T22	TP2 TP7 TP13
1093	ACRYLONITRILE, STABILIZED	3	1FT	II	3 6.1		1 L	E2	P001		MP19	T4	TP1
1098	ALLYL ALCOHOL	6.1	1FT	I	6.1 3	354	0	E0	P602		MP9 MP17	T20	TP2 TP13
1099	ALLYL BROMIDE	3	1FT	II	3 6.1		1 L	E2	P001 IBC02		MP19	T4	TP1
1100	ALLYL CHLORIDE	3	1FT	II	3 6.1		1 L	E2	P001 IBC02		MP19	T4	TP1
1104	AMYL ACETATES	3	1E	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1105	PENTANOLS	3	1E	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1106	AMYLAMINE	3	1EC	III	3 8		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1107	AMYL CHLORIDE	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1108	1-PENTENE (n-AMYLENE)	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1109	AMYL FORMATES	3	1E	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1110	n-AMYL METHYL KETONE	3	1E	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1111	AMYL MERCAPTAN	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1112	AMYL NITRATE	3	1E	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1113	AMYL NITRITE	3	1D	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
1114	BENZENE	3	1F	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	239	1086	VINYL CHLORIDE, STABILIZED
PxBN(M)	TA4 TT9	FL	2 (B/D)			CV9 CV10 CV36	S2 S20	239	1087	VINYL METHYL ETHER, STABILIZED
LGBF		FL	2 (D/E)				S2 S20	33	1088	ACETAL
L4BN	TU8	FL	1 (D/E)				S2 S20	33	1089	ACETALDEHYDE
LGBF		FL	2 (D/E)				S2 S20	33	1090	ACETONE
LGBF		FL	2 (D/E)				S2 S20	33	1091	ACETONE OILS
L15CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	663	1092	ACROLEIN, STABILIZED
L4BH	TU14 TU15 TE19	FL	1 (C/E)			CV13 CV28	S2 S22	336	1093	ACRYLONITRILE, STABILIZED
L10CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	663	1098	ALLYL ALCOHOL
L10CH	TU14 TU15 TE21	FL	1 (D/E)			CV13 CV28	S2 S22	336	1099	ALLYL BROMIDE
L10CH	TU14 TU15 TE21	FL	1 (D/E)			CV13 CV28	S2 S22	336	1100	ALLYL CHLORIDE
LGBF		FL	3 (D/E)	V12			S2	30	1104	AMYL ACETATES
LGBF		FL	2 (D/E)				S2 S20	33	1105	PENTANOLS
LGBF		FL	3 (D/E)	V12			S2	30	1105	PENTANOLS
L4BH		FL	2 (D/E)				S2 S20	338	1106	AMYLAMINE
L4BN		FL	3 (D/E)	V12			S2	38	1106	AMYLAMINE
LGBF		FL	2 (D/E)				S2 S20	33	1107	AMYL CHLORIDE
L4BN		FL	1 (D/E)				S2 S20	33	1108	1-PENTENE (n-AMYLENE)
LGBF		FL	3 (D/E)	V12			S2	30	1109	AMYL FORMATES
LGBF		FL	3 (D/E)	V12			S2	30	1110	n-AMYL METHYL KETONE
LGBF		FL	2 (D/E)				S2 S20	33	1111	AMYL MERCAPTAN
LGBF		FL	3 (D/E)	V12			S2	30	1112	AMYL NITRATE
LGBF		FL	2 (D/E)				S2 S20	33	1113	AMYL NITRITE
LGBF		FL	2 (D/E)				S2 S20	33	1114	BENZENE

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Tank instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1.2	[illegible]	1	1.1	II			1	1.1	P002 IBC01 R001		MP19	T4	TP1 TP28
2	[illegible]	1	1.1	III	1		1.1	1	P099 IBC03 LP01 R001		MP19	T1	TP1
1.23	[illegible]	1	1.1	II	1		1	1.2	P001 IBC01 R001		MP19	T4	TP1
1.23	[illegible]	1	1.1	III	1		1.1	1	P001 IBC03 LP01 R001		MP19	T1	TP1
1.23	[illegible]	1	1.1	I	1 1.5		1	1.2	P001 IBC02		MP19	T1	TP1
1.23	[illegible]	1	1.1	I	1		1	1.2	P001 IBC01 R001		MP19	T4	TP1
1.23	[illegible]	1	1.1	I	1		1	1.1	P001 IBC02 R001		MP19	T1	TP1
1135	[illegible]	1	1.1	I	1		1	1.2	P001 IBC01 R001		MP19	T1	TP1
1.23	[illegible]	1	1.1	I	1		1	1.2	P001 IBC01 R001		MP19	T4	TP1
1.23	[illegible]	1	1.1	II	1		1.1	1.1	P001 IBC03 LP01 R001		MP19	T2	TP1
1.23	[illegible]	1	1.1	I	1 1.5		1	1.1	P001	PP31	MP19 MP17	T1	TP2 TP7 TP13 TP28 TP37
1.23	[illegible]	1	1.1				1 [illegible]	1.1	P001		MP19 MP17	T1	
1.23	[illegible]	1	FI		1	1.1.1	1	1.2	P001	PP1	MP19	T4	TP1 TP28
1.23	[illegible]	1	3.1	II	1	1.1.1 [illegible]	1	1.1	P001 IBC02 R001	PP1	MP19	T7	TP1
1.23	[illegible]	1	-	II	1	1.1.1 [illegible]	1	1.1	P001 IBC02 LP01 R001	PP1	MP19	T7	TP1
1.23	[illegible]	1	3	II	1	1.1.1 [illegible]	1	1.1	P001 LP01 R001	PP1	MP19	T7	TP1
1.23	[illegible]	1	3.1	III	1	1.1.1 [illegible]	1	1.1	P001 LP01 R001	PP1	MP19	T7	TP1
1.23	[illegible]	1	1.1	I	1	1.1.1 [illegible]	1	1.1	P001 IBC02 LP01 R001	PP1	MP19	T7	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.2	6.7.5, 6.7.4	9.1.1.2	1.1.3.6 (3.5)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3	5.2.1.9	5.2.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
L4BH		1	2 (E)				S2 S20	S5	1203	PETROL
L4DH		1	2 (E)				S1	S6	1202	DIESEL
L4DH		1	2 (E)				S2 S20	S6	1202	DIESEL or HEATING OIL
L4DH		1	2 (E)	V12			S2	S5	1223	KEROSENE or TURBO
L4BH		1	2 (E)				S1 S5	S6	1203	GASOLINE
L4DH		1	2 (E)				S2 S20	S5	1202	DIESEL or HEATING OIL
L4DH		1	2 (E)				S2 S20	S5	1202	DIESEL or HEATING OIL
L4BH		1	2 (E)				S1 S20	S5	1203	GASOLINE
L4DH		1	2 (E)				S2 S20	S5	1202	DIESEL or HEATING OIL
L4BH		1	2 (E)	V12			S2	S5	1203	GASOLINE
L4BH	L4 L4 TP 1 TP 4	1	2 (E)			CV 1 CV 2	S1 S2	S5	1203	GASOLINE with more than 10 % ethanol
L4BN		1	2 (E)				S1 S20	S5	1203	ADR tank carrying flammable liquid
L4BN		1	2 (E)				S2 S20	S5	1202	ADR tank carrying flammable liquid, not for passenger transport
L4BH		1	2 (E)				S2 S20	S5	1202	ADR tank carrying flammable liquid, not for passenger transport
L4BH		1	2 (E)	V12			S2	S5	1223	ADR tank carrying flammable liquid
L4DN		1	2 (E)				S1	S5	1202	ADR tank carrying flammable liquid, not for passenger transport, not for EX/II
L4BN		1	2 (E)				S1	S5	1203	ADR tank carrying flammable liquid, not for passenger transport, not for EX/II
L4DH		1	2 (E)				S2	S5	1202	ADR tank carrying flammable liquid, not for passenger transport, not for EX/II

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging		Mixed packing provisions	Portable tanks and bulk containers	
									Packaging instructions	Special packaging provisions		Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1795	NITRIC ACID, other than fuming, with more than 70 % pure nitric acid	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1796	NITRATING ACID MIXTURES with more than 50 % nitric acid	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1797	NITRATING ACID MIXTURES with not more than 50 % nitric acid	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1798	NITROHYDROCHLORIC ACID	8		I			0	0	P001		MP15	T14	TP2 TP12
1799	NONANOIC ACID	8		III			5 L	5 kg	P001 IBC03 LP01 R001		MP19	T4	TP1
1800	OCTADECYLTRICHLOROSILANE	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1801	OCTYLTRICHLOROSILANE	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1802	PERCHLORIC ACID with not more than 50 % acid, by mass	8	(5)	II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1803	PHENOLSULPHONIC ACID, LIQUID	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1804	PHOSPHORIC ACID, SOLID	8		III			5 kg	5 kg	P002 IBC08 LP02 R001		MP19	T4	TP1
1805	PHOSPHORIC ACID, SOLUTION	8		III			5 L	5 kg	P001 IBC03 LP01 R001		MP19	T4	TP1
1806	PHOSPHORUS PENTACHLORIDE	8		II			1 kg	1 kg	P002 IBC08 R001		MP15	T7	TP2
1807	PHOSPHORUS PENTOXIDE	8		II			1 kg	1 kg	P002 IBC08 R001		MP15	T7	TP2
1808	PHOSPHORUS TRIBROMIDE	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2
1809	PHOSPHORUS TRICHLORIDE	8		II			1 L	1 kg	P001 IBC02 R001		MP15	T7	TP2

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.1	4.3.5, 6.8.4	9.1.1.2	7.8.1.6 (8.6)	7.2.4	7.3.1	7.5.11	8.5	5.3.1.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.1	3.1.1.2	5.2.2	3.3	3.5.1	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1001	ACETYLENE, DISSOLVED	2	1F				0	0	P200				
1002	AIR, COMPRESSED	2	1A				120 ml	120 ml	P200				
1003	AIR, REFRIGERATED LIQUID	2	1A				120 ml	120 ml	P203				
1004	AMMONIA, ANHYDROUS	2	2TC				0	0	P200			T50	TP19
1005	AMMONIA, ANHYDROUS	2	2TC				0	0	P200			T50	TP19
1006	ARGON, COMPRESSED	2	1A				120 ml	120 ml	P200			T50	TP19
1007	BORON TRIFLUORIDE, COMPRESSED	2	1TC				0	0	P200			T50	TP19
1008	BORON TRIFLUORIDE, COMPRESSED	2	1TC				0	0	P200			T50	TP19
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2	2A				120 ml	120 ml	P200			T50	TP19
1010	BUTADIENES, STABILIZED	2	2F				0	0	P200			T50	TP19
1011	BUTANE	2	2F				0	0	P200			T50	TP19
1012	BUTYLENE	2	2F				0	0	P200			T50	TP19
1013	CARBON DIOXIDE	2	2A				120 ml	120 ml	P200			T50	TP19
1014	CARBON DIOXIDE AND OXYGEN MIXTURE	2	2A				120 ml	120 ml	P200			T50	TP19
1015	CARBON DIOXIDE AND NITROUS OXIDE MIXTURE	2	2A				120 ml	120 ml	P200			T50	TP19
1016	CARBON MONOXIDE, COMPRESSED	2	1TF				0	0	P200			T50	TP19
1017	CHLORINE	2	2TC				0	0	P200			T50	TP19
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2	2A				120 ml	120 ml	P200			T50	TP19
1019	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	2	2A				120 ml	120 ml	P200			T50	TP19
1020	CHLOROTRIFLUOROETHYLENE, STABILIZED (REFRIGERANT GAS R 1113)	2	2TF				0	0	P200			T50	TP19
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2	2A				120 ml	120 ml	P200			T50	TP19
1022	CHLOROTRIFLUOROMETHANE AND TRIFLUOROETHANE AZEOTROPIC MIXTURE (REFRIGERANT GAS R 503)	2	2A				120 ml	120 ml	P200			T50	TP19
1023	COAL GAS, COMPRESSED	2	1TF				0	0	P200			T50	TP19
1024	CYCLOPROPANE	2	2F				0	0	P200			T50	TP19
1025	DIMETHYLAMINE, ANHYDROUS	2	2F				0	0	P200			T50	TP19
1026	DICHLOROTETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2	2A				120 ml	120 ml	P200			T50	TP19
1027	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2	2A				120 ml	120 ml	P200			T50	TP19
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2	2A				120 ml	120 ml	P200			T50	TP19
1029	DICHLOROFLUOROMETHANE	2	2A				120 ml	120 ml	P200			T50	TP19
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2	2F				0	0	P200			T50	TP19
1031	DIMETHYLETHER	2	2F				0	0	P200			T50	TP19
1032	DIMETHYLAMINE, ANHYDROUS	2	2F				0	0	P200			T50	TP19
1033	DIMETHYLETHER	2	2F				0	0	P200			T50	TP19
1034	ETHYLAMINE	2	2F				0	0	P200			T50	TP19
1035	ETHANE, COMPRESSED	2	1F				0	0	P200			T50	TP19
1036	ETHYLAMINE	2	2F				0	0	P200			T50	TP19
1037	ETHYL CHLORIDE	2	2F				0	0	P200			T50	TP19
1038	ETHYLENE, REFRIGERATED LIQUID	2	3F				0	0	P203			T50	TP19
1039	METHYL ETHER	2	2F				0	0	P200			T50	TP19
1040	ETHYLENE OXIDE WITH NITROGEN UP TO A TOTAL PRESSURE OF 1 MPa (10 bar) AT 50 °C	2	2TF				0	0	P200			T50	TP19
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE WITH MORE THAN 9% BUT NOT MORE THAN 87% ETHYLENE OXIDE	2	2TF				0	0	P200			T50	TP19

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L1.5BN		FL	3 (D/E)				S2	33	1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa)
L10CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	663	1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED
L4BN		FL	1 (D/E)				S2 S20	339	1144	CROTONYLENE
LGBF		FL	2 (D/E)				S2 S20	33	1145	CYCLOHEXANE
LGBF		FL	2 (D/E)				S2 S20	33	1146	CYCLOPENTANE
LGBF		FL	3 (D/E)	V12			S2	30	1147	DECAHYDRONAPHTHALENE
LGBF		FL	2 (D/E)				S2 S20	33	1148	DIACETONE ALCOHOL
LGBF		FL	3 (D/E)	V12			S2	30	1148	DIACETONE ALCOHOL
LGBF		FL	3 (D/E)	V12			S2	30	1149	DIBUTYL ETHERS
LGBF		FL	2 (D/E)				S2 S20	33	1150	1,2-DICHLOROETHYLENE
LGBF		FL	3 (D/E)	V12			S2	30	1152	DICHLOROPENTANES
LGBF		FL	2 (D/E)				S2 S20	33	1153	ETHYLENE GLYCOL DIETHYL ETHER
LGBF		FL	3 (D/E)	V12			S2	30	1153	ETHYLENE GLYCOL DIETHYL ETHER
L4BH		FL	2 (D/E)				S2 S20	338	1154	DIETHYLAMINE
L4BN		FL	1 (D/E)				S2 S20	33	1155	DIETHYL ETHER (ETHYL ETHER)
LGBF		FL	2 (D/E)				S2 S20	33	1156	DIETHYL KETONE
LGBF		FL	3 (D/E)	V12			S2	30	1157	DIISOBUTYL KETONE
L4BH		FL	2 (D/E)				S2 S20	338	1158	DIISOPROPYLAMINE
LGBF		FL	2 (D/E)				S2 S20	33	1159	DIISOPROPYL ETHER
L4BH		FL	2 (D/E)				S2 S20	338	1160	DIMETHYLAMINE AQUEOUS SOLUTION
LGBF		FL	2 (D/E)				S2 S20	33	1161	DIMETHYL CARBONATE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	2.1.2	2.2	2.2	2.1.1.3	5.2.2	3.1	3.4	3.5 1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 6.2.2	4.2.5.3
1051	2,1 HYDROGEN CYANIDE, STABILIZED	6.1 + 3	2.0	1.4 P	6.1 + 3 + 8	0	2.0	1.4	P.0	1.4	MP19	T14	TP2 TP7 TP13 TP28
1052	HYDROGEN FLUORIDE, ANHYDROUS	8 + 6.1	1.1	1	8 + 6.1	3.1	0	1.1	P.0.5		MP15 MP17	T20	TP3 TP13 TP28
1053	HYDROGEN SULPHIDE	2.3 + 2.1	1.1	1.	+		1.1	1.2	P.0.1 P.0.2	1.4	MP19	T7	TP9
1065	NITROGEN	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1066	NITROGEN	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3 + 5.1 + 8	1.1	1.1	2.3 + 5.1 + 8		0	1.1	P.0.1		MP2 MP19	T1	TP9
1069	NITROSYL CHLORIDE	2.3 + 8	1.1	1.1	2.3 + 8		0	1.1	P.0.1		MP19	T7	TP9
1070	NITROUS OXIDE	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1071	OIL GAS	2.3 + 2.1	1.1	1.1	2.3 + 2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1072	OXYGEN COMPRESSED	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1073	OXYGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1075	PETROLEUM GASES, LIQUEFIED	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1076	PHOSGENE	2.3 + 8	1.1	1.1	2.3 + 8		0	1.1	P.0.1		MP2 MP19	T1	TP9
1077	PROPYLENE	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1078	REFRIGERANT GAS, N.O.S.	2.2	2.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1079	SULPHUR DIOXIDE	2.3 + 8	1.1	1.1	2.3 + 8		0	1.1	P.0.1		MP2 MP19	T1	TP9
1080	SULPHUR HEXAFLUORIDE	2.2	1.1	1.1	2.2		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED	2.3 + 2.1	1.1	1.1	2.3 + 2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1083	TRIMETHYLAMINE, ANHYDROUS	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1085	VINYL BROMIDE, STABILIZED	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1
1086	VINYL CHLORIDE, STABILIZED	2.1	2.1	1.1	2.1		1.1	1.2	P.0.1 P.0.2 R.0.1		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH		FL	2 (D/E)				S2 S20	338	1162	DIMETHYLDICHLOROSILANE
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S4 S14	663	1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL
L1.5BN		FL	2 (D/E)				S2 S20	33	1164	DIMETHYL SULPHIDE
LGBF		FL	2 (D/E)				S2 S20	33	1165	DIOXANE
LGBF		FL	2 (D/E)				S2 S20	33	1166	DIOXOLANE
L4BN		FL	1 (D/E)				S2 S20	339	1167	DIVINYL ETHER, STABILIZED
L1.5BN		FL	2 (D/E)				S2 S20	33	1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	3 (D/E)	V12			S2	33	1169	EXTRACTS, AROMATIC, LIQUID
L4BN		FL	3 (D/E)				S2	30	1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point or initial boiling point not more than 35 °C)
L1.5BN		FL	3 (D/E)				S2	30	1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point or initial boiling point of more than 35 °C)
LGBF		FL	3 (D/E)				S2	30	1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
LGBF		FL	3 (D/E)	V12			S2	30	1170	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
LGBF		FL	3 (D/E)	V12			S2	30	1171	ETHYLENE GLYCOL MONOETHYL ETHER
LGBF		FL	3 (D/E)	V12			S2	30	1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE
LGBF		FL	2 (D/E)				S2 S20	33	1173	ETHYL ACETATE
LGBF		FL	2 (D/E)				S2 S20	33	1175	ETHYLBENZENE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exceptional quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions		Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2.6 7.3.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
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ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1197	EXTRACTS, FLAVOURING, LIQUID [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1197	EXTRACTS, FLAVOURING, LIQUID [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1197	EXTRACTS, FLAVOURING, LIQUID [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1199	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1201	FUSEL OIL	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1201	FUSEL OIL	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT [illegible]	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1202	DIESEL FUEL complying with standard EN 590:2004 or GAS OIL or HEATING OIL, LIGHT [illegible] EN 590:2004	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1203	MOTOR SPIRIT or GASOLINE or PETROL	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1204	NITROGLYCERIN SOLUTION IN ALCOHOL [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
1206	HEPTANES	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1207	HEXALDEHYDE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1208	HEXANES	[illegible]		II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for tank carriage	Transport category - Tunnel restriction code	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5.0.6.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.2	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
LGBF		FL	2 (D/E)				S2	33	1197	EXTRACTS, FLAVOURING, LIQUID (including flavoring essence, essence extract, flavoring extract, fluid extract, tincture and similar products in liquid form)
LGBV		FL	2 (D/E)				S2	33	1197	EXTRACTS, FLAVOURING, LIQUID (including flavoring essence, essence extract, flavoring extract, fluid extract, tincture and similar products in liquid form)
LGBF		FL	2 (D/E)				S2	33	1197	EXTRACTS, FLAVOURING, LIQUID (including flavoring essence, essence extract, flavoring extract, fluid extract, tincture and similar products in liquid form)
LGBV		FL	2 (D/E)				S2	33	1197	EXTRACTS, FLAVOURING, LIQUID (including flavoring essence, essence extract, flavoring extract, fluid extract, tincture and similar products in liquid form)
LGBF		FL	2 (D/E)	V12			S2	30	1198	FORMALDEHYDE SOLUTION, FLAMMABLE
LGBV	FL, TE, TU	FL	2 (D/E)			CV13 CV28	S2 S4 S20	33	1198	FORMALDEHYDE SOLUTION
LGBF		FL	2 (D/E)				S2 S20	33	1201	FUSEL OIL
LGBV		FL	2 (D/E)	V12			S2	30	1201	FUSEL OIL
LGBF		FL	2 (D/E)	V12			S2	30	1202	GAS OIL or DIESEL OIL or HEATING OIL, LIGHT (Residue from distillation of crude oil)
LGBV		AT	2 (D/E)	V12			S2	30	1202	DIESEL FUEL, conformity with standard EN 590 Notation of GAS OIL or HEATING OIL, LIGHT with flashpoint as specified in EN 590:2004
LGBV		AT	2 (D/E)	V12				30	1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT (Residue from distillation of crude oil)
LGBF	FL, TE	FL	2 (D/E)				S2 S20	33	1203	MOTOR SPIRIT or GASOLINE or PETROL
			2 (B)				S2 S4		1204	NITROGLYCERIN SOLUTION IN ALCOHOL (Solution with more than 1% nitroglycerin)
LGBF		FL	2 (D/E)				S2 S20	33	1206	HEPTANES
LGBF		FL	2 (D/E)	V12			S2	30	1207	HEXALDEHYDE
LGBF		FL	2 (D/E)				S2 S20	33	1208	HEXANES
LGBF		FL	2 (D/E)				S2 S20	33	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packaging provisions	Mixed packaging provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 4.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2[illegible]	PRINTING INK, flammable or PRINTING INK, FLAMMABLE or PRINTING INK RELATED MATERIAL, including printing ink thinning or reducing compound, [illegible]	3	3	II	3	[illegible] 309	5 L	1 L	P001	PP1	MP19	T4	TP1 TP8
1230	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (ink manufacturing, including [illegible]	3	3	II	3	[illegible] 309	5 L	1 L	P001 IBC02 R001	PP1	MP19	T4	TP1 TP8
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, including printing ink thinning or reducing compound, [illegible]	3	3	II	3	[illegible] 309	5 L	1 L	P001 IBC02 R001	PP1	MP19	T4	TP1
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, including printing ink thinning or reducing compound, [illegible]	3	3	III	3	[illegible] 309	5 L	1 L	P001 IBC03 LP01 R001	PP1	MP19	T4	TP1
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, including printing ink thinning or reducing compound, [illegible]	3	3	III	3	[illegible] 309	5 L	1 L	P001 IBC03 LP01 R001	PP1	MP19	T4	TP1
[illegible]	[illegible]	3	3	II	3		5 L	1 L	P001 IBC02 LP01 R001		MP19	T4	TP1
1[illegible]	[illegible]	3	3	II	3		5 L	0	P001 IBC02 R001		MP19	T4	TP1
1[illegible]	[illegible]	3	3	III	3		5 L	1 L	P001 LP01 R001		MP19	T4	TP1
1[illegible]	[illegible]	3	3	III	3		5 L	0	P001 LP01 R001		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.3.5.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L1.5BN		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L1.5BH		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L10BH		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L15BN		FL	2 (D/E)				S2	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L15BN		FL	2 (D/E)				S2	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L15BH		FL	2 (D/E)				S2	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L15BP		FL	2 (D/E)				S2	W	1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL, flammable
L4BH		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable
L4BP		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable
L4BH		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable
L4BN		FL	2 (D/E)				S2 S20	W	1210	PRINTING INK, flammable

UN No.	Name and description	Class	Classification code	Packing group	Label	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.0.0	5.1.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 3.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3	11	II	3	100	1	1.2	P001 IBC02 R001		MP19	14	1.1
1220	ISOPROPYL ACETATE	3	11	II	3		1		P001 IBC02 R001		MP19	11	1.1
1221	ISOPROPYLAMINE	3	12	I	3 +8		0	1	P001		MP7 MP12	1.1	1.2
1222	ISOPROPYL NITRATE	3	11	II	3		1	1.2	P001 IBC02 R001	1	MP19		
1223	KEROSENE	3	11	III	3	50	5	1	P001 IBC03 LP01 R001		MP19	1	1
1224	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	11	II	3	274 +100	1	1.2	P001		MP19	17	1.1 1.8 1.25
1225	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	11	II	3	274 +100	1	1.2	P001 IBC02 R001		MP19	17	1.1 1.8 1.25
1226	KETONES, LIQUID, N.O.S.	3	12	III	3	274	5	1	P001 IBC03 LP01 R001		MP19	11	1.1 1.25
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	111	II	3 +6.1	24	1	1.2	P001 IBC02		MP19	111	1 1.25
1229	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	111	II	3 +6.1	274	5	1	P001 IBC03 R001		MP19	17	1.1 1.25
1230	METHYL ALCOHOL	3	11	II	3		5	1	P001 IBC03 LP01 R001		MP19	11	1.1
1231	METHYL ACETATE	3	11	I	3 +6.1	23	1	1.2	P001 IBC02		MP19	17	1.2
1232	METHYL AMYL ACETATE	3	11	I	3		1	1.2	P001 IBC02 R001		MP19	14	1.1
1233	METHYLAMYL ACETATE	3	1	III	3		5	1.1	P001 IBC03 LP01 R001		MP19	12	1.1
1234	METHYLAL	3		II	3		1	1.2	P001 IBC02	1.8	MP19	12	1.1
1235	METHYLAMINE, AQUEOUS SOLUTION	3	12	II	3 +8		1	1	P001 IBC02		MP19	2	1.1
1237	METHYL BUTYRATE	3	1	II	3		1	1.2	P001 IBC02 R001		MP19	14	1.1
1238	METHYL CHLOROFORMATE	6	11	I	3 +8 +8	25	1	1.1	P001		MP8 MP17	1	1.2 1.25
1239	METHYL CHLOROMETHYL ETHER	6	11	I	3 +8	25	0	1.1	P002		MP8 MP17	122	1.2 1.25
1242	METHYLDICHLOROSILANE	1.3	100	I	4.3 +3 +8		0	1	P001	1.8	MP2	14	1.2 1.7
1243	METHYL FORMATE	3	11		3		0	1.1	P001		MP19 MP17	1	1.2
1244	METHYL HYDRAZINE	6.1	101		6.1 +3 +8	151	0	1.1	P002		MP8 MP17	127	1.2 1.25

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	6.10, 6.11	9.1.1.2	1.1.3.6 (E/6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		5.4.1
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packaging instructions	Packaging: Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	3.1	3.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 6.9.2	4.2.5.3
(1a)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1248	METYLOPROPIONIAN METYLU	3	I	I	3		1	1 L	P001 IBC01		MP19	T4	TP1
1249	METYLOTRICHLOROSILAN	3	I	I	3 + 8		1	1 L	P010 IBC02		MP19	T4	TP1
1250	METYLOTRICHLOROSILAN	3	I	II	3 + 8		1	1 L	P001 IBC02		MP19	T7	TP2
1251	METOKSYOCTAN METYLU	3	III	III	3		5 L	5 L	P001 IBC03	LP01	MP19	T2	TP1
1252	METYLOWY ESTER KWASU 2-HYDROKSYPROPANOWEGO	3	III	III	3		5 L	5 L	P001 IBC03	LP01	MP19	T2	TP1
1253	COPOLIMER CHLORKU WINYLIDENU I CHLORKU WINYLU	9	III	III			5 kg	5 kg	P002 IBC08	PP12	MP19	T1	TP33
1254	MIESZANINA KATALIZATORA MIEDZIOWEGO, LOTNA	3	II	II	3		1 L	1 L	P001 IBC02		MP19	T4	TP1
1255	NITROETAN	3	II	II	3		1 L	1 L	P001 IBC02		MP19	T4	TP1
1256	NITROMETAN	3	II	II	3		1 L	1 L	P001 IBC02		MP19	T4	TP1
1257	OCTAN WINYLU, STABILIZOWANY	3	II	II	3		1 L	1 L	P001 IBC02		MP19	T4	TP1
1258	PARALDEHYD	3	III	III			5 L	5 L	P001 IBC03		MP19	T2	TP1
1259	NIKIEL W POSTACI PROSZKU, SPIEKU LUB GRANULATU	4.2	I	I	4.2		0	0	P404		MP24		
1260	ALKOHOL METYLOWY	3	II	II	3		1 L	1 L	P001 IBC02		MP19		
1261	NAFTA	3	II	III	3		5 L	5 L	P001 IBC03 LP01 R001		MP19	T2	TP1
1262	OCTAN METYLU	3	II	II	3		1 L	1 L	P001 IBC02		MP19	T4	TP1
1263	FARBA drukarska, ciekła, zawierająca substancje palne, pakowana grupa III, z wyjątkiem farb wymienionych pod innymi numerami UN	3	III	III	3	163 367 601	5 L	5 L	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1 TP29
1263	FARBA drukarska, ciekła, zawierająca substancje palne, pakowana grupa II, z wyjątkiem farb wymienionych pod innymi numerami UN	3	II	II	3	163 367 601	1 L	1 L	P001 IBC02 R001	PP1	MP19	T4	TP1 TP29
1263	FARBA drukarska, ciekła, zawierająca substancje palne, pakowana grupa I, z wyjątkiem farb wymienionych pod innymi numerami UN	3	I	I	3	163 367 601	1 L	1 L	P001 R001	PP1	MP19	T4	TP1 TP29
1264	PALIWO LOTNICZE	3	II	II	3	367	1 L	1 L	P001 IBC02 R001	PP1	MP19	T4	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
LGBF		FL	2 (D/E)				S2 S20	33	1245	METHYL ISOBUTYL KETONE
LGBF		FL	2 (D/E)				S2 S20	339	1246	METHYL ISOPROPENYL KETONE, STABILIZED
LGBF		FL	2 (D/E)				S2 S20	339	1247	METHYL METHACRYLATE MONOMER, STABILIZED
LGBF		FL	2 (D/E)				S2 S20	33	1248	METHYL PROPIONATE
LGBF		FL	2 (D/E)				S2 S20	33	1249	METHYL PROPYL KETONE
L4BH		FL	2 (D/E)				S2 S20	X338	1250	METHYLTRICHLOROSILANE
L15CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S4 S9 S14	639	1251	METHYL VINYL KETONE, STABILIZED
L15CH	TU14 TU15 TU31 TE19 TE21 TM3	FL	1 (B/D)			CV1 CV13 CV28	S2 S9 S14	663	1259	NICKEL CARBONYL
			2 (E)				S2 S20		1261	NITROMETHANE
LGBF		FL	2 (D/E)				S2 S20	33	1262	OCTANES
L4BN		FL	1 (D/E)				S2 S20	33	1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
LGBF		FL	2 (D/E)				S2 S20	33	1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	3 (D/E)	V12			S2	30	1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) having a flash-point below 23 °C and viscous according to 2.2.3.1.4 (boiling point not more than 35 °C)	3	F1	I	3	163 [illegible] 650	[illegible]	E3	P001 IBC02 R001	PP1	MP17	T11	TP1 TP27
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) having a flash-point below 23 °C and viscous according to 2.2.3.1.4 (vapour pressure at 50 °C more than 110 kPa, boiling point more than 35 °C)	3	F1	II	3	163 640B 650	[illegible]	E2	P001 IBC02 R001	PP1	MP19	T4	TP1 TP8
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) having a flash-point below 23 °C and viscous according to 2.2.3.1.4 (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	163 640E 650	LQ7	E1	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1 TP29
1264	PARALDEHYDE	3	F1	III	3		LQ7	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1265	PENTANES, liquid	3	F1	I	3			E3	P001		MP7 MP17	T11	TP2
1265	PENTANES, liquid	3	F1	II	3		LQ4	E2	P001 IBC02	B8	MP19	T4	TP1
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	163 640C	LQ6	E2	P001		MP19	T4	TP1 TP8
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	163 640D	LQ6	E2	P001 IBC02 R001		MP19	T4	TP1 TP8
1266	PERFUMERY PRODUCTS with flammable solvents	3	F1	III	3	163 640E	LQ7	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1266	PERFUMERY PRODUCTS with flammable solvents (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point more than 35 °C)	3	F1	III	3	163 640E	LQ7	E1	P001 IBC02 R001		MP19	T2	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.1	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.1		3.1.2
(14)	(15)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(11)	(12)
[illegible]		11	1 (11)				[illegible]	[illegible]	[illegible]	PAINT [illegible]
[illegible]		[illegible]	1 (11)				[illegible]	[illegible]	[illegible]	PAINT [illegible]
[illegible]		[illegible]	1 (11)				[illegible]	[illegible]	[illegible]	PAINT [illegible]
[illegible]		[illegible]	1 (11)	[illegible]			[illegible]	[illegible]	[illegible]	PARALDEHYDE
[illegible]		[illegible]	1 (11)				[illegible]	[illegible]	[illegible]	PENTANES, liquid
[illegible]		[illegible]	2 (11)				[illegible]	[illegible]	[illegible]	PENTANES, liquid
[illegible]		[illegible]	2 (11)				[illegible]	[illegible]	[illegible]	PERFUMERY PRODUCTS [illegible]
[illegible]		[illegible]	2 (11)				[illegible]	[illegible]	[illegible]	PERFUMERY PRODUCTS [illegible]
[illegible]		[illegible]	1 (11)	[illegible]			[illegible]	[illegible]	[illegible]	PERFUMERY PRODUCTS [illegible]
[illegible]		[illegible]	1 (11)				[illegible]	[illegible]	[illegible]	PERFUMERY PRODUCTS [illegible]

[illegible] No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	[illegible]	2.2	2.2	2.0.1.3	5.2.2	3.3	3.4	3.5.8.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1266	PUMICE MIXTURE PRODUCTS with three [illegible]	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1267	PUMICE MIXTURE PRODUCTS with three [illegible]	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1268	PETROLEUM CRUDE OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1269	PETROLEUM CRUDE OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1270	PETROLEUM CRUDE OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1271	PETROLEUM CRUDE OIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1272	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1273	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1274	PINE OIL	[illegible]		III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1275	2-PROPANOL (PROPYL ALCOHOL, NORMAL)	[illegible]		II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1276	1-PROPANOL (PROPYL ALCOHOL, NORMAL)	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1277	PROPANAL DIETHYL	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1278	1-PROPYL ACETATE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1279	PROPYLAMINE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1280	1,2-DICHLOROPROPANE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1281	1,2-DICHLOROPROPANE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3	4 5 6	7 1 2	7 1 3 5 (8) (E)*	7 2 1	7 4 4	7 5 1 1	8 5	5 1 2 1		3 1 2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L 2 BN		11	2 (D)				S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BN		11	2 (D)				S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 15 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)	S 2			S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 15 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)	S 2			S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 15 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)	S 2			S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 15 BN		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)				S2 S20	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))
L 4 BH		11	2 (D)	S 2			S2	33	1294	TOLUENE (Benzol (Benzene) (Methylbenzol) (Phenylmethane) (Toluol))

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1280	PROPYLENE OXIDE	3	F1	I	3		LQ0	E3	P001		MP7 MP17	T11	TP2 TP7
1281	PROPYL FORMATES	3	F1	II	3		LQ4	E2	P001 IBC02 R001		MP19	T4	TP1
1282	PYRIDINE	3	F1	II	3		LQ4	E2	P001 IBC02 R001		MP19	T4	TP2
1286	ROSIN OIL (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	LQ4	E2	P001		MP19	T4	TP1
1286	ROSIN OIL (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	LQ4	E2	P001 IBC02 R001		MP19	T4	TP1
1286	ROSIN OIL	3	F1	III	3	640E	LQ7	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	LQ3	E1	P001 IBC02		MP19	T2	TP1
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point more than 35 °C)	3	F1	III	3	640G	LQ3	E1	P001 IBC02		MP19	T2	TP1
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	LQ3	E1	P001 IBC02 R001		MP19	T2	TP1
1287	RUBBER SOLUTION (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	LQ4	E2	P001		MP19	T4	TP1 TP8
1287	RUBBER SOLUTION (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	LQ4	E2	P001 IBC02 R001		MP19	T4	TP1 TP8
1287	RUBBER SOLUTION	3	F1	III	3	640E	LQ7	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	LQ3	E1	P001 IBC02		MP19	T2	TP1
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point more than 35 °C)	3	F1	III	3	640G	LQ3	E1	P001 IBC02 R001		MP19	T2	TP1
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	LQ3	E1	P001 IBC02 LP01 R001		MP19	T2	TP1
1288	SHALE OIL	3	F1	II	3		LQ4	E2	P001 IBC02 R001		MP19	T4	TP1 TP8

Tank code	Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Bulk	Loading, unloading and handling	Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5	9.1.1.2	1.1.3.6 (d)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Hazard identification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.5	3.4	3.5.1.2	4.1.4	4.1.4.3	4.1.10	4.2.5.2 6.7.2.7	4.2.5.3
1267	PETROLEUM CRUDE OIL	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	33	III	3		5 L	E1	P001 IBC03		MP19	T2	TP1
1269	PETROLEUM CRUDE OIL	3	33	III	3		5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1270	PETROLEUM DISTILLATES, N.O.S.	3	33	II	3	150	1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1271	PETROLEUM RECTIFIER SPIRITS	3	33	III	3	150	5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1272	PINE OIL	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1273	POLYESTER RESIN KIT, liquid base material in packagings of more than 450 L capacity each	3	33	II	3		1 L	E2	P001		MP19	T4	TP1
1274	n-PROPANOL	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1275	PROPIONALDEHYDE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1276	n-PROPYL ACETATE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1277	PROPYL CHLORIDE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1278	1-CHLOROPROPANE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1279	PROPYLENE OXIDE	3	33	I	3		0	E0	P001		MP19	T14	TP2 TP7
1280	PROPYLENE OXIDE AND ETHANOL MIXTURE with not more than 30% ethanol	3	33	I	3		0	E0	P001		MP19	T14	TP2 TP7
1281	PROPYL FORMATES	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1282	PYRIDINE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1283	PYROLIGNEOUS ACID, not containing more than 10% of acetic acid	3	33	III	3		5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1284	PYROLIGNEOUS ACID, containing more than 10% of acetic acid	8	83	II	3		1 L	E2	P001 IBC02		MP19	T7	TP2 TP8
1285	PYROXYLIN SOLUTION, flammable, with not more than 12.6% nitrogen by dry mass	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1286	ROSIN OIL	3	33	III	3		5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1287	RUBBER SOLUTION	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1288	SHALE OIL	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1289	SODIUM METHYLATE, SOLUTION in alcohol	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1289	SODIUM METHYLATE, SOLUTION in alcohol	3	33	III	3		5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1290	SOLVENT NAPHTHA (COAL TAR)	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1292	TETRAETHYL SILICATE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1293	TINCTURES, MEDICINAL	3	33	III	3		5 L	E1	P001 IBC03 LP01		MP19	T2	TP1
1294	TOLUENE	3	33	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1
1295	TRICHLOROSILANE	4.3	338	I	4.3 3 8		0	E0	P401	PP31	MP19	T14	TP2 TP7
1296	TRIETHYLAMINE	3	33	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	33	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, with not more than 50% trimethylamine, by mass	3	33	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1298	TRIMETHYLCHLOROSILANE	3	338	II	3 8		0	E0	P010		MP19	T10	TP2 TP7
1299	TURPENTINE	3	30	II	3		5 L	E1	P001 IBC02 LP01		MP19	T4	TP1
1300	TURPENTINE SUBSTITUTE	3	30	II	3		5 L	E1	P001 IBC02 LP01		MP19	T4	TP1
1301	VINYL ACETATE, STABILIZED	3	33	II	3		1 L	E2	P001 IBC02 LP01		MP19	T4	TP1
1302	VINYL ETHYL ETHER, STABILIZED	3	33	I	3		0	E0	P010		MP19 MP24	T7	TP2
1303	VINYLIDENE CHLORIDE, STABILIZED	3	33	I	3		0	E0	P010		MP19 MP24	T7	TP2 TP7
1304	VINYL, 2-METHYL-5-PYRIDINE, STABILIZED	3	33	II	3		1 L	E2	P001 IBC02 LP01		MP19	T4	TP1
1305	VINYLTRICHLOROSILANE	3	338	II	3 8		1 L	E2	P001		MP19	T10	TP2 TP7
1306	WOOD PRESERVATIVES, LIQUID (paper treated with, cloth treated with, fabric treated with)	3	3	II	3	150	1 L	E2	P001		MP19	T4	TP1 TP8

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.1	3.1.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.1.5	7.5.11	8.5	5.3.2.3.1		3.1.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]

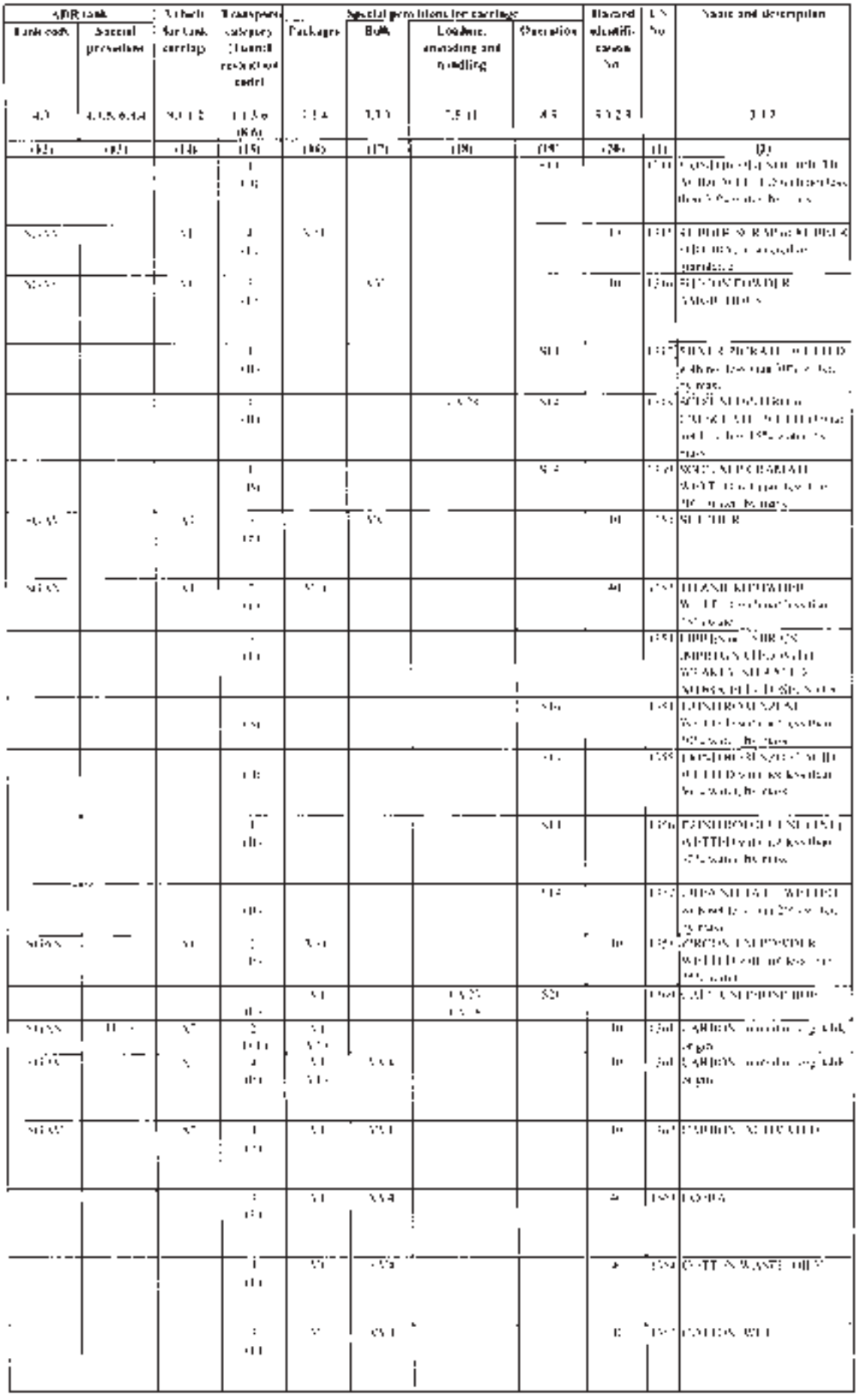
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	3, 6.1	279	1 L	2 L	P001 IBC02 R001		MP19	T4	TP1
1987	ALCOHOLS, N.O.S.	3	6.1	III	3	223, 274	5 L	5 L	P001 IBC03 R001		MP19	T2	TP1
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	3, 6.1	279	1 L	1 L	P001 IBC02 R001		MP19	T4	TP1
1989	ALDEHYDES, N.O.S.	3	6.1	III	3, 6.1	223, 274	5 L	5 L	P001 IBC03 R001		MP19	T2	TP1
1990	BENZALDEHYDE	9		III	9		5 L	5 L	P001 IBC03 LP01 R001		MP19	T1	TP1
1991	CHLOROPRENE, STABILIZED	3	6.1	I	3, 6.1		0	0	P001	PP13, PP14	MP19	T14	TP2 TP13
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	II	3, 6.1	274	1 L	1 L	P001 IBC02 R001	PP13, PP14	MP19	T4	TP1
1993	FLAMMABLE LIQUID, N.O.S.	3		II	3	223, 274	1 L	1 L	P001 IBC02 R001	PP13, PP14	MP19	T4	TP1
1993	FLAMMABLE LIQUID, N.O.S.	3		III	3	223, 274	5 L	5 L	P001 IBC03 R001	PP13, PP14	MP19	T2	TP1
1994	IRON PENTACARBONYL	6.1		I	6.1		0	0	P001	PP13, PP14	MP19	T14	TP2 TP13
1995	IRON PENTACARBONYL	6.1		II	6.1		0	0	P001	PP13, PP14	MP19	T14	TP2 TP13
1996	IRON PENTACARBONYL	6.1		III	6.1		5 L	5 L	P001 IBC03 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
1997	ISOPROPENYLBENZENE	3		III	3		5 L	5 L	P001 IBC03 LP01 R001		MP19	T2	TP1
1998	METHYLDICHLOROSILANE	3	8	I	3, 8		0	0	P010	PP13, PP14	MP19	T14	TP2 TP13
1999	METHYLDICHLOROSILANE	3	8	II	3, 8		0	0	P010	PP13, PP14	MP19	T14	TP2 TP13
2000	METHYLDICHLOROSILANE	3	8	III	3, 8		5 L	5 L	P010 IBC02 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2001	METHYLTRICHLOROSILANE	3	8	II	3, 8		1 L	1 L	P010	PP13, PP14	MP19	T14	TP2 TP13
2002	METHYLTRICHLOROSILANE	3	8	III	3, 8		5 L	5 L	P010 IBC02 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2004	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2005	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2006	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2007	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2008	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2009	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2010	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2011	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2012	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2013	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2014	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2015	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2016	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2017	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2018	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2019	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2020	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2021	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2022	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2023	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2024	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2025	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2026	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2027	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2028	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2029	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2030	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2031	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2032	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2033	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2034	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2035	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2036	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2037	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2038	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2039	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2040	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2041	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2042	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2043	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2044	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2045	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2046	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2047	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2048	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2049	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2050	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2051	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2052	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2053	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2054	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2055	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2056	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2057	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2058	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2059	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2060	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2061	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2062	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2063	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2064	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2065	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2066	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2067	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2068	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2069	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2070	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2071	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2072	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2073	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2074	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2075	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2076	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2077	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2078	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2079	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2080	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2081	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2082	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2083	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2084	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2085	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2086	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2087	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2088	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2089	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2090	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2091	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2092	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2093	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2094	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2095	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2096	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2097	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2098	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2099	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2100	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2101	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2102	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2103	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2104	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2105	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2106	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2107	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2108	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2109	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2110	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2111	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2112	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2113	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2114	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2115	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2116	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2117	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2118	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2119	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2120	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2121	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2122	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2123	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2124	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2125	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2126	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2127	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2128	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2129	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2130	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2131	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2132	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2133	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2134	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2135	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2136	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2137	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2138	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2139	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2140	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2141	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2142	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2143	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2144	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2145	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2146	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2147	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2148	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2149	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2150	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2151	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		II	4.3		0	0	P403	PP13, PP14	MP19	T14	TP2 TP13
2152	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		III	4.3		0	0	P403 IBC04 LP01 R001	PP13, PP14	MP19	T7	TP2 TP13
2153	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3		I	4.3		0	0	P403	PP13, PP14	MP19	T14

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
LGBF		FL	2 (D/E)				S2 S20	33	1306	WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	3 (D/E)	V12			S2	30	1306	WOOD PRESERVATIVES, LIQUID
LGBF		FL	3 (D/E)				S2	30	1306	WOOD PRESERVATIVES, LIQUID, having a flash-point below 23 °C and viscous according to 2.2.3.1.4 [illegible]
L1.5BN		FL	3 (D/E)				S2	33	1306	WOOD PRESERVATIVES, LIQUID [illegible]
L4BN		FL	3 (D/E)				S2	33	1306	WOOD PRESERVATIVES, LIQUID [illegible]
LGBF		FL	2 (D/E)				S2 S20	33	1307	XYLENES
LGBF		FL	3 (D/E)	V12			S2	30	1307	XYLENES
L4BN		FL	1 (C/E)				S2 S20	33	1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID
L1.5BN		FL	2 (D/E)				S2 S20	33	1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	3 (D/E)				S2	30	1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID
SGAN		AT	2 (E)	V11				40	1309	ALUMINIUM POWDER, COATED
SGAV		AT	3 (E)		VC1 VC2			40	1309	ALUMINIUM POWDER, COATED
			1 (B)				S14		1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass
SGAV		AT	3 (E)		VC1 VC2			40	1312	BORNEOL
SGAV		AT	3 (E)		VC1 VC2			40	1313	CALCIUM RESINATE
SGAV		AT	3 (E)		VC1 VC2			40	1314	CALCIUM RESINATE, FUSED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1318	COBALT RESINATE, PRECIPITATED	4.1	[illegible]	III	4.1		5 kg	E1	P002 IBC08 R001		MP11	T1	TP33
1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	D	I	4.1 +6.1		0	E0	P406	PP26	MP2		
1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1 +6.1		0	E0	P406	PP26	MP2		
1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass	4.1	D	I	4.1		0	E0	P406	PP26	MP2		
1323	FERROCERIUM	4.1	F3	II	4.1	249	1 kg	E2	P002 IBC06	B2	MP11	T3	TP33
1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1	F1	III	4.1		5 kg	E1	P002 R001	PP15	MP11		
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	F1	II	4.1	274	1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	F1	III	4.1	274	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1326	HAFNIUM POWDER, WETTED with not less than 25% water	4.1	D	II	4.1	586	0	E0	P410 IBC06	PP40	MP11	T3	TP33
1327	Hay, Straw or Bhusa	4.1	F1	NOT SUBJECT TO ADR									
1328	HEXAMETHYLENETETRAMINE	4.1	F1	III	4.1		5 kg	E1	P002 IBC08 R001	B3	MP10	T1	TP33
1330	MANGANESE RESINATE	4.1	F3	III	4.1		5 kg	E1	P002 IBC08 R001		MP11	T1	TP33
1331	MATCHES, STRIKE ANYWHERE	4.1	F1	III	4.1	293	5 kg	E0	P407	PP27	MP12		
1332	METALDEHYDE	4.1	F1	III	4.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1333	CERIUM slabs, ingots or rods	4.1	F3	II	4.1		1 kg	E2	P002 IBC08	B4	MP11		
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1	F1	III	4.1	501	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33
1336	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0	E0	P406		MP2		
1337	NITROSTARCH, WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0	E0	P406		MP2		
1338	PHOSPHORUS, AMORPHOUS	4.1	F3	III	4.1		5 kg	E1	P410 IBC06 R001	B4	MP11	T1	TP33
1339	PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg	E2	P410 IBC04		MP11	T3	TP33
1340	PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	4.3	WF2	II	4.3 +4.1	602	500 g	E2	P410 IBC04		MP14	T3	TP33
1341	PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg	E2	P410 IBC04		MP11	T3	TP33
1343	PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg	E2	P410 IBC04		MP11	T3	TP33

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (tunnel)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
[illegible]		[illegible]	[illegible]		[illegible]			40	[illegible]	[illegible]
			[illegible]			[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]			[illegible]	[illegible]		[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				10	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]						[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				40	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			10	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				10	[illegible]	[illegible]
[illegible]									[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			40	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			10	[illegible]	[illegible]
			[illegible]						[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			40	[illegible]	[illegible]
			[illegible]	[illegible]					[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			40	[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]		[illegible]			40	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					10	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		40	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					10	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					10	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					40	[illegible]	[illegible]

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted		Packagings			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3443	DINITROANILINES, SOLID, TOXIC	6.1	I		6.1		1	0	E4	P002	MP2		
3445	PHENOLSULPHONIC ACID, LIQUID, CORROSIVE	8	II		8		1 kg	1 L	E2	P001 IBC02	MP15	T7	TP2
3446	NITROTOLUENES, SOLID, N.O.S.	6.1	III		6.1		5 kg	5 kg	E1	P002 IBC08	MP19	T4	TP33
3447	POTASSIUM FLUOROACETATE	6.1	I		6.1		0	0	P001 IBC01	P001	MP11	T6	TP33
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	II		6.1		0	0	P002 IBC08	P002	MP19	T3	TP33
3449	BROMOBENZYL CYANIDES, SOLID	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3450	DIPHENYLCHLOROARSINE, SOLID	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3451	NITROTOLUIDINES, SOLID	6.1	II		6.1		1 kg	1 kg	P002 IBC08	P002	MP19	T4	TP33
3452	2,4-DICHLOROPHENOL, SOLID	6.1	III		6.1		5 kg	5 kg	P002 IBC08	P002	MP19	T4	TP33
3453	DIETHYL PHOSPHORODITHIOATE	6.1	II		6.1		1 kg	1 kg	P002 IBC08	P002	MP19	T4	TP33
3454	DIISOPROPYL FLUOROPHOSPHATE	6.1	I		6.1		0	0	P001 IBC02	P001	MP11	T6	TP33
3455	CRESOLS, SOLID	6.1	II		6.1		1 kg	1 kg	P002 IBC08	P002	MP19	T4	TP33
3456	NITROSYLSULPHURIC ACID, SOLID	8	II		8		1 kg	1 kg	P002 IBC08	P002	MP19	T4	TP33
3457	NITROTOLUENES, LIQUID, N.O.S.	6.1	II		6.1		1 L	1 L	P001 IBC02	P001	MP15	T7	TP2
3458	NITROANISOLES, LIQUID	6.1	III		6.1		5 L	5 L	P001 IBC03	P001	MP19	T4	TP1
3459	2-NITROANISOLE, SOLID	6.1	III		6.1		5 kg	5 kg	P002 IBC08	P002	MP19	T4	TP33
3460	N-METHYLANILINE	6.1	II		6.1		1 L	1 L	P001 IBC02	P001	MP15	T7	TP2
3461	NITROPHENOLS, SOLID	6.1	III		6.1		5 kg	5 kg	P002 IBC08	P002	MP19	T4	TP33
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3463	PENTACARBONYLIRON	6.1	I		6.1		0	0	P001 IBC02	P001	MP11	T6	TP33
3464	ORGANOPHOSPHORUS COMPOUNDS, SOLID, TOXIC, N.O.S.	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3465	ORGANOARSENIC COMPOUNDS, SOLID, N.O.S.	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3467	ORGANOMETALLIC COMPOUNDS, SOLID, TOXIC, N.O.S.	6.1	I		6.1		0	0	P002 IBC07	P002	MP19	T3	TP33
3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM	2.1							P208		MP9		
3469	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	8	II		8 3		1 L	1 L	P001 IBC02		MP15	T7	TP1
3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	8	I		8 3		0	0	P001		MP15	T14	TP2 TP27
3471	HYDROGEN FLUORIDE, SOLUTION, with more than 60% hydrogen fluoride	8	I		8		0	0	P001 IBC01		MP15	T14	TP2 TP27
3472	CRYOGENIC LIQUID, TOXIC, N.O.S.	2							P203		MP9		
3473	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUIDS	3	III		3		5 L	5 L	P001 IBC03		MP19	T4	TP1
3474	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, DRY OR WETTED WITH LESS THAN 20% WATER, BY MASS	4.1	II		4.1		1 kg	1 kg	P002 IBC08		MP12		
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3	II		3		1 L	1 L	P001 IBC02		MP15	T7	TP1
3476	FUEL CELL CARTRIDGES CONTAINING HYDROGEN IN METAL HYDRIDE	4.3	III		4.3		0	1	P003		MP19	T4	TP33
3477	FUEL CELL CARTRIDGES CONTAINING CORROSIVE LIQUID	8	II		8		0	0	P001		MP15	T7	TP2
3478	FUEL CELL CARTRIDGES CONTAINING HYDROGEN IN METAL HYDRIDE, with corrosive	4.3	II		4.3 8		0	0	P003 IBC05	PP12 PP31	MP14	T7	TP2
3479	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUID, CORROSIVE	3	II		3 8		0	0	P001 IBC02	PP9 PP31	MP15	T7	TP2
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	II		9		0	0	P903 P908 P909 P910 P911	PP9 PP31	MP14	T7	TP2
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries)	9	II		9		0	0	P903 P908 P909 P910 P911	PP9 PP31	MP14	T7	TP2



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provision	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.4.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1950	AEROSOLS	2	5F	1	2.1		1	1.2	P207 LP200		PP87 RR6	T50	190 327 344 625
1951	ARGON, COMPRESSED	2	1A		2.2		120		P200			T75	
1952	CARBON DIOXIDE, REFRIGERATED LIQUID	2	3A		2.2		0	1.1	P203		MP9	T75	TP5
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S. (Inhalation hazard zone A)	2	1TF		2.3 2.1	23	0	0	P200		MP9	T50	TP5
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	1F		2.1	23	120	1.1	P200		MP9	T50	TP5
1955	COMPRESSED GAS, TOXIC	2	1T		2.3	23	0	0	P200		MP9	T50	TP5
1956	COMPRESSED GAS, N.O.S.	2	1A				120	1.1	P200		MP9	T50	TP5
1957	DEUTERIUM	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1958	DICHLOROTETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2	1A				120	1.1	P200		MP9	T50	TP5
1959	DICHLORODIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1960	DIMETHYLAMINE, ANHYDROUS	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1961	ETHANE	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1962	ETHYLENE	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1963	HELIUM, COMPRESSED	2	1A				120	1.1	P200		MP9	T50	TP5
1964	HYDROCARBON GAS, MIXTURE, COMPRESSED, N.O.S.	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1965	HYDROCARBON GAS, LIQUEFIED, N.O.S.	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1966	HYDROGEN, REFRIGERATED LIQUID	2	3F		2.1		0	1.1	P203		MP9	T75	TP5
1967	INSECTICIDE GAS, TOXIC, N.O.S.	2	1T		2.3		0	0	P200		MP9	T50	TP5
1968	INSECTICIDE GAS, N.O.S.	2	1A				120	1.1	P200		MP9	T50	TP5
1969	ISOBUTANE	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1970	KRYPTON, COMPRESSED	2	1A				120	1.1	P200		MP9	T50	TP5
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2	3F		2.1		0	1.1	P203		MP9	T75	TP5
1973	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2	1F		2.1 2.2		120	1.1	P200		MP9	T50	TP5
1974	MONOCHLORODIFLUOROBROMOMETHANE (REFRIGERANT GAS R 12B1)	2	1A				120	1.1	P200		MP9	T50	TP5
1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)	2	1TO		2.3 5.1 8		0	0	P200		MP9	T50	TP5
1976	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)	2	1A				120	1.1	P200		MP9	T50	TP5
1977	NITROGEN, REFRIGERATED LIQUID	2	3A		2.2		0	1.1	P203		MP9	T75	TP5
1978	PROPANE	2	1F		2.1		120	1.1	P200		MP9	T50	TP5
1979	RARE GASES MIXTURE, COMPRESSED	2	1A				120	1.1	P200		MP9	T50	TP5
1980	RARE GASES AND OXYGEN MIXTURE, COMPRESSED	2	1A				120	1.1	P200		MP9	T50	TP5
1981	RARE GASES AND NITROGEN MIXTURE, COMPRESSED	2	1A				120	1.1	P200		MP9	T50	TP5
1982	TETRAFLUOROMETHANE (REFRIGERANT GAS R 14)	2	1A				120	1.1	P200		MP9	T50	TP5
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)	2	1A				120	1.1	P200		MP9	T50	TP5
1984	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	2	1A				120	1.1	P200		MP9	T50	TP5
1985	Reserved for future use												
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	F1T		3 6.1		1	1.1	P001 IBC02	IBC6	MP19	T7	TP1 TP28
1987	ALCOHOLS, N.O.S.	3	F1	III	3		5 000	1.2	P001 IBC03		MP19	T4	TP1
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	F1T		3 6.1	1 3 6		1.1	P001	IBC6	MP19	T7	TP1
1989	ALDEHYDES, N.O.S.	3	F1	I	3	1 3 6	500	1.2	P001 IBC02		MP19	T7	TP1 TP28
1990	BENZALDEHYDE	9	M6	III	9		5 000	1.2	P001 IBC03		MP19	T4	TP1
1991	CHLOROPRENE, STABILIZED	3	F1T	I	3 6.1	1 3 6	0	1.1	P001 IBC02		MP19	T7	TP1 TP28
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	F1T	I II III	3 6.1	1 3 6	0 1 000 5 000	1.1 1.2 1.2	P001 IBC02 IBC03		MP19	T7 T4 T4	TP1 TP28 TP1
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I II III	3	1 3 6	0 1 000 5 000	1.1 1.2 1.2	P001 IBC02 IBC03		MP19	T7 T4 T4	TP1 TP28 TP1
1994	IRON PENTACARBONYL	6.1	T1	I	6.1	1 3 6	0	1.1	P001 IBC02		MP19	T7	TP1 TP28
1995	IRON PENTACARBONYL, FLAMMABLE	3	F1T	I	3 6.1	1 3 6	0	1.1	P001 IBC02		MP19	T7	TP1 TP28
1996	ISOPRENE, STABILIZED	3	F1T	I	3 6.1	1 3 6	0	1.1	P001 IBC02		MP19	T7	TP1 TP28
1997	METHALLYL ALCOHOL	3	F1T	II	3 6.1	1 3 6	1 000	1.2	P001 IBC02		MP19	T7	TP1
1998	METHYLDICHLOROSILANE	3	F1TC	I	3 6.1 8	1 3 6	0	1.1	P001 IBC02		MP19	T7	TP1 TP28
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	F1	II III	3	1 3 6	1 000 5 000	1.2 1.2	P001 IBC02 IBC03		MP19	T7 T4 T4	TP1 TP28 TP1
2000	CELLULOID in blocks, rods, sheets, tubes, etc., except scrap	4.1	D1	II	4.1		500	1.2	P002 IBC02		MP19	T7	TP1
2001	COBALT NAPHTHENATES, POWDER	4.1	D1	III	4.1		5 000	1.2	P002 IBC03		MP19	T4	TP1
2002	CELLULOID, SCRAP	4.2	D1	II	4.2		500	1.2	P002 IBC02		MP19	T7	TP1
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.2	D1	II	4.2		500	1.2	P002 IBC02		MP19	T7	TP1
2004	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.2	D1	II	4.2		500	1.2	P002 IBC02		MP19	T7	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAV		AT	2 (D/E)	V1				40	1369	p-NITROSODIMETHYLANILINE
NOT SUBJECT TO ADR									1372	Fibres, animal or fibres, vegetable burnt, wet or damp
		AT	4 (E)	V1	VC1			40	1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil
		AT	2 (D/E)	V1				40	1374	FISH MEAL (FISH SCRAP), UNSTABILIZED
SGAV		AT	3 (E)	V1	VC1			40	1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification
SGAN		AT	2 (D/E)	V1				40	1378	METAL CATALYST, WETTED with a visible excess of liquid
			4 (E)	V1	VC1			40	1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)
L21DH	TU14 TU16 TU21 TE21 TM1	AT	0 (B/E)	V1		CV28	S20	333	1380	PENTABORANE
L10DH(+)	TU14 TU16 TU21 TE3 TE21	AT	0 (B/E)	V1		CV28	S20	46	1381	PHOSPHORUS, WHITE or YELLOW, UNDER WATER or IN SOLUTION
L10DH(+)	TU14 TU16 TU21 TE3 TE21	AT	0 (B/E)	V1		CV28	S20	46	1381	PHOSPHORUS, WHITE or YELLOW, DRY
SGAN		AT	2 (D/E)	V1				40	1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization
		AT	0 (B/E)	V1			S20	43	1383	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.
SGAN		AT	2 (D/E)	V1				40	1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)
SGAN		AT	2 (D/E)	V1				40	1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization
			4 (E)	V1	VC1			40	1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture
NOT SUBJECT TO ADR									1387	Wool waste, wet
L10BN(+)	TU1 TE5 TT3 TM2	AT	1 (B/E)	V1		CV23	S20	X423	1389	ALKALI METAL AMALGAM, LIQUID
SGAN		AT	2 (D/E)	V1		CV23		423	1390	ALKALI METAL AMIDES
L10BN(+)	TU1 TE5 TT3 TM2	AT	1 (B/E)	V1		CV23	S20	X423	1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION
L10BN(+)	TU1 TE5 TT3 TM2	AT	1 (B/E)	V1		CV23	S20	X423	1392	ALKALINE EARTH METAL AMALGAM, LIQUID
SGAN		AT	2 (D/E)	V1		CV23		423	1393	ALKALINE EARTH METAL ALLOY, N.O.S.
SGAN		AT	2 (D/E)	V1	VC1	CV23		423	1394	ALUMINIUM CARBIDE
SGAN		AT	2 (D/E)	V1		CV23 CV28		462	1395	ALUMINIUM FERROSILICON POWDER
SGAN		AT	2 (D/E)	V1		CV23		423	1396	ALUMINIUM POWDER, UNCOATED
SGAN		AT	3 (E)	V1	VC1	CV23		423	1396	ALUMINIUM POWDER, UNCOATED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1707	THALLIUM COMPOUNDS, N.O.S.	6.1	T1	II	6.1		0	E4	P002 IBC08		MP19	T7	TP33
1708	TOLUENE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1	T2	III	6.1		5 kg	E1	P002 IBC08		MP19	T3	TP33
1710	TRICHLOROETHYLENE	6.1	T1	III	6.1		5 L	E1	P001 IBC03		MP19	T4	TP1
1711	XYLIDINES, LIQUID	6.1	T1	II	6.1		1 L	E2	P001 IBC02		MP19	T7	TP1
1712	ZINC ARSENATE, ZINC ARSENITE OR ZINC ARSENATE AND ZINC ARSENITE MIXTURE	6.1	T5	II	6.1		1 kg	E4	P002 IBC08		MP19	T7	TP33
1713	ZINC CHLORIDE, SOLUTION	8	C9	III	8		5 L	E1	P001 IBC03		MP19	T7	TP1
1714	ZINC PHOSPHIDE	4.3	W2	I	4.3		0	E0	P410		MP2		
1715	ACETIC ANHYDRIDE	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1716	ACETYL BROMIDE	8	C9	III	8		5 L	E1	P001 IBC03		MP19	T7	TP1
1717	ACETYL CHLORIDE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1718	ACIDIC PHOSPHATE SLURRY SOLUTION	8	C1	III	8		5 L	E1	P001 IBC03		MP19	T7	TP1
1719	CAUSTIC ALKALI LIQUIDS, N.O.S.	8	C5	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1720	CAESIUM	4.3	W2	I	4.3		0	E0	P403		MP2		
1721	CAESIUM HYDROXIDE, SOLUTION	8	C5	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1722	ALLYL CHLOROFORMATE	6.1	T1	I	6.1		0	E0	P602		MP2		
1723	ALLYL IODIDE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	C9	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1725	ALUMINIUM BROMIDE, ANHYDROUS	8	C9	II	8		1 kg	E2	P002 IBC06		MP19	T7	TP33
1726	ALUMINIUM CHLORIDE, ANHYDROUS	8	C9	II	8		1 kg	E2	P002 IBC06		MP19	T7	TP33
1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	C6	II	8		1 kg	E2	P002 IBC06		MP19	T7	TP33
1728	AMYLTRICHLOROSILANE	8	C9	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1729	ANISOYL CHLORIDE	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1731	ANTIMONY PENTACHLORIDE, SOLUTION	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1732	ANTIMONY PENTAFLUORIDE	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1733	ANTIMONY TRICHLORIDE	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1734	ANTIMONY TRICHLORIDE, SOLUTION	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1735	ANTIMONY PENTAFLUORIDE, SOLUTION	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1736	BENZOYL CHLORIDE	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1737	BENZYL BROMIDE	6.1	T1	II	6.1		1 L	E2	P001 IBC02		MP19	T7	TP1
1738	BENZYL CHLORIDE	6.1	T1	II	6.1		1 L	E2	P001 IBC02		MP19	T7	TP1
1739	BENZYL CHLOROFORMATE	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1740	HYDROGENDIFLUORIDES, N.O.S.	8	C6	II	8		1 kg	E2	P002 IBC06		MP19	T7	TP33
1741	BORON TRICHLORIDE	2	2TC		2.3 8		0	E0	P200		MP2		
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	C3	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1744	BROMINE	8	C1	I	8		0	E0	P602		MP2		
1745	BROMINE PENTAFLUORIDE	5.1	O2	I	5.1 6.1 8		0	E0	P504		MP2		
1746	BROMINE TRIFLUORIDE	5.1	O2	I	5.1 6.1 8		0	E0	P504		MP2		
1747	BUTYLTRICHLOROSILANE	8	C9	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1748	CALCIUM HYPOCHLORITE, DRY OR CALCIUM HYPOCHLORITE MIXTURE, DRY WITH MORE THAN 39% AVAILABLE CHLORINE (8.8% AVAILABLE OXYGEN)	5.1	O2	II	5.1		0	E0	P002 IBC08		MP19	T3	TP33
1749	CHLORINE TRIFLUORIDE	2	2TC		2.3 5.1 8		0	E0	P200		MP2		
1750	CHLOROACETIC ACID, SOLUTION	6.1	T1	II	6.1		1 L	E2	P001 IBC02		MP19	T7	TP1
1751	CHLOROACETIC ACID, SOLID	6.1	T1	II	6.1		1 kg	E2	P002 IBC08		MP19	T7	TP33
1752	CHLOROACETYL CHLORIDE	6.1	T1	II	6.1 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1753	CHLOROPHENYLTRICHLOROSILANE	8	C9	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1754	CHLOROSULPHONIC ACID (WITH OR WITHOUT SULPHUR TRIOXIDE)	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1755	CHROMIC ACID SOLUTION, CORROSIVE	8	C1	II	8		1 L	E2	P001 IBC02		MP19	T7	TP1
1756	CHROMIC FLUORIDE, SOLID	8	C6	III	8		5 kg	E1	P002 IBC08		MP19	T7	TP33
1757	CHROMIC FLUORIDE, SOLUTION	8	C1	III	8		5 L	E1	P001 IBC03		MP19	T7	TP1
1758	CHROMIUM OXYCHLORIDE	8	C1	I	8		0	E0	P001 IBC01		MP2		
1759	CORROSIVE SOLID, N.O.S.	8	C9	III	8		5 kg	E1	P002 IBC08		MP19	T7	TP33
1760	CORROSIVE LIQUID, N.O.S.	8	C9	III	8		5 L	E1	P001 IBC03		MP19	T7	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.4.4	9.1.1.2	1.1.3.6 and 8.6	7.2.4	7.3.3	7.5.11	8.5	5.1.2.1		3.1.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1427	SODIUM HYDRIDE	4.3	W2	I	4.3		0	E0	P403		MP2		
1428	SODIUM	4.3	W2	I	4.3		0	E0	P403 IBC04		MP2	T9	TP7 TP33
1431	SODIUM METHYLATE	4.2	SC4	II	4.2 +8		0	E2	P410 IBC05		MP14	T3	TP33
1432	SODIUM PHOSPHIDE	4.3	WT2	I	4.3 +6.1		0	E0	P403		MP2		
1433	STANNIC PHOSPHIDES	4.3	WT2	I	4.3 +6.1		0	E0	P403		MP2		
1435	ZINC ASHES	4.3	W2	III	4.3		1 kg	E1	P410 IBC08 R001	B4	MP14	T1	TP33
1436	ZINC POWDER or ZINC DUST	4.3	WS	I	4.3 +4.2		0	E0	P403		MP2		
1436	ZINC POWDER or ZINC DUST	4.3	WS	II	4.3 +4.2		0	E2	P410 IBC07	PP40	MP14	T3	TP33
1436	ZINC POWDER or ZINC DUST	4.3	WS	III	4.3 +4.2		0	E1	P410 IBC08 R001	B4	MP14	T1	TP33
1437	ZIRCONIUM HYDRIDE	4.1	F3	II	4.1		1 kg	E2	P410 IBC04	PP40	MP11	T3	TP33
1438	ALUMINIUM NITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33
1439	AMMONIUM DICHROMATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1442	AMMONIUM PERCHLORATE	5.1	O2	II	5.1	152	1 kg	E2	P002 IBC06		MP2	T3	TP33
1444	AMMONIUM PERSULPHATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1445	BARIUM CHLORATE, SOLID	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1446	BARIUM NITRATE	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1447	BARIUM PERCHLORATE, SOLID	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1448	BARIUM PERMANGANATE	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1449	BARIUM PEROXIDE	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1450	BROMATES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 350	1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1451	CAESIUM NITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1452	CALCIUM CHLORATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1453	CALCIUM CHLORITE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1454	CALCIUM NITRATE	5.1	O2	III	5.1	208	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33
1455	CALCIUM PERCHLORATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1456	CALCIUM PERMANGANATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1457	CALCIUM PEROXIDE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06		MP2	T3	TP33
1458	CHLORATE AND BORATE MIXTURE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
1458	CHLORATE AND BORATE MIXTURE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP2	T1	TP33
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			1 (E)	V1		CV23	S20		1427	SODIUM HYDRIDE
L10BN(+)	TU1 TE5 TT3 TM2	AT	1 (E)	V1		CV23	S20	X423	1428	SODIUM
SGAN		AT	2 (D/E)	V1				48	1431	SODIUM METHYLATE
			1 (E)	V1		CV23 CV28	S20		1432	SODIUM PHOSPHIDE
			1 (E)	V1		CV23 CV28	S20		1433	STANNIC PHOSPHIDES
SGAN		AT	3 (E)	V1	VV8	CV23		423	1435	ZINC ASHES
			1 (E)	V1		CV23	S20		1436	ZINC POWDER or ZINC DUST
SGAN		AT	2 (D/E)	V1		CV23		423	1436	ZINC POWDER or ZINC DUST
SGAN		AT	3 (E)	V1	VV8	CV23		423	1436	ZINC POWDER or ZINC DUST
SGAN		AT	2 (E)					40	1437	ZIRCONIUM HYDRIDE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1438	ALUMINIUM NITRATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1439	AMMONIUM DICHROMATE
		AT	2 (E)	V11	VV9	CV24	S23	50	1442	AMMONIUM PERCHLORATE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1444	AMMONIUM PERSULPHATE
SGAN	TU3	AT	2 (D/E)	V11		CV24 CV28		56	1445	BARIUM CHLORATE, SOLID
SGAN	TU3	AT	2 (D/E)	V11		CV24 CV28		56	1446	BARIUM NITRATE
SGAN	TU3	AT	2 (D/E)	V11		CV24 CV28	S23	56	1447	BARIUM PERCHLORATE, SOLID
SGAN	TU3	AT	2 (D/E)	V11		CV24 CV28		56	1448	BARIUM PERMANGANATE
SGAN	TU3	AT	2 (D/E)	V11		CV24 CV28		56	1449	BARIUM PEROXIDE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24		50	1450	BROMATES, INORGANIC, N.O.S.
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1451	CAESIUM NITRATE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24		50	1452	CALCIUM CHLORATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1453	CALCIUM CHLORITE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1454	CALCIUM NITRATE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24	S23	50	1455	CALCIUM PERCHLORATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1456	CALCIUM PERMANGANATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1457	CALCIUM PEROXIDE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24		50	1458	CHLORATE AND BORATE MIXTURE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1458	CHLORATE AND BORATE MIXTURE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24		50	1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1459	CHLORATES, INORGANIC, N.O.S.	5.1											
1461	CHLORATES, INORGANIC, SOLUTIONS	5.1											
1462	CHLORITES, INORGANIC, N.O.S.	5.1											
1463	CHROMIC ACID, SOLID, ANHYDROUS	5.1											
1465	DIDYMIUM NITRATE	5.1											
1466	FERRIC NITRATE	5.1											
1467	GUANIDINE NITRATE	5.1											
1469	LEAD NITRATE	5.1											
1470	LEAD PERCHLORATE, SOLID	5.1											
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1											
1472	LITHIUM PEROXIDE	*											
1473	MAGNESIUM BROMATE	5.1											
1474	MAGNESIUM NITRATE	5.1											
1475	MAGNESIUM PEROXIDE	5.1											
1476	MAGNESIUM PERCHLORATE	5.1											
1477	NITRATES, INORGANIC, N.O.S.	5.1											
1479	OXIDIZING SOLID, N.O.S.	5.1											
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1											
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1											
1483	PEROXIDES, INORGANIC, N.O.S.	5.1											
1484	POTASSIUM BROMATE	5.1											
1485	POTASSIUM CHLORATE	5.1											
1486	POTASSIUM NITRATE	5.1											
1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1											
1488	POTASSIUM NITRITE	5.1											
1489	POTASSIUM PERCHLORATE	5.1											
1490	POTASSIUM PERMANGANATE	5.1											
1491	POTASSIUM PEROXIDE	5.1											
1492	POTASSIUM PERSULPHATE	5.1											
1493	SILVER NITRATE	5.1											
1494	SODIUM BROMATE	5.1											
1495	SODIUM CHLORATE	5.1											
1496	SODIUM NITRATE	5.1											
1497	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1											
1498	SODIUM NITRITE	5.1											
1499	SODIUM PERCHLORATE	5.1											
1500	SODIUM PERMANGANATE	5.1											
1502	SODIUM PEROXIDE	5.1											
1503	SODIUM PERSULPHATE	5.1											
1504	STRONTIUM CHLORATE	5.1											
1505	STRONTIUM NITRATE	5.1											
1506	STRONTIUM PERCHLORATE	5.1											
1507	STRONTIUM PEROXIDE	5.1											
1508	THALLIUM PERSULPHATE	5.1											
1509	UREA HYDROGEN PEROXIDE	5.1											
1510	URANYL NITRATE HEXAHYDRATE	5.1											
1511	UREA NITRATE	5.1											
1512	ZINC AMMONIUM NITRITE	5.1											
1513	ZINC CHLORATE	5.1											
1514	ZINC NITRATE	5.1											
1515	ZINC PERMANGANATE	5.1											
1516	ZINC PEROXIDE	5.1											
1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1											
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1											
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1											
1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1											
1546	AMMONIUM DICHROMATE	6.1											
1547	ANILINE	6.1											
1548	ANILINE HYDROCHLORIDE	6.1											
1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	6.1											
1550	ANTIMONY LACTATE	6.1											
1551	ANTIMONY POTASSIUM TARTRATE	6.1											
1553	ARSENIC ACID, LIQUID	6.1											
1554	ARSENIC ACID, SOLID	6.1											
1555	ARSENIC BROMIDE	6.1											
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulphides, n.o.s.	6.1											
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulphides, n.o.s.	6.1											
1558	ARSENIC	6.1											
1559	ARSENIC PENTOXIDE	6.1											
1560	ARSENIC TRICHLORIDE	6.1											
1561	ARSENIC TRIOXIDE	6.1											
1562	ARSENICAL DUST	6.1											
1564	BARIUM COMPOUND, N.O.S.	6.1											
1565	BARIUM CYANIDE	6.1											
1566	BERYLLIUM COMPOUND, N.O.S.	6.1											
1567	BERYLLIUM POWDER	6.1											
1569	BROMOACETONE	6.1											
1570	BRUCINE	6.1											
1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1											
1572	CACODYLIC ACID	6.1											
1573	CALCIUM ARSENATE	6.1											
1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	6.1											
1575	CALCIUM CYANIDE	6.1											
1577	CHLORODINITROBENZENES, LIQUID	6.1											
1578	CHLORONITROBENZENES, SOLID	6.1											
1579	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID	6.1											
1580	CHLOROPICRIN	6.1											
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE	2.3											
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	2.3											
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1											
1585	COPPER ACETOARSENITE	6.1											
1586	COPPER ARSENITE	6.1											
1587	COPPER CYANIDE	6.1											
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1											
1589	CYANOGEN CHLORIDE, STABILIZED	2.3											
1590	DICHLOROANILINES, LIQUID	6.1											
1591	DICHLOROBENZENES, LIQUID	6.1											

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID
SGAV	TU3	AT	2 (E)	V11	[illegible]	CV24		50	1461	CHLORATES, INORGANIC, N.O.S.
SGAN	TU3	AT	2 (E)	V11		CV24		50	1462	CHLORITES, INORGANIC, N.O.S.
SGAN	TU3	AT	2 (E)	V11		CV24 CV28		568	1463	CHROMIUM TRIOXIDE, ANHYDROUS
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1465	DIDYMIUM NITRATE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1466	FERRIC NITRATE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1467	GUANIDINE NITRATE
SGAN	TU3	AT	2 (E)	V11		CV24 CV28		56	1469	LEAD NITRATE
SGAN	TU3	AT	2 (E)	V11		CV24 CV28	[illegible]	56	1470	LEAD PERCHLORATE, SOLID
SGAN	TU3	AT	2 (E)	V11		CV24		50	1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE
SGAV	TU3	AT	3 (E)			CV24		50	1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1472	LITHIUM PEROXIDE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24		50	1473	MAGNESIUM BROMATE
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1474	MAGNESIUM NITRATE
SGAV	TU3	AT	2 (E)	V11	VV9	CV24	S23	50	1475	MAGNESIUM PERCHLORATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1476	MAGNESIUM PEROXIDE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1477	NITRATES, INORGANIC, N.O.S.
SGAV	TU3	AT	3 (E)		VV9	CV24		50	1477	NITRATES, INORGANIC, N.O.S.
			1 (B)	V10		CV24	S20		1479	OXIDIZING SOLID, N.O.S.
SGAN	TU3	AT	2 (E)	V11		CV24		50	1479	OXIDIZING SOLID, N.O.S.
SGAV	TU3	AT	3 (E)			CV24		50	1479	OXIDIZING SOLID, N.O.S.
SGAN	TU3	AT	2 (E)	V11	VV8	CV24	S23	50	1481	PERCHLORATES, INORGANIC, N.O.S.
SGAV	TU3	AT	3 (E)		VV8	CV24	S23	50	1481	PERCHLORATES, INORGANIC, N.O.S.
SGAN	TU3	AT	2 (E)	V11		CV24		50	1482	PERMANGANATES, INORGANIC, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1489	PLAKIVANGANYIN IN-(8)-(9), N.O.S.	5.1	O1	III	5.1	274	5 kg	E1	P502 IBC08 LP02 R001	IB3	MP19	T1	TP33
1491	PLATINUM SODIUM CHLORIDE	5.1	O2	II	5.1		1 kg	E2	P503 IBC06		MP2	T4	TP33
1493	PLATINUM ISOPROPANOL	5.1	O2	III	5.1		5 kg	E1	P001 IBC08 LP01 R001	IB3	MP2	T1	TP33
1494	POTASSIUM BROMATE	5.1	O1	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1495	POTASSIUM CHLORATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1496	POTASSIUM CHLORATE AND SODIUM CHLORATE MIXTURE	5.1	O2	II	5.1	107	1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1498	POTASSIUM NITRATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	IB4	MP19	T4	TP33
1499	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	IB4	MP19	T4	TP33
1500	POTASSIUM NITRITE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP33
1502	POTASSIUM PERCHLORATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1503	POTASSIUM PERMANGANATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	IB4	MP19	T4	TP33
1504	POTASSIUM PEROXIDE	5.1	O2	I	5.1		0	E0	P503 IBC08		MP20		
1505	POTASSIUM PERSULPHATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP33
1506	POTASSIUM PERSULPHATE AND SODIUM PERSULPHATE MIXTURE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP33
1507	POTASSIUM PERSULPHATE AND SODIUM PERSULPHATE MIXTURE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP33
1508	POTASSIUM SELENATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1509	POTASSIUM SUPEROXIDE	5.1	O2	I	5.1		0	E0	P503 IBC08		MP20		
1510	TETRANITROMETHANE	6.1	O1	II	5.1		0	E0	P001 IBC02		MP20		
1511	UREA NITRATE	4.1	O1	II	5.1		0.5 kg	E0	P406 IBC06		MP17	T4	TP33
1512	ZINC AMMONIUM NITRITE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1513	ZINC CHLORATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1514	ZINC NITRATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1515	ZINC PERMANGANATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC06	IB4	MP17	T4	TP33
1516	ZINC PEROXIDE	5.1	O2	I	5.1		0	E0	P503 IBC08		MP20		
1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	O1	II	5.1		0.5 kg	E0	P406 IBC06		MP17	T4	TP33
1518	ZIRCONIUM SCRAP	4.2	O2	II	5.1		1 kg	E2	P002 IBC06		MP17	T4	TP33
1519	ZIRCONIUM SUBNITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP33

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAV	TU3	AT	3 (E)			CV24		50	1482	PERMANGANATES, INORGANIC, N.O.S.
SGAN	TU3	AT	2 (E)	V11		CV24		50	1483	PEROXIDES, INORGANIC, N.O.S.
SGAV	TU3	AT	3 (E)			CV24		50	1483	PEROXIDES, INORGANIC, N.O.S.
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1484	POTASSIUM BROMATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1485	POTASSIUM CHLORATE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1486	POTASSIUM NITRATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1488	POTASSIUM NITRITE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24	[illegible]	50	1489	POTASSIUM PERCHLORATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1490	POTASSIUM PERMANGANATE
			1 (E)	V10		CV24	S20		1491	POTASSIUM PEROXIDE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1492	POTASSIUM PERSULPHATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1493	SILVER NITRATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1494	SODIUM BROMATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1495	SODIUM CHLORATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1496	SODIUM CHLORITE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1498	SODIUM NITRATE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE
SGAV	TU3	AT	3 (E)			CV24 CV28		56	1500	SODIUM NITRITE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24	[illegible]	50	1502	SODIUM PERCHLORATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1503	SODIUM PERMANGANATE
			1 (E)	V10		CV24	[illegible]		1504	SODIUM PEROXIDE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1505	SODIUM PERSULPHATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24		50	1506	STRONTIUM CHLORATE
SGAV	TU3	AT	3 (E)		VV8	CV24		50	1507	STRONTIUM NITRATE
SGAN	TU3	AT	2 (E)	V11	VV8	CV24	[illegible]	50	1508	STRONTIUM PERCHLORATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1509	STRONTIUM PEROXIDE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging:			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.1	3.5.1.2	4.1.4	4.1.5	4.1.10	4.2.5.2 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1509	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1511	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1512	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1513	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1514	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1515	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1516	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1517	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1518	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1519	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1520	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1521	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1522	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1523	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1524	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1525	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1526	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1527	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1528	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1529	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1530	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1531	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1532	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1533	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1534	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1535	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1536	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/D)			CV1 CV13 CV28	S9 S14	665	1510	TETRANITROMETHANE
SGAN	TU3	AT	3 (E)			CV24		58	1511	UREA HYDROGEN PEROXIDE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1512	ZINC AMMONIUM NITRITE
SGAV	TU3	AT	2 (E)	V11	VV8	CV24		50	1513	ZINC CHLORATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1514	ZINC NITRATE
SGAV	TU3	AT	2 (E)	V11		CV24		50	1515	ZINC PERMANGANATE
SGAN	TU3	AT	2 (E)	V11		CV24		50	1516	ZINC PEROXIDE
			1 (B)				S14		1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20 % water, by mass
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/D)			CV1 CV13 CV28	S9 S14	669	1541	ACETONE CYANOHYDRIN, STABILIZED
S10AH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.
L4BH	TU15 TE19	FL	2 (D/E)			CV13 CV28	S2 S9 S19	639	1545	ALLYL ISOTHIOCYANATE, STABILIZED
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1546	AMMONIUM ARSENATE
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1547	ANILINE
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1548	ANILINE HYDROCHLORIDE
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1550	ANTIMONY LACTATE
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1551	ANTIMONY POTASSIUM TARTRATE
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	1553	ARSENIC ACID, LIQUID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1554	ARSENIC ACID, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1555	ARSENIC BROMIDE
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	1.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	1.5.1.2	4.1.1	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1556	ARSENIC COMPOUND LIQUID, N.O.S., inorganic including Arsenates, Arsenites, Arsenic sulphides, etc.	6.1	T4	I	6.1	45 274	100 ml	1.4	P001 IBC07		MP17	T11	[illegible]
1556	ARSENIC COMPOUND LIQUID, N.O.S., inorganic including Arsenates, Arsenites, Arsenic sulphides, etc.	6.1	T4	III	[illegible]	17 274	5 l	1.5	P001 IBC03 LP01 R001		MP19	T7	[illegible]
1557	ARSENIC COMPOUND SOLID, N.O.S., inorganic including Arsenates, Arsenites, Arsenic sulphides, etc.	6.1	T5	I	6.1	11 274	1	1.5	P002 IBC07		MP12	T6	[illegible]
1557	ARSENIC COMPOUND SOLID, N.O.S., inorganic including Arsenates, Arsenites, Arsenic sulphides, etc.	6.1	T5	I	6.1	45 274	500 g	1.4	P002 IBC08	B4	MP10	T7	[illegible]
1558	ARSENIC COMPOUND SOLID, N.O.S., inorganic including Arsenates, Arsenites, Arsenic sulphides, etc.	6.1	T5	II	6.1	41 274	5 kg	1.1	P002 IBC06 LP02 R001	B3	MP10	T1	TP33
1559	ARSENIC	6.1	T5	II	6.1		500 g	1.4	P002 IBC08	B4	MP10	T7	TP33
1560	ARSENIC PENTOXIDE	6.1	T5	II	6.1		500 g	1.4	P002 IBC08	B4	MP10	T1	TP33
1561	ARSENIC TRICHLORIDE	6.1	T4	I	6.1		1	1.5	P002		MP9 MP12	T13	[illegible]
1562	ARSENIC TRIOXIDE	6.1	T5	II	6.1		500 g	1.4	P002 IBC08	B4	MP10	T7	TP33
1562	ARSENIC ALLOYS	6.1	T5	II	6.1		500 g	1.4	P002 IBC08	B4	MP10	T1	TP33
1564	BARIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	177 274 [illegible]	500 g	1.4	P002 IBC08	B4	MP10	T7	TP33
1564	BARIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	177 274 [illegible]	5 kg	1.1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1565	BARIUM CYANIDE	6.1	T5	I	6.1		1	1.5	P002 IBC08		MP8	T6	TP33
1565	BERYLLIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274 [illegible]	500 g	1.4	P002 IBC08	B4	MP10	T7	TP33
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	274 [illegible]	5 kg	1.1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1567	BERYLLIUM POWDER	6.1	IB7	II	6.1 +1.1		500 g	1.1	P002 IBC08	B4	MP10	T7	TP33
1569	BIBROMOACETONE	6.1	T5	II	6.1 +3		1	1.4	P002		MP15	T20	[illegible]
1570	BALCONE	6.1	T5	I	6.1	45	1	1.5	P002 IBC07		MP18	T6	TP33
1571	BARIUM AZIDE WETTED, with not less than 50% water by mass	4.1	DT	I	4.1 +6.1	356	1	1.0	P406		MP2		
1572	CACODYLIC ACID	6.1	T5	II	6.1		500 g	B4	P002 IBC02	B4	MP10	T1	TP33
1573	CALCIUM ARSENATE	6.1	T5	II	6.1		500 g	B4	P002 IBC02	B4	MP10	T1	TP33

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1558	ARSENIC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1559	ARSENIC PENTOXIDE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	1560	ARSENIC TRICHLORIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ARSENIC TRIOXIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ARSENICAL DUST
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1564	BARIUM COMPOUND, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	1564	BARIUM COMPOUND, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1565	BARIUM CYANIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1566	BERYLLIUM COMPOUND, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BERYLLIUM COMPOUND, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	BERYLLIUM POWDER
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	BROMOACETONE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1570	BRUCINE
			[illegible]			[illegible]	[illegible]		[illegible]	BARIUM AZIDE, WETTED with not less than 50% water, by mass
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	CACODYLIC ACID
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	CALCIUM ARSENATE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packaging provisions	Mixed packaging provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3271	ETHYLTETRAHYDROFURAN	3	II	II	3		1 l	P001 IBC02			MP19	T4	TP1 TP8
3272	ESTERS, N.O.S.	3	II	II	3		1 l	P001 IBC02			MP19	T4	TP1 TP8
3273	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	I	I	6.1		0	P001			MP2	T14	TP2 TP13
3274	ALCOHOLATES SOLUTION, N.O.S. in alcohol	3	II	II	3	279	1 l	P001 IBC02			MP19	T7	TP1
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	II	II	6.1	279	0	P001 IBC02			MP19	T7	TP1
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3277	CHLOROALKYLFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	II	II	6.1	274	0	P001 IBC02			MP19	T7	TP2 TP13
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	I	I	6.1	3 274	0	P001 IBC02			MP2	T14	TP2 TP13
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3281	METAL CARBONYLS, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3282	ORGANOMETALLIC COMPOUND, TOXIC, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3283	SELENIUM COMPOUND, N.O.S.	6.1	II	II	6.1	274	0	P002 IBC08			MP19	T7	TP2 TP13
3284	TETRAMINE	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3285	VANADIUM COMPOUND, N.O.S.	6.1	II	II	6.1	274	0	P002 IBC08			MP19	T7	TP2 TP13
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	I	I	3 6.1 8	274	1 l	P001 IBC02			MP2	T14	TP2 TP13
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	II	III	6.1	274	0	P002 IBC08			MP19	T7	TP2 TP13
3289	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3290	TOXIC SOLID, INORGANIC, N.O.S.	6.1	II	III	6.1	274	0	P002 IBC08			MP19	T7	TP2 TP13
3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. (or) MEDICAL WASTE, N.O.S.	6.2	II	II	6.2		0	P621 IBC620			MP19	T4	TP1 TP3
3292	CELLS, CONTAINING SODIUM	4.3	I	I	4.3	128	0	P003			MP2	T14	TP2 TP7
3293	HYDRAZINE, AQUEOUS SOLUTION, with more than 37% hydrazine, by mass	8	II	II	8	274	1 l	P001 IBC02			MP19	T7	TP2
3294	HYDROCYANIC ACID, SOLUTION, with not more than 5% hydrogen cyanide	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3295	HYDROCARBONS, LIQUID, N.O.S.	3	I	I	3	274	1 l	P001 IBC02			MP2	T14	TP2 TP13
3296	HEPTAFLUOROPROPANE	2	2A		2.2	274	0	P003			MP9	T50	TP5
3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE mixture, with not more than 8.8% ethylene oxide	2	2A		2.2	274	0	P003			MP9	T50	TP5
3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE mixture, with not more than 7.9% ethylene oxide	2	2A		2.2	274	0	P003			MP9	T50	TP5
3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE mixture, with not more than 5.6% ethylene oxide	2	2A		2.2	274	0	P003			MP9	T50	TP5
3300	ETHYLENE OXIDE AND CARBON DIOXIDE mixture, with more than 87% ethylene oxide	2	2F		2.3 2.1	274	0	P003			MP9	T50	TP5
3301	ETHYLENE OXIDE AND CARBON DIOXIDE mixture, with not more than 87% ethylene oxide	2	2A		2.2	274	0	P003			MP9	T50	TP5
3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	II	II	6.1		0	P001 IBC02			MP19	T7	TP2
3303	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2	2TF		2.3 2.1		0	P200			MP9	T50	TP5
3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2	2TC		2.3 8		0	P200			MP9	T50	TP5
3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	2TFC		2.3 2.1 8		0	P200			MP9	T50	TP5
3306	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2	2TO		2.3 5.1		0	P200			MP9	T50	TP5
3307	COMPRESSED GAS, TOXIC, N.O.S.	2	2T		2.3		0	P200			MP9	T50	TP5
3308	LIQUID, TOXIC, N.O.S.	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3309	LIQUID, TOXIC, N.O.S.	6.1	II	II	6.1	274	0	P001 IBC02			MP19	T7	TP2 TP13
3310	LIQUID, TOXIC, N.O.S.	6.1	III	III	6.1	274	0	P001 IBC03 LP01 R001			MP19	T4	TP1 TP13
3311	GAS, REFRIGERATED LIQUID, TOXIC, FLAMMABLE, N.O.S.	2	3TF		2.3 2.1		0	P203			MP9	T50	TP5
3312	GAS, REFRIGERATED LIQUID, TOXIC, OXIDIZING, N.O.S.	2	3TO		2.3 5.1		0	P203			MP9	T50	TP5
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	II	II	4.2	274	1 kg	P002 IBC08			MP19	T3	TP33
3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour	9	III	III	9	274	5 kg	P002 IBC08			MP19	T1	TP33
3315	CHEMICAL SAMPLE, TOXIC	6.1	I	I	6.1	274	0	P001 IBC02			MP2	T14	TP2 TP13
3316	CHEMICAL KIT	9	III	III	9	274	5 kg	P002 IBC08			MP19	T1	TP33
3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	4.1	I	I	4.1	274	0	P406			MP2	T14	TP2 TP13
3318	AMMONIA SOLUTION, with more than 50% ammonia	2	2A		2.2	274	0	P200			MP9	T50	TP5
3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	4.1	II	II	4.1	274	0	P406			MP19	T7	TP2 TP13
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION with not more than 12% sodium borohydride and not more than 40% sodium hydroxide, by mass	8	II	II	8	274	1 l	P001 IBC02			MP19	T7	TP2
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE, non-fissile or fissile-excepted	7			7	317							
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II)	7			7	317							
3323	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE, non-fissile or fissile-excepted	7			7	317							
3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III)	7			7	317							
3325	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE, non-fissile or fissile-excepted	7			7	317							
3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II)	7			7	317							
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	7			7	317							
3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7			7	317							
3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7			7	317							
3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7			7	317							
3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7			7	317							
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile-excepted	7			7	317							
3333	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non-fissile or fissile-excepted	7			7	317							
3334	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non-fissile or fissile-excepted	7			7	317							
3335	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non-fissile or fissile-excepted	7			7	317							
3336	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non-fissile or fissile-excepted	7			7	317							
3337	REFRIGERANT GAS R-404A	2	2A		2.2	274	0	P003			MP9	T50	TP5
3338	REFRIGERANT GAS R-407A	2	2A		2.2	274	0	P003			MP9	T50	TP5
3339	REFRIGERANT GAS R-407B	2	2A		2.2	274	0	P003			MP9	T50	TP5
3340	REFRIGERANT GAS R-407C	2	2A		2.2	274	0	P003			MP9	T50	TP5

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAH	TU15 TE19	AT	2 (D/E)	V10		CV13 CV28	S9 S19	60	1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID
S10AH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	1575	CALCIUM CYANIDE
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1577	CHLORODINITROBENZENES, LIQUID
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1578	CHLORONITROBENZENES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1579	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/D)			CV1 CV13 CV28	S9 S14	66	1580	CHLOROPICRIN
PxBH(M)	TA4 TT9	FL	1 (C/D)			CV9 CV10 CV36	S14	26	1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin
PxBH(M)	TA4 TT9	FL	1 (C/D)			CV9 CV10 CV36	S14	26	1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	1583	CHLOROPICRIN MIXTURE, N.O.S.
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1583	CHLOROPICRIN MIXTURE, N.O.S.
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	1583	CHLOROPICRIN MIXTURE, N.O.S.
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1585	COPPER ACETOARSENITE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1586	COPPER ARSENITE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1587	COPPER CYANIDE
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	1588	CYANIDES, INORGANIC, SOLID, N.O.S.
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1588	CYANIDES, INORGANIC, SOLID, N.O.S.
SGAH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1588	CYANIDES, INORGANIC, SOLID, N.O.S.
			1 (D)			CV9 CV10 CV36	S14		1589	CYANOGEN CHLORIDE, STABILIZED
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1590	DICHLOROANILINES, LIQUID
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	1591	o-DICHLOROBENZENE
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	1593	DICHLOROMETHANE
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1594	DIETHYL SULPHATE
L10BH	TU14 TU15 TE19 TE21	AT	1 (C/D)			CV1 CV13 CV28	S9 S14	668	1595	DIMETHYL SULPHATE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1596	DINITROANILINES
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1597	DINITROBENZENES, LIQUID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tank instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1090	ACETONE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1091	ACETONE OILS	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T4	TP1 TP8
1092	ACROLEIN, STABILIZED	6.1	TF1	I	6.1 3		0	E0	P099		MP20	T22	TP2 TP13 TP38 TP45
1093	ACRYLONITRILE, STABILIZED	3	FT1	I	3 6.1		0	E0	P001 IBC01		MP20	T14	TP2 TP13 TP38 TP45
1098	ALLYL ALCOHOL	6.1	TF1	I	6.1 3		0	E0	P001 IBC01		MP20	T14	TP2 TP13 TP38 TP45
1099	ALLYL BROMIDE	3	FT1	II	3 6.1		0	E2	P001 IBC02		MP19	T7	TP2 TP13
1100	ALLYLAMINE	6.1	TF1	I	6.1 3		0	E0	P001 IBC01		MP20	T14	TP2 TP13 TP38 TP45
1104	AMYL ACETATES	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1105	PENTANOLS	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1106	AMYLAMINE	3	FC	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1107	AMYL CHLORIDE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1108	1-PENTENE (n-AMYLENE)	3	F1	I	3		0	E0	P001 IBC01		MP20	T14	TP2 TP13
1109	AMYL FORMATES	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1110	n-AMYL METHYL KETONE	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1111	AMYL MERCAPTANS	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1112	AMYL NITRATES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1113	NITROBENZENE	6.1	TF1	II	6.1		1 L	E2	P001 IBC02		MP19	T7	TP2
1114	BENZENE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1115	GASOLINE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1116	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	TF1	I	6.1 3		0	E0	P001		MP20 MP21	T14	TP2 TP13 TP38 TP45
1117	2-CHLOROETHANOL	6.1	TF1	I	6.1		0	E0	P001 IBC01		MP20	T14	TP2 TP13 TP38 TP45
1118	CHLOROBENZENE	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1119	METHYL ACETATE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1120	BUTANOLS	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1123	BUTYL ACETATES	3	F1	III	3	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1125	n-BUTYLAMINE	3	FC	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1
1126	1-BROMOBUTANE	3	FT1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1127	CHLOROBUTANES	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1128	n-BUTYL FORMATE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1129	BUTYRALDEHYDE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1130	CAMPHOR OIL	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1131	CARBON DISULFIDE	3	FT1	I	3 6.1		0	E0	P001		MP20	T14	TP2 TP13 TP38 TP45
1133	ADHESIVES containing flammable liquid	3	F1	II	3	163 367 601	1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1134	CHLOROBENZENE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1135	ETHYLENE CHLOROHYDRIN	6.1	TF1	I	6.1 3		0	E0	P001		MP20	T14	TP2 TP13 TP38 TP45
1136	COAL TAR DISTILLATES, FLAMMABLE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1137	COAL TAR NAPHTHA SOLVENT	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	F1	II	3	163 367	1 L	E2	P001 IBC02		MP19	T7	TP1 TP8
1140	BUTADIENES STABILIZED	2	F		2.1		0	E0	P200		MP9	T50	
1141	BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED containing more than 40% butadienes	2	F		2.1		0	E0	P200		MP9	T50	
1142	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, FLASH-POINT LESS THAN 23 °C	6.1	TF1	I	6.1 3	6	0	E0	P001		MP20 MP21	T14	TP2 TP13 TP38 TP45
1143	CROTONALDEHYDE, STABILIZED	6.1	TF1	I	6.1 3		0	E0	P001		MP20	T14	TP2 TP13 TP38 TP45
1144	CROTONYLENE	2	F		2.1		0	E0	P200		MP9	T50	
1145	CYCLOHEXANE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1146	CYCLOPENTANE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1147	DECAHYDRONAPHTHALENE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1148	DIACETONE ALCOHOL	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1149	DIBUTYL ETHERS	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1150	1,2-DICHLOROETHYLENE	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1152	DICHLOROPENTANES	3	F1	II	3		1 L	E2	P001 IBC02		MP19	T7	TP1
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1154	DIETHYLAMINE	3	FC	II	3 8		1 L	E2	P001 IBC02		MP19	T7	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH	TU15 TE19	AT	2 (D/E)	V12		CV13 CV28	S9 S19	60	1597	DINITROBENZENES, LIQUID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1598	DINITRO-o-CRESOL
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1599	DINITROPHENOL SOLUTION
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	1599	DINITROPHENOL SOLUTION
L4BH	TU15 TE19	AT	0 (D/E)			CV13 CV28	S9 S19	60	1600	DINITROTOLUENES, MOLTEN
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	1601	DISINFECTANT, SOLID, TOXIC, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1601	DISINFECTANT, SOLID, TOXIC, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1601	DISINFECTANT, SOLID, TOXIC, N.O.S.
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.
L4BH	TU15 TE19	FL	2 (D/E)			CV13 CV28	S2 S9 S19	63	1603	ETHYL BROMOACETATE
L4BN		FL	2 (D/E)				S2	83	1604	ETHYLENEDIAMINE
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	1605	ETHYLENE DIBROMIDE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1606	FERRIC ARSENATE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1607	FERRIC ARSENITE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1608	FERROUS ARSENATE
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	1611	HEXAETHYL TETRAPHOSPHATE
CxBH(M)	TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	26	1612	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE
L15DH(+)	TU14 TU15 TE19 TE21	FL	0 (D)			CV1 CV13 CV28	S2 S9 S14	663	1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide
			0 (D)			CV1 CV13 CV28	S2 S9 S10 S14		1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	1616	LEAD ACETATE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1617	LEAD ARSENATES
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	1618	LEAD ARSENITES

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.2.3.1.5	5.2.2	3.3.1	3.4	3.4.6.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.1	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1058	LIQUEFIED GASES	2.1	1F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1062	METHYL BROMIDE	2.3	2TC	II		11	30 kg	0	P200 LP200	PP4	MP19	T50	TP4
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1064	METHYL MERCAPTAN	2.3	2TF	I			30 kg	0	P200 LP200	PP4	MP19	T50	TP4
1065	NEON, COMPRESSED	2.2	1A				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1066	NITROGEN, COMPRESSED	2.2	1A				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	2TOC	I			0	0	P200		MP2	T50	TP4
1069	NITROSYL CHLORIDE	2.3	2TC	I			0	0	P200		MP2	T50	TP4
1070	NITROUS OXIDE	2.2	1O				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1071	OIL GAS, COMPRESSED	2.3	2TF	I			0	0	P200		MP2	T50	TP4
1072	OXYGEN, COMPRESSED	2.2	1O				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1073	OXYGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	2.2	3O				120 L	120 L	P203		MP22	T75	TP5
1075	PETROLEUM GASES, LIQUEFIED	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1076	PHOSGENE	2.3	2TC	I			0	0	P200		MP2	T50	TP4
1077	PROPYLENE	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1078	REFRIGERANT GAS, N.O.S.	2.2	1A				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1079	SULPHUR DIOXIDE	2.3	2TC	I			0	0	P200		MP2	T50	TP4
1080	SULPHUR HEXAFLUORIDE	2.2	1A				120 L	120 L	P200 LP200	PP4	MP19	T50	TP4
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1082	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1083	TRIMETHYLAMINE, ANHYDROUS	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1085	VINYL BROMIDE, STABILIZED	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1086	VINYL CHLORIDE, STABILIZED	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1087	VINYL METHYL ETHER, STABILIZED	2.1	2F	II			30 kg	1 L	P200 LP200	PP4	MP19	T50	TP4
1088	ACETAL	3	1F	II			1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
1089	ACETALDEHYDE	3	1F	I			0	0	P001		MP19 MP7	T4	TP1
1090	ACETONE	3	1F	II			5 L	1 L	P001		MP19	T4	TP1
1091	ACETONE OILS	3	1F	II			5 L	1 L	P001		MP19	T4	TP1
1092	ACROLEIN, STABILIZED	6.1	1TF	I			0	0	P001		MP2	T14	TP2 TP13
1093	ACRYLONITRILE, STABILIZED	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1098	ALLYL ALCOHOL	6.1	2TF	I			0	0	P001		MP2	T14	TP2 TP13
1099	ALLYL BROMIDE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1100	ALLYLAMINE	6.1	2TF	I			0	0	P001		MP2	T14	TP2 TP13
1104	AMYL ACETATES	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1105	PENTANOLS	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1106	AMYLAMINE	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1107	AMYL CHLORIDE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1108	1-PENTENE (n-AMYLENE)	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1109	AMYL FORMATES	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1110	n-AMYL METHYL KETONE	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1111	AMYL MERCAPTAN	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1112	AMYL NITRATE	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1113	AMYL NITRITE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1114	BENZENE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1115	BENZENE (BENZOL) MIXTURES, (BENZOL MIXTURES)	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1116	BENZENEDICARBOXYLIC ACID ESTERS	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1117	2-BROMOETHANOL	6.1	2TF	I			0	0	P001		MP2	T14	TP2 TP13
1119	BUTYL ACETATES	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1120	BUTANOLS	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1123	BUTYL FORMATES	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1125	n-BUTYLAMINE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1126	1-BROMOBUTANE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1127	CHLOROBUTANES	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1128	n-BUTYL FORMATE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1129	BUTYRALDEHYDE	3	1F	II			1 L	1 L	P001 IBC02		MP19	T7	TP1
1130	CAMPHOR OIL	3	1F	III			5 L	5 L	P001 IBC03		MP19	T4	TP1
1131	CARBON DISULPHIDE	3	1F	I			0	0	P001		MP2	T14	TP2 TP13
1133	ADHESIVES containing flammable liquid	3	1F	II		640	1 L	1 L	P001 IBC02		MP19	T7	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Bulk	Loading, unloading and handling	Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1620	LEAD CYANIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1621	LONDON PURPLE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1622	MAGNESIUM ARSENATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1623	MERCURIC ARSENATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1624	MERCURIC CHLORIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1625	MERCURIC NITRATE
S10AH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9S14	66	1626	MERCURIC POTASSIUM CYANIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1627	MERCUROUS NITRATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1629	MERCURY ACETATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1630	MERCURY AMMONIUM CHLORIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1631	MERCURY BENZOATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1634	MERCURY BROMIDES
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1636	MERCURY CYANIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1637	MERCURY GLUCONATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1638	MERCURY IODIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1639	MERCURY NUCLEATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1640	MERCURY OLEATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1641	MERCURY OXIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1642	MERCURY OXYCYANIDE, DESENSITIZED
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1643	MERCURY POTASSIUM IODIDE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1644	MERCURY SALICYLATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1645	MERCURY SULPHATE
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1646	MERCURY THIOCYANATE
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/D)			CV1 CV13 CV28	S9S14	66	1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID
LGBF		FL	2 (D/E)				S2S20	33	1648	ACETONITRILE
L10CH	TU14 TU15 TE19 TE21 TT6	AT	1 (C/D)			CV1 CV13 CV28	S9S14	66	1649	MOTOR FUEL ANTI-KNOCK MIXTURE
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1650	beta-NAPHTHYLAMINE, SOLID
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1651	NAPHTHYLTHIOUREA
SGAH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1652	NAPHTHYLUREA
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9S19	60	1653	NICKEL CYANIDE
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9S19	60	1654	NICOTINE
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9S14	66	1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.1	4.1.4	4.1.4	4.1.10	4.2.5.1 3.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1655	NICOTINE COMPOUND SOLID NOS or NICOTINE PREPARATION SOLID NOS	6.1	2	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1655	NICOTINE COMPOUND SOLID NOS or NICOTINE PREPARATION SOLID NOS	6.1	2	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1656	NICOTINE HYDROCHLORIDE LIQUID or SOLUTION	6.1	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		
1656	NICOTINE HYDROCHLORIDE LIQUID or SOLUTION	[illegible]	[illegible]	[illegible]	6.1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		
1657	NICOTINE SALICYLATE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1658	NICOTINE SULPHATE SOLUTION	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1658	NICOTINE SULPHATE SOLUTION	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1659	NICOTINE TARTRATE	[illegible]	[illegible]		6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1660	NITRIC OXIDE COMPRESSED		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		
1661	NITROANILINES (o-, m-, p-)	[illegible]	[illegible]		6.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1662	NITROBENZENE	[illegible]	[illegible]	[illegible]	6.1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1663	NITROPHENOLS (o-, m-, p-)	[illegible]	[illegible]	[illegible]	6.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1664	NITROTOLUENES, LIQUID	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1665	NITROXYLENES, LIQUID	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1666	PENTACHLOROETHANE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1667	PERCHLOROMETHYL MERCAPTAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1668	PHENOL SOLID	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1669	PHENYLCARBYLAMINE CHLORIDE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1670	PHENYLENEDIAMINES (o-, m-, p-)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1671	PHENYLMERCURIC ACETATE	[illegible]	[illegible]	[illegible]	6.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1672	POTASSIUM ARSENATE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1673	POTASSIUM ARSENITE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1674	POTASSIUM CYPRIDYANIDE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1676	POTASSIUM CYANIDE SOLID	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
1677	POTASSIUM ARSENITE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1678	POTASSIUM CYANIDE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1679	POTASSIUM ARSENITE	[illegible]	[illegible]	[illegible]	6.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		5.4.2
(5)(6)	(7)(8)	(9)(10)	(11)(12)	(13)(14)	(15)(16)	(17)(18)	(19)	(20)	(21)	(22)
S1.5D L1.5D	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1965	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
S1.5D L1.5D	[illegible]	AT	2 (D)		AT	CV13 CV33	S1.5D	60	1065	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BN	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BN	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
S1.5D L4BN	[illegible]	AT	2 (D)	A		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
L4BN	[illegible]	AT	2 (D)			CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
L4BN	[illegible]	AT	2 (D)	A		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
S1.5D L4BN	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
			(D)			CV13 CV33	S1.5D		1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
S1.5D L4BN	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)			CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
S1.5D L4BH	[illegible]	AT	2 (D)		AT	CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)
L4BH	[illegible]	AT	2 (D)	AT		CV13 CV33	S1.5D	60	1977	NITROGEN, REFRIGERATED LIQUID (CRYOGENIC LIQUID)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.1.2	4.2.5.1
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1686	SODIUM ARSENITE AQUEOUS SOLUTION	6.1	14	11	6.1	15	100 ml	14	P002 IBC02		MP15	1	[illegible]
1686	SODIUM ARSENITE AQUEOUS SOLUTION	6.1	13	11	6.1	41	11	11	P001 IBC02 Ltd Ltd Ltd		MP15	11	12
1687	SODIUM AZIDE	6.1	15	11	6.1		[illegible]	[illegible]	P002 IBC06	11	MP1		
1688	SODIUM CACODYLATE	6.1	14	11	6.1		500 g	14	P002 IBC02	14	MP15	11	[illegible]
1689	SODIUM CYANIDE, SOLID	6.1	15		6.1		1	15	P002 IBC07		MP15	15	[illegible]
1690	SODIUM FLUORIDE, SOLID	6.1	15	11	6.1		[illegible]	11	P002 IBC06 Ltd Ltd Ltd	11	MP15	1	[illegible]
1691	STRONTIUM ARSENITE	6.1	15	11	6.1		500 g	14	P002 IBC06	14	MP15	11	[illegible]
1692	STRYCHNINE or STRYCHNINE SALTS	6.1	12	1	6.1		1	[illegible]	P001 IBC02		MP15	1	[illegible]
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	1	1	6.1	274	1	11	P001		MP15 MP17		
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	1	11	6.1	274	1	14	P001 IBC02		MP15		
1694	BROMOBENZYL CYANIDES, LIQUID	6.1	1	1	6.1	135	1	11	P001		MP15 MP17	114	107
1695	CHLOROACETONE, STABILIZED	6.1	1	1	6.1 [illegible]	274	1	10	P002		MP15 MP17	170	107 [illegible]
1697	CHLOROACETOPHENONE, SOLID	6.1	12	11	6.1		1	14	P002 IBC06	14	MP15	11	[illegible]
1698	DIPHENYLAMINE CHLOROARSINE	6.1	11	1	6.1		1	15	P002		MP15	6	[illegible]
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	11	1	6.1		1	15	P001		MP15 MP17		
1700	TEAR GAS CANDLES	6.1	11	1	6.1 [illegible]		1	10	P110				
1701	XYLYL BROMIDE, LIQUID	6.1	1	11	6.1		1	14	P001 IBC02		MP15	17	107
1702	1,1,2,2-TETRACHLOROETHANE	6.1	1	11	6.1		100 ml	14	P001 IBC02		MP15	17	10
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	1	11	6.1	13	100 ml	14	P001 IBC02		MP15	1	10
1707	THALLIUM COMPOUND, N.O.S.	6.1	15	11	6.1	45 274	500 g	14	P002 IBC06	14	MP15	11	[illegible]
1708	TOLUIDINES, LIQUID	6.1	1	11	6.1	274	100 ml	14	P001 IBC02		MP15	17	102
1709	2,4-TOLUYLENE-DIAMINE, SOLID	6.1	11	1	6.1		1 kg	11	P002 IBC06 Ltd Ltd Ltd	11	MP15	1	[illegible]
1710	TRICHLOROETHYLENE	6.1	11	11	6.1		51	11	P001 IBC05 Ltd Ltd Ltd		MP15	11	[illegible]
1711	XYLIDINES, LIQUID	6.1	12	11	6.1		100 ml	11	P001 IBC02		MP15	17	[illegible]
1712	ZINC ARSENATE, ZINC ARSENITE or ZINC ARSENATE AND ZINC ARSENITE, MIXTURE	6.1	15	11	6.1		500 g	14	P002 IBC06	15	MP10	11	[illegible]
1713	ZINC CYANIDE	6.1	15	1	6.1		1	15	P002 IBC07		MP15	11	[illegible]
1714	ZINC PHOSPHIDE	6.1	W77	1	6.1 6.1		[illegible]	11	P002		MP15		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	SODIUM ARSENITE, AQUEOUS SOLUTION
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SODIUM ARSENITE, AQUEOUS SOLUTION
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	SODIUM AZIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SODIUM CACODYLATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SODIUM FLUORIDE, SOLID
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]			[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk cargo: Instructions	Portable tanks and bulk cargo: Special provisions
	3.1.2	2.2	2.2	2.0.1.1	5.2.2	5.5	3.1	1.5.1.2	4.1.4	4.0.4	4.1.10	4.2.5.2 2.5.2	4.2.5.5
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1715	ACETIC ANHYDRIDE	8	CT1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1716	ACETYL BROMIDE	8	C1	II	8		1	1	P001 IBC02		MP15	T6	TP2
1717	ACETYL CHLORIDE	3	3	II	8		1	1	P001 IBC02		MP19	T7	TP2
1718	BUTYL ACID PHOSPHATE	8	C3	III	8		5	1	P001 IBC03 LP01 R001		MP19	T1	
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	II	8	274	1	1	P001 IBC02		MP15	T7	TP2 TP2
1720	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	III	8	274	5	1	P001 IBC03 R001		MP19	T7	TP2 TP3
1721	ALKYL CHLOROFORMATE	1	TF2	I	8		0	1	P001		MP15 MP17	T4	T2
1723	ALKYL IODIDE	3	3	II	8		1	1	P001 IBC02		MP19	T7	TP2
1724	ALLYL BROMIDE, ANHYDROUS	8	CT1	II	8		0	1	P001		MP15	T7	TP2 TP2
1725	ALUMINIUM BROMIDE, ANHYDROUS	8	C1	II	8	358	1 kg	1	P002 IBC02	B4	MP19	T7	TP2
1726	ALUMINIUM CHLORIDE, ANHYDROUS	8	C1	II	8	358	1 kg	1	P002 IBC02	B4	MP19	T7	TP2
1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	C1	II	8		1 kg	1	P002 IBC02	B4	MP19	T7	TP2
1728	AMYLTRICHLOROSILANE	8	C1	II	8		0	1	P001		MP15	T7	TP2 TP2
1731	ANTIMONY CHLORIDE	8	C1	II	8		1 kg	1	P002 IBC02	B4	MP19	T7	TP2
1732	ANTIMONY PENTAFLUORIDE	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1733	ANTIMONY TRICHLORIDE	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1734	ANTIMONY PENTACHLORIDE, SOLUTION	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1735	ANTIMONY PENTACHLORIDE, SOLUTION	8	C1	III	8		5	1	P001 IBC03 LP01 R001		MP19	T4	TP2
1736	ANTIMONY PENTAFLUORIDE	8	C1	I	8		1	1	P001 IBC02		MP15	T7	TP2
1737	ANTIMONY TRICHLORIDE	8	C1	I	8		5	1	P001 IBC02	B4	MP19	T7	TP2
1738	BENZYL BROMIDE	8	C1	I	8		1	1	P001 IBC02		MP15	T7	TP2
1739	BENZYL BROMIDE	8	C1	I	8		0	1	P001 IBC02		MP15	T7	TP2
1740	BENZYL CHLORIDE	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1741	BENZYL CHLORIDE	8	C1	II	8		5	1	P001 IBC02	B4	MP19	T7	TP2
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	C1	II	8		1	1	P001 IBC02		MP15	T7	TP2

UN number		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	LQ	EQ	Name and description
Tank codes	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation				
5.3	6.7.5, 6.8.4	9.1.1.2	8.6, 8.7, 8.8 (8.9)	7.2.4	7.3.3	8.5.1.1	8.5	5.3.2.3.1			3.4.2
(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1400		T1	1 (-)				S	S1	0	E0	ALUMINIUM POWDER, UNCOATED
1402		T1	2 (-)					S	0	E0	CALCIUM CARBIDE
1403		T1	2 (-)				S-F, S-I	S1	0	E0	CALCIUM CYANAMIDE
1405		T1	1 (-)	S 15				S1	E0	E0	SILICON CARBIDE, UNCOATED
1407		T1	2 (-)					S	E0	E0	CAESIUM METAL
1408		T1	1 (-)	S 12				S1	E0	E0	FERROSILICON, WITH 30 % OR MORE BUT LESS THAN 90 % SILICON
1409		T1	1 (-)			LS1 CS1 SW2	S-F, S-I, S-V	S1	E0	E0	METAL HYDRIDES, WATER-REACTIVE
1410		T1	2 (D)				S-F, S-I	S1	E0	E0	LITHIUM ALUMINIUM HYDRIDE
1411		T1	2 (D)				S	S1	E0	E0	LITHIUM ALUMINIUM HYDRIDE, ETHERATE
1413		T1	2 (D)				S-F, S-I	S1	E0	E0	LITHIUM BOROHYDRIDE
1414		T1	2 (D)				S	S1	E0	E0	LITHIUM HYDRIDE
1417		T1	2 (D)	S 11				S1	E0	E0	LITHIUM SILICON
1418		T1	2 (D)	S 11				S1	E0	E0	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER
1419		T1	2 (D)	S 11				S1	E0	E0	MAGNESIUM ALUMINIUM PHOSPHIDE
1420		T1	2 (D)					S1	E0	E0	POTASSIUM METAL ALLOYS, SOLID
1421		T1	2 (D)	S 11				S1	E0	E0	ALKALI METAL ALLOY, LIQUID, N.O.S.
1422		T1	2 (D)					S1	E0	E0	POTASSIUM SODIUM ALLOYS
1423		T1	2 (D)					S1	E0	E0	RUBIDIUM
1426		T1	2 (D)					S1	E0	E0	SODIUM BOROHYDRIDE
1427		T1	2 (D)					S1	E0	E0	SODIUM HYDRIDE
1428		T1	2 (D)					S1	E0	E0	SODIUM
1431		T1	2 (D)					S1	E0	E0	SODIUM METHYLATE
1432		T1	2 (D)					S1	E0	E0	SODIUM PHOSPHIDE
1433		T1	2 (D)					S1	E0	E0	STANNIC PHOSPHIDES
1435		T1	2 (D)					S1	E0	E0	ZINC ASHES
1436		T1	2 (D)					S1	E0	E0	ZINC POWDER or ZINC DUST
1437		T1	2 (D)					S1	E0	E0	ZIRCONIUM HYDRIDE
1438		T1	2 (D)					S1	E0	E0	ALUMINIUM NITRATE
1439		T1	2 (D)					S1	E0	E0	AMMONIUM DICHROMATE
1442		T1	2 (D)					S1	E0	E0	AMMONIUM PERCHLORATE
1444		T1	2 (D)					S1	E0	E0	AMMONIUM PERSULPHATE
1445		T1	2 (D)					S1	E0	E0	BARIUM CHLORATE, SOLID
1446		T1	2 (D)					S1	E0	E0	BARIUM NITRATE
1447		T1	2 (D)					S1	E0	E0	BARIUM PERCHLORATE, SOLID
1448		T1	2 (D)					S1	E0	E0	BARIUM PERMANGANATE
1449		T1	2 (D)					S1	E0	E0	BARIUM PEROXIDE
1450		T1	2 (D)					S1	E0	E0	BROMATES, INORGANIC, N.O.S.
1451		T1	2 (D)					S1	E0	E0	CAESIUM NITRATE
1452		T1	2 (D)					S1	E0	E0	CALCIUM CHLORATE
1453		T1	2 (D)					S1	E0	E0	CALCIUM CHLORITE
1454		T1	2 (D)					S1	E0	E0	CALCIUM NITRATE
1455		T1	2 (D)					S1	E0	E0	CALCIUM PERCHLORATE
1456		T1	2 (D)					S1	E0	E0	CALCIUM PERMANGANATE
1457		T1	2 (D)					S1	E0	E0	CALCIUM PEROXIDE
1458		T1	2 (D)					S1	E0	E0	CHLORATE AND BORATE MIXTURE
1459		T1	2 (D)					S1	E0	E0	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID
1461		T1	2 (D)					S1	E0	E0	CHLORATES, INORGANIC, N.O.S.
1462		T1	2 (D)					S1	E0	E0	CHLORITES, INORGANIC, N.O.S.
1463		T1	2 (D)					S1	E0	E0	CHROMIUM TRIOXIDE, ANHYDROUS
1465		T1	2 (D)					S1	E0	E0	DIDYMIUM NITRATE
1466		T1	2 (D)					S1	E0	E0	FERRIC NITRATE
1467		T1	2 (D)					S1	E0	E0	GUANIDINE NITRATE
1469		T1	2 (D)					S1	E0	E0	LEAD NITRATE
1470		T1	2 (D)					S1	E0	E0	LEAD PERCHLORATE, SOLID
1471		T1	2 (D)					S1	E0	E0	LITHIUM HYPOCHLORITE, DRY
1472		T1	2 (D)					S1	E0	E0	LITHIUM PEROXIDE
1473		T1	2 (D)					S1	E0	E0	MAGNESIUM BROMATE
1474		T1	2 (D)					S1	E0	E0	MAGNESIUM NITRATE
1475		T1	2 (D)					S1	E0	E0	MAGNESIUM PERCHLORATE
1476		T1	2 (D)					S1	E0	E0	MAGNESIUM PEROXIDE
1477		T1	2 (D)					S1	E0	E0	NITRATES, INORGANIC, N.O.S.
1479		T1	2 (D)					S1	E0	E0	OXIDIZING SOLID, N.O.S.
1481		T1	2 (D)					S1	E0	E0	PERCHLORATES, INORGANIC, N.O.S.
1482		T1	2 (D)					S1	E0	E0	PERMANGANATES, INORGANIC, N.O.S.
1483		T1	2 (D)					S1	E0	E0	PEROXIDES, INORGANIC, N.O.S.
1484		T1	2 (D)					S1	E0	E0	POTASSIUM BROMATE
1485		T1	2 (D)					S1	E0	E0	POTASSIUM CHLORATE
1486		T1	2 (D)					S1	E0	E0	POTASSIUM NITRATE
1487		T1	2 (D)					S1	E0	E0	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE
1488		T1	2 (D)					S1	E0	E0	POTASSIUM NITRITE
1489		T1	2 (D)					S1	E0	E0	POTASSIUM PERCHLORATE
1490		T1	2 (D)					S1	E0	E0	POTASSIUM PERMANGANATE
1491		T1	2 (D)					S1	E0	E0	POTASSIUM PEROXIDES
1492		T1	2 (D)					S1	E0	E0	POTASSIUM PERSULPHATE
1493		T1	2 (D)					S1	E0	E0	SILVER NITRATE
1494		T1	2 (D)					S1	E0	E0	SODIUM ARSENITE, AQUEOUS SOLUTION
1495		T1	2 (D)					S1	E0	E0	SODIUM CHLORATE
1496		T1	2 (D)					S1	E0	E0	SODIUM CHLORITE SOLUTION
1498		T1	2 (D)					S1	E0	E0	SODIUM NITRATE
1499		T1	2 (D)					S1	E0	E0	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE
1500		T1	2 (D)					S1	E0	E0	SODIUM NITRITE
1502		T1	2 (D)					S1	E0	E0	SODIUM PERCHLORATE
1503		T1	2 (D)					S1	E0	E0	SODIUM PERMANGANATE
1504		T1	2 (D)					S1	E0	E0	SODIUM PEROXIDE
1505		T1	2 (D)					S1	E0	E0	SODIUM PERSULPHATE
1506		T1	2 (D)					S1	E0	E0	STRONTIUM CHLORATE
1507		T1	2 (D)					S1	E0	E0	STRONTIUM NITRATE
1508		T1	2 (D)					S1	E0	E0	STRONTIUM PERCHLORATE
1509		T1	2 (D)					S1	E0	E0	STRONTIUM PEROXIDE

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provision	Limited and excepted		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3340	2-NITROBENZOTRIFLUORIDE	6.1	T1	III	6.1		5 kg	E1	P001 IBC03		MP19	T7	TP1 TP28
3341	THIOACETIC ACID	6.1	TF1	II	6.1 3		0	E2	P001 IBC02		MP19	T7	TP2
3342	XANTHATES	4.2	SW	II	4.2		0	E2	P002 IBC06		MP19	T3	TP33
3343	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1 % nitroglycerin	3	F1	II	3		0	E2	P001		MP19	T4	TP1
3344	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7 mass % phlegmatizer	4.1	D	II	4.1	118	0	E2	P002 IBC06	PP84	MP19	T3	TP33
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	TF1	I	6.1		0	E4	P002 IBC08		MP19	T7	TP2 TP28
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC, FLAMMABLE	6.1	TF2	I	6.1 3		0	E4	P002 IBC08		MP19	T7	TP2 TP28
3347	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	TF1	I	6.1		0	E4	P002 IBC08		MP19	T7	TP2 TP28
3348	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	C2	II	8		0	E2	P002 IBC08		MP19	T3	TP33
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	TF1	I	6.1		0	E4	P002 IBC08		MP19	T7	TP2 TP28
3350	PYRETHROID PESTICIDE, SOLID, TOXIC, FLAMMABLE	6.1	TF2	I	6.1 3		0	E4	P002 IBC08		MP19	T7	TP2 TP28
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	TF1	I	6.1		0	E4	P001 IBC02		MP19	T7	TP2 TP28
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	TF2	I	6.1 3		0	E4	P001 IBC02		MP19	T7	TP2 TP28
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2	5F		2.1		0	E0	P200		MP9	T50	TP1
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2	5TF		2.3 2.1		0	E0	P200		MP9	T50	TP1
3356	GENERATOR, CHEMICAL OXYGEN	5.1	O2	II	5.1	117	0	E0	P503		MP9	T3	TP33
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30 % nitroglycerin by mass	3	F1	II	3		0	E2	P001		MP19	T4	TP1
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2	6F		2.1		0	E0	P003		MP9	T50	TP1
3359	FUMIGATED UNIT	9	M11		9		0	E0	P904		MP9	T50	TP1
3360	SODIUM FLUORIDE, SOLID, TOXIC	6.1	T1	III	6.1		5 kg	E1	P002 IBC08		MP19	T7	TP33
3361	DIMETHYLCHLOROSILANE	8	CF1	II	8 3		0	E2	P001 IBC02		MP19	T10	TP2 TP13
3362	ETHYLTRICHLOROSILANE	8	CF1	II	8 3		0	E2	P001 IBC02		MP19	T10	TP2 TP13
3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9	M11		9		0	E0	P906		MP9	T50	TP1
3364	1,3,5-TRIMETHYLBENZENE	3	F1	III	3		5 L	E1	P001 IBC03		MP19	T2	TP1
3365	1,3,5-TRIMETHYLBENZENE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3366	METHYLDICHLOROSILANE	8	CF1	II	8 3		0	E2	P001 IBC02		MP19	T10	TP2 TP13
3367	TRIMETHYLCHLOROSILANE	8	CF1	II	8 3		0	E2	P001 IBC02		MP19	T10	TP2 TP13
3368	TRIMETHYLCHLOROSILANE	8	CF1	III	8 3		0	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3369	CHLOROACETONE (STABILIZED)	6	TF1	I	6		0	E4	P001		MP19	T14	TP2 TP13
3370	2-METHYLBUTENE	3	F1	I	3	274	0	E0	P001 IBC01		MP19	T4	TP1
3371	2-METHYLBUTENE	3	F1	II	3	274	0	E2	P001 IBC02		MP19	T7	TP2
3372	2-METHYLBUTENE	3	F1	III	3	274	0	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3373	CHLOROACETONE	6	TF1	I	6		0	E4	P001		MP19	T14	TP2 TP13
3374	ACETYLENE, SOLVENT FREE	2	5F		2.1		0	E0	P200		MP9	T50	TP1
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	5	O1	II	5.1	309	0	E2	P099		MP19	T3	TP33
3376	4-NITROPHENYLHYDRAZINE with not less than 30 % water, by mass	4	D	II	4.1	309	0	E2	P002 IBC06		MP19	T3	TP33
3377	SODIUM PERBORATE MONOHYDRATE	5	O2	III	5.1	309	0	E1	P002 IBC08 LP02 R001		MP19	T1	TP33

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	AT	[illegible]			[illegible]	[illegible]	886	1744	BROMINE or BROMINE SOLUTION
[illegible]	[illegible]	AT	[illegible]			[illegible]	[illegible]	568	1745	BROMINE PENTAFLUORIDE
[illegible]	[illegible]	AT	[illegible]			[illegible]	[illegible]	568	1746	BROMINE TRIFLUORIDE
[illegible]		[illegible]	[illegible]				[illegible]	X83	1747	BUTYLTRICHLOROSILANE
SGAN	[illegible]	AT	[illegible]	[illegible]		[illegible]		50	1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39 % available chlorine ([illegible] available oxygen)
SGAV	[illegible]	AT	[illegible]			[illegible]		50	1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39 % available chlorine ([illegible] available oxygen)
[illegible]	[illegible]	AT	[illegible]			[illegible]	[illegible]	265	1749	CHLORINE TRIFLUORIDE
[illegible]	[illegible]	AT	2 ([illegible])			[illegible]	[illegible]	68	1750	CHLOROACETIC ACID SOLUTION
SGAN	[illegible]	AT	2 ([illegible])	V11		[illegible]	[illegible]	68	1751	CHLOROACETIC ACID, SOLID
[illegible]	[illegible]	AT	[illegible]			[illegible]	[illegible]	668	1752	CHLOROACETYL CHLORIDE
[illegible]		AT	2 ([illegible])					X80	1753	CHLOROPHENYLTRICHLOROSILANE
[illegible]		AT	[illegible]				[illegible]	X88	1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)
L4BN		AT	2 ([illegible])					80	1755	CHROMIC ACID SOLUTION
L4BN		AT	3 ([illegible])					80	1755	CHROMIC ACID SOLUTION
SGAN		AT	2 ([illegible])	[illegible]				80	1756	CHROMIC FLUORIDE, SOLID
L4BN		AT	2 ([illegible])					80	1757	CHROMIC FLUORIDE SOLUTION
L4BN		AT	3 ([illegible])	[illegible]				80	1757	CHROMIC FLUORIDE SOLUTION
[illegible]		AT	1 ([illegible])				[illegible]	X88	1758	CHROMIUM OXYCHLORIDE
[illegible]		AT	1 ([illegible])	V10			[illegible]	88	1759	CORROSIVE SOLID, N.O.S.
SGAN L4BN		AT	2 ([illegible])	V11				80	1759	CORROSIVE SOLID, N.O.S.
SGAV L4BN		AT	3 ([illegible])		VV9			80	1759	CORROSIVE SOLID, N.O.S.
[illegible]		AT	1 ([illegible])				[illegible]	88	1760	CORROSIVE LIQUID, N.O.S.
L4BN		AT	2 ([illegible])					80	1760	CORROSIVE LIQUID, N.O.S.
L4BN		AT	3 ([illegible])	[illegible]				80	1760	CORROSIVE LIQUID, N.O.S.

UN No.	Name and description	Class / Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)	(10)	(11)
1751	CHLOROACETYLCHLORIDE	6.1	I	6.1		1	1 L	P001 IBC01		MP15	T7	TP2
1752	CHLOROACETYLCHLORIDE, SOLUTION	6.1	I	6.1		1	1 L	P001 IBC01		MP15	T7	TP2 TP13
1753	CHLOROACETYLCHLORIDE, SOLUTION	6.1	II	6.1		1	1 L	P001 IBC02		MP15	T7	TP2 TP13
1754	CHLOROSULFONIC ACID (with or without sulphur trioxide)	8	I	8			0	P001		MP15	T10	TP2 TP13
1755	CHROMIC ACID SOLUTION	8	I	8			0	P001 IBC08		MP15	T10	TP2 TP13
1756	CHLOROFLUORIC ACID (with more than 9% hydrofluoric acid)	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1757	CHLOROFLUORIC ACID SOLUTION (with more than 9% hydrofluoric acid)	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1758	CHROMIUM OXYCHLORIDE	8	I	8			0	P001 IBC08		MP15	T10	TP2 TP13
1759	CHLOROSILANES, CORROSIVE, N.O.S.	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1760	CHLOROSILANES, CORROSIVE, N.O.S.	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1762	CYCLOHEXENYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1763	CYCLOHEXYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1764	DICHLOROACETIC ACID	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1765	DICHLOROACETYL CHLORIDE	8	I	8			0	P001 IBC08		MP15	T10	TP2 TP13
1766	DICHLOROPHENYLTRICHLOROSILANE	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1767	DIETHYLDICHLOROSILANE	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1769	DIPHENYLDICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1770	DIPHENYLMETHYL BROMIDE	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1771	DODECYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1772	FLUOROSULFONIC ACID	8	I	8			0	P001 IBC08		MP15	T10	TP2 TP13
1773	FERRIC CHLORIDE, ANHYDROUS	8	III	8			1 kg	P002 IBC08 LP02 R001	PP10	MP15	T7	TP2 TP13
1774	FIRE EXTINGUISHER CHARGES (corrosive liquid)	8	II	8			1 L	P001 IBC02	PP10			
1775	FLUOROBORIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	II	8			1 L	P001 IBC02		MP15	T7	TP2
1777	FLUOROSULFONIC ACID	8	I	8			0	P001		ATEX MP15	T10	TP2
1778	FLUOROSILICIC ACID	8	III	8			1 L	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1779	FORMIC ACID with more than 85% acid by mass	8	II	8			1 L	P001 IBC02		MP15	T7	TP2
1780	FUMARYL CHLORIDE	8	II	8			0	P001 IBC02		MP15	T10	TP2
1781	HEXADECYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1782	HEXAFLUOROPHOSPHORIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1784	HEXYLTRICHLOROSILANE	8	II	8			0	P001 IBC02		MP15	T10	TP2 TP13
1785	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	I	8			0	P001		ATEX MP15	T10	TP2
1786	HYDROFLUORIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2
1787	HYDRIODIC ACID	8	II	8			1 L	P001 IBC02 LP01 R001		MP15	T7	TP2
1788	HYDROBROMIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1789	HYDROCHLORIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1790	HYDROFLUORIC ACID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1791	HYPOCHLORITE SOLUTION	8	III	8			5 L	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1792	IODINE MONOCHLORIDE	8	II	8			1 L	P001 IBC02		MP15	T7	TP2 TP13
1793	ISOPROPYL ACID PHOSPHATE	8	III	8			5 L	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1794	LEAD SULPHATE with more than 3% free acid	8	III	8			5 kg	P002 IBC08 LP02 R001		MP15	T7	TP2 TP13
1795	LEAD HEXAFLUOROSILICATE	8	III	8			5 kg	P002 IBC08 LP02 R001		MP15	T7	TP2 TP13
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	II	8			0	P001		ATEX MP15	T10	TP2
1797	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	II	8			0	P001		ATEX MP15	T10	TP2
1798	NITROHYDROCHLORIC ACID	8	II	8			0	P001		ATEX MP15	T10	TP2
1799	NONYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1800	OCTADECYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1801	OCTYLTRICHLOROSILANE	8	III	8			0	P001 IBC03 LP01 R001		MP15	T7	TP2 TP13
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	II	8			0	P001 IBC02		MP15	T10	TP2
1803	PHENOLSULPHONIC ACID, LIQUID	8	II	8			1 L	P001 IBC02		MP15	T7	TP2

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BN		AT	2 (E)			CV13 CV28		86	1761	CUPRIETHYLENEDIAMINE SOLUTION
L4BN		AT	3 (E)	V12		CV13 CV28		86	1761	CUPRIETHYLENEDIAMINE SOLUTION
L4BN		AT	2 (E)					X80	1762	CYCLOHEXENYLTRICHLOROSILANE
L4BN		AT	2 (E)					X80	1763	CYCLOHEXYLTRICHLOROSILANE
L4BN		AT	2 (E)					80	1764	DICHLOROACETIC ACID
L4BN		AT	2 (E)					X80	1765	DICHLOROACETYL CHLORIDE
L4BN		AT	2 (E)					X80	1766	DICHLOROPHENYLTRICHLOROSILANE
L4BH		FL	1 (D/E)				S2	X83	1767	DIETHYLDICHLOROSILANE
L4BN		AT	2 (E)					80	1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS
L4BN		AT	2 (E)					X80	1769	DIPHENYLDICHLOROSILANE
SGAN L4BN		AT	2 (E)	V11				80	1770	DIPHENYLMETHYL BROMIDE
L4BN		AT	2 (E)					X80	1771	DODECYLTRICHLOROSILANE
SGAV		AT	3 (E)		VV9			80	1773	FERRIC CHLORIDE, ANHYDROUS
			3 (E)						1774	FIRE EXTINGUISHER CHARGES corrosive liquid
L4BN		AT	2 (E)					80	1775	FLUOROBORIC ACID
L4BN		AT	2 (E)					80	1776	FLUOROPHOSPHORIC ACID, ANHYDROUS
L10BH		AT	1 (E)				S20	88	1777	FLUOROSULPHONIC ACID
L4BN		AT	2 (E)					80	1778	FLUOROSILICIC ACID
L4BN		FL	2 (D/E)				S2	83	1779	FORMIC ACID with more than 85% acid by mass
L4BN		AT	2 (E)					80	1780	FUMARYL CHLORIDE
L4BN		AT	2 (E)					X80	1781	HEXADECYLTRICHLOROSILANE
L4BN		AT	2 (E)					80	1782	HEXAFLUOROPHOSPHORIC ACID
L4BN		AT	2 (E)					80	1783	HEXAMETHYLENEDIAMINE SOLUTION
L4BN		AT	3 (E)	V12				80	1783	HEXAMETHYLENEDIAMINE SOLUTION
L4BN		AT	2 (E)					X80	1784	HEXYLTRICHLOROSILANE
L10BH	TU14 TE21	AT	1 (C/D)			CV13 CV28	S14	886	1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE
L4BN		AT	2 (E)					80	1787	HYDRIODIC ACID
L4BN		AT	3 (E)	V12				80	1787	HYDRIODIC ACID
L4BN		AT	2 (E)					80	1788	HYDROBROMIC ACID
L4BN		AT	3 (E)	V12				80	1788	HYDROBROMIC ACID
L4BN		AT	2 (E)					80	1789	HYDROCHLORIC ACID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tank instructions	Special provisions
3.1.2		2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1950	AEROSOLS, flammable	2	5F		2	63	1 kg	1	P002 LP02		PP87 RR7	T50	TP8 TP82
1951	ARGON, COMPRESSED	2	1A		2		120 ml	50	P203		MP9	T75	TP5
1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2	1TF		2	66	0	0	P200		MP9	T50	TP2
1953	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	1F		2	63	0	0	P200		MP9	T50	TP2
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	1F		2	63	0	0	P200		MP9	T50	TP2
1955	COMPRESSED GAS, TOXIC, N.O.S.	2	1T		2	66	0	0	P200		MP9	T50	TP2
1956	COMPRESSED GAS, N.O.S.	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1957	DEUTERIUM, COMPRESSED	2	1F		2		120 ml	50	P200		MP9	T50	TP2
1958	DICHLOROTETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2	2F		2	63	0	0	P200		MP9	T50	TP2
1960	DIMETHYLAMINE, ANHYDROUS	2	2F		2	63	0	0	P200		MP9	T50	TP2
1961	ETHANE, COMPRESSED	2	1F		2	63	120 ml	50	P200		MP9	T50	TP2
1962	ETHYLENE	2	1F		2	63	0	0	P200		MP9	T50	TP2
1963	HELIUM, COMPRESSED	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	2	1F		2	63	0	0	P200		MP9	T50	TP2
1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	2	2F		2	63	0	0	P200		MP9	T50	TP2
1966	HYDROGEN, REFRIGERATED LIQUID	2	3F		2	63	0	0	P203		MP9	T75	TP5
1967	INSECTICIDE GAS, TOXIC, N.O.S.	2	1T		2	66	0	0	P200		MP9	T50	TP2
1968	INSECTICIDE GAS, N.O.S.	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1969	ISOBUTANE	2	1F		2	63	0	0	P200		MP9	T50	TP2
1970	KRYPTON, COMPRESSED	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2	1F		2	63	0	0	P200		MP9	T50	TP2
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2	3F		2	63	0	0	P203		MP9	T75	TP5
1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane	2	2A		2	66	120 ml	50	P200		MP9	T50	TP2
1974	CHLORODIFLUOROBROMOMETHANE (REFRIGERANT GAS R 12B1)	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)	2	1TOC		2	66	0	0	P200		MP9	T50	TP2
1976	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS R 318)	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1977	NITROGEN, REFRIGERATED LIQUID	2	3A		2	63	0	0	P203		MP9	T75	TP5
1978	PROPANE	2	1F		2	63	120 ml	50	P200		MP9	T50	TP2
1979	RARE GASES MIXTURE, COMPRESSED	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1980	RARE GASES AND OXYGEN MIXTURE, COMPRESSED	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1981	RARE GASES AND NITROGEN MIXTURE, COMPRESSED	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1982	TETRAFLUOROMETHANE (REFRIGERANT GAS R 14)	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)	2	2A		2	66	120 ml	50	P200		MP9	T50	TP2
1984	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	2	1A		2	66	120 ml	50	P200		MP9	T50	TP2
1985	CYANOGEN GAS	2	1TF		2	66	0	0	P200		MP9	T50	TP2
1986	ETHYL FORMATE	3	3F	II	3		1 l	1 l	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28
1987	CYCLOHEXANOL	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
1988	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
1989	ALDEHYDES, N.O.S.	3	3F	I	3	63	0	0	P001		MP15	T14	TP2 TP27
1990	BENZALDEHYDE	9	9	III	9		5 l	5 l	P001 IBC03 LP02 R001		MP19	T4	TP1
1991	CHLOROPRENE, STABILIZED	6.1	6TF	I	6.1		0	0	P001 IBC02		MP15	T14	TP2 TP13 TP27
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	3TF	I	3	63	0	0	P001		MP15	T14	TP2 TP27
1993	FLAMMABLE LIQUID, N.O.S.	3	3F	II	3	63	1 l	1 l	P001 IBC02 R001		MP19	T7	TP1 TP28
1994	IRON PENTACARBONYL	6.1	6TF	I	6.1		0	0	P001 IBC02		MP15	T14	TP2 TP13 TP27
1995	LACTONITRILE, STABILIZED	6.1	6TF	I	6.1		0	0	P001 IBC02		MP15	T14	TP2 TP13 TP27
1996	PROPYLENE TETRAMER	3	3	III	3		5 l	5 l	P001 IBC03 LP02 R001		MP19	T4	TP1
1997	TETRAHYDROFURFURYL ACRYLATE	3	3	III	3		5 l	5 l	P001 IBC03 LP02 R001		MP19	T4	TP1
1998	TRICHLOROSILANE	3	3TC	I	3	13	0	0	P010		MP15	T14	TP2 TP13 TP27
1999	TARS, LIQUID, including road asphalt and oils, bitumen for road use	3	3	III	3	640E	5 l	5 l	P001 IBC03 LP02 R001		MP19	T4	TP1 TP8 TP28
2000	CELLULOID in blocks, rods, rolls, sheets, tubes, etc., except scrap	4.1	4F	III	4.1	59	0	0	P002 IBC08		MP19	T3	TP33
2001	COBALT NAPHTHENATES, POWDER	4.1	4F	III	4.1		1 kg	1 kg	P002 IBC08		MP19	T3	TP33
2002	CELLULOID, SCRAP	4.2	4F	II	4.2		0	0	P002 IBC06		MP19	T3	TP33
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.2	4W	I	4.2	13	0	0	P403		MP15	T14	TP2 TP7 TP13 TP27
2004	MAGNESIUM DIAMIDE	4.2	4W	II	4.2		0	0	P410		MP19	T3	TP33
2005	MAGNESIUM DIPHENYL	4.2	4W	II	4.2		0	0	P410		MP19	T3	TP33
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	4F	II	4.2		0	0	P410		MP19	T3	TP33
2007	CHARCOAL, ANIMAL or VEGETABLE ORIGIN	4.2	4F	III	4.2	40	0	0	P002 IBC08		MP19	T3	TP33
2008	ZIRCONIUM, DRY, COARSER THAN 53 MICRONS	4.2	4F	II	4.2		0	0	P410		MP19	T3	TP33
2009	ZIRCONIUM, DRY, FINER THAN 53 MICRONS	4.2	4F	I	4.2		0	0	P410		MP15	T3	TP33
2010	MAGNESIUM HYDRIDE	4.3	4W	II	4.3		0	0	P403		MP19	T3	TP33
2011	MAGNESIUM PHOSPHIDE	4.3	4TW	I	4.3	13	0	0	P403		MP15	T14	TP2 TP7 TP13 TP27
2012	POTASSIUM PHOSPHIDE	4.3	4TW	I	4.3	13	0	0	P403		MP15	T14	TP2 TP7 TP13 TP27
2013	STRONTIUM PHOSPHIDE	4.3	4TW	I	4.3	13	0	0	P403		MP15	T14	TP2 TP7 TP13 TP27
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	5OC	II	5.1	66	0	0	P504		MP19	T10	TP2 TP12
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	5OC	I	5.1		0	0	P504 P640		MP15	T14	TP2 TP12 TP13 TP27

ADR tank		Vehicle for tank carriage	Transport categories (tunnel restriction code)	Special provisions for carriage				Hazard identification No.	U.N. No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.5	4.5.5 + 8.3	9.1.1.1	1.1.3.6 (Rb)	7.2.4	7.3.3	7.5.11	4.5	5.3.2.2		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
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CARRIAGE PROHIBITED									[illegible]	[illegible]
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	3.2	3.3	3.1.2.7	5.2.2	3.5	3.4	3.5.1.2	4.1.4		4.1.10	4.2.5.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)
1863	FUEL, AVIATION, TURBINE ENGINE	3	3	II	3		1	2	T1		B1	T4	TP1
1864	FUEL, AVIATION, TURBINE ENGINE	3	3	III	3		1	2	T4		B1	T7	TP1
1865	FUEL, AVIATION, TURBINE ENGINE	3	3	I	3		1	2	T1		B1	T4	TP1
1866	RESIN SOLUTION, flammable	3	3	II	3		1	2	T4		B1	T7	TP1
1867	RESIN SOLUTION, flammable	3	3	III	3		1	2	T2		B1	T7	TP1
1868	DECABORANE	6.1	6.1	I	6.1		0	1	T7		B17	T20	TP33
1869	MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	4.1	4.3	II	4.3		1	2	T3		B1	T7	TP2
1870	POTASSIUM BOROHYDRIDE	4.3	4.3	I	4.3		0	1	T7		B17	T20	TP33
1871	TITANIUM HYDRIDE	4.1	4.3	II	4.3		1	2	T3		B1	T7	TP2
1872	LEAD DIOXIDE	5.1	5.1	II	5.1		1	2	T3		B1	T7	TP2
1873	PERCHLORIC ACID, with not more than 50% acid, by mass	5.1	8	II	5.1, 8		1	2	T7		B1	T7	TP2
1884	BARIUM OXIDE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1885	BENZIDINE	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1886	BENZYLIDENE CHLORIDE	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1887	BROMOCHLOROMETHANE	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1888	CHLOROFORM	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1889	CYANOGEN BROMIDE	6.1	6.1	I	6.1		0	1	T7		B17	T20	TP33
1890	BROMOCHLOROMETHANE	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1891	ETHYL BROMIDE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1892	ETHYLDICHLOROARSINE	6.1	6.1	I	6.1		0	1	T7		B17	T20	TP33
1893	ETHYLENEDIAMINE	8	8	II	8		1	2	T4		B1	T7	TP1
1894	PHENYLMERCURIC HYDROXIDE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1895	PHENYLMERCURIC NITRATE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1896	MERCURIC POTASSIUM CYANIDE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1897	TETRACHLOROETHYLENE	6.1	6.1	III	6.1		1	2	T4		B1	T7	TP1
1898	ACETYL IODIDE	8	8	II	8		1	2	T3		B1	T7	TP2
1899	ALCOHOLIC BEVERAGES, with more than 24% alcohol by volume	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1900	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35% but not more than 50% ammonia	8	8	III	8		1	2	T4		B1	T7	TP1
1901	ANTIMONY POTASSIUM TARTRATE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1902	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 50% ammonia	8	8	III	8		1	2	T4		B1	T7	TP1
1903	DISINFECTANT, LIQUID, CORROSIVE, n.o.s.	8	8	II	8		1	2	T4		B1	T7	TP1
1904	SODIUM DIFLUOROACETATE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1905	SELENIC ACID	8	8	II	8		1	2	T3		B1	T7	TP2
1906	SLUDGE ACID	8	8	II	8		1	2	T3		B1	T7	TP2
1907	SODA LIME with more than 4% sodium hydroxide	8	8	III	8		1	2	T4		B1	T7	TP1
1908	CHLORITE SOLUTION	8	8	II	8		1	2	T3		B1	T7	TP2
1909	POTASSIUM PERSULPHATE	5.1	5.1	III	5.1		1	2	T4		B1	T7	TP1
1910	CALCIUM OXIDE	8	8	III	8		1	2	T4		B1	T7	TP1
1911	DIBORANE	2	2.3	1	2.3, 2.1		0	1	T7		B17	T20	TP33
1912	METHYL CHLORIDE and METHYLENE CHLORIDE MIXTURE	2	2.1	1	2.1		0	1	T7		B17	T20	TP33
1913	NEON, REFRIGERATED LIQUID	2	2.2	1	2.2		0	1	T7		B17	T20	TP33
1914	BUTYL PROPIONATES	3	3	II	3		1	2	T4		B1	T7	TP1
1915	CYCLOHEXANONE	3	3	III	3		1	2	T2		B1	T7	TP1
1916	2,2'-DICHLORODIETHYL ETHER	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1917	ETHYL ACRYLATE, STABILIZED	3	3	II	3		1	2	T4		B1	T7	TP1
1918	ISOPROPYLBENZENE	3	3	III	3		1	2	T2		B1	T7	TP1
1919	METHYL ACRYLATE, STABILIZED	3	3	II	3		1	2	T4		B1	T7	TP1
1920	NONANES	3	3	III	3		1	2	T2		B1	T7	TP1
1921	PROPYLENEIMINE, STABILIZED	3	3, 6.1	I	3, 6.1		0	1	T7		B17	T20	TP33
1922	PYRROLIDINE	3	3	II	3		1	2	T4		B1	T7	TP1
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2	4.2	II	4.2		1	2	T3		B1	T7	TP2
1924	ANHYDROUS STANNIC CHLORIDE	8	8	II	8		1	2	T3		B1	T7	TP2
1925	DIMETHYLAMINE, ANHYDROUS	2	2.1	1	2.1		0	1	T7		B17	T20	TP33
1926	1,4-PENTADIENE, STABILIZED	3	3	II	3		1	2	T4		B1	T7	TP1
1927	PINACOLONE	3	3	II	3		1	2	T4		B1	T7	TP1
1928	METHYL MAGNESIUM BROMIDE in diethyl ether	4.3	4.3	I	4.3, 3		0	1	T7		B17	T20	TP33
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2	4.2	II	4.2		1	2	T3		B1	T7	TP2
1930	ETHYL METHYL KETONE	3	3	II	3		1	2	T4		B1	T7	TP1
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	4.2	4.2	II	4.2		1	2	T3		B1	T7	TP2
1932	ZIRCONIUM SCRAP	4.2	4.2	II	4.2		1	2	T3		B1	T7	TP2
1933	STANNIC PHOSPHIDE	4.3	4.3	I	4.3, 6.1		0	1	T7		B17	T20	TP33
1935	CYANIDE SOLUTION, n.o.s.	6.1	6.1	I	6.1		0	1	T7		B17	T20	TP33
1936	NITRIC OXIDE, COMPRESSED	2	2.3	1	2.3, 5.1		0	1	T7		B17	T20	TP33
1937	BARIUM OXIDE	6.1	6.1	II	6.1		1	2	T3		B1	T7	TP2
1938	BROMOACETIC ACID, SOLID	8	8	II	8		1	2	T3		B1	T7	TP2
1939	PHOSPHORUS OXYBROMIDE	8	8	II	8		1	2	T3		B1	T7	TP2
1940	THIOGLYCOLIC ACID	8	8	II	8		1	2	T3		B1	T7	TP2
1941	DIBROMODIFLUOROMETHANE	2	2.2	I	2.2		0	1	T7		B17	T20	TP33
1942	AMMONIUM NITRATE, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	5.1	III	5.1		1	2	T4		B1	T7	TP1
1943	1,1-DIFLUOROETHANE	2	2.1	I	2.1		0	1	T7		B17	T20	TP33
1944	MATCHES, SAFETY (book, card or strike on box)	4.1	4.1	II	4.1		1	2	T3		B1	T7	TP2
1945	MATCHES, WAX VESTA	4.1	4.1	II	4.1		1	2	T3		B1	T7	TP2
1946	RARE GASES MIXTURE, COMPRESSED	2	2.2	I	2.2		0	1	T7		B17	T20	TP33
1947	ZINC CHLORATE	5.1	5.1	II	5.1		1	2	T3		B1	T7	TP2
1948	BORON TRIFLUORIDE DIACETIC ACID	8	8	II	8		1	2	T3		B1	T7	TP2

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 6.7.2	4.2.5.3
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BN		AT	3 (E)	V12				80	1840	ZINC CHLORIDE SOLUTION
[illegible]		AT	[illegible] (E)		[illegible]			80	[illegible]	[illegible]
[illegible]	[illegible]	AT	2 (C/E)	[illegible]		[illegible]	[illegible]	60	1844	[illegible]
[illegible]									1845	[illegible]
L4BH	[illegible]	AT	2 (D/E)			[illegible]	[illegible]	60	1846	CARBON TETRACHLORIDE
SGAV, L4BN		AT	3 (E)	V11				80	1847	POTASSIUM SULPHIDE, HYDRATED [illegible]
L4BN		AT	3 (E)	V12				80	1848	PROPIONIC ACID [illegible]
SGAV, L4BN		AT	2 (E)	V11				80	1849	SODIUM SULPHIDE, HYDRATED [illegible]
L4BH	[illegible]	AT	2 (D/E)			[illegible]	[illegible]	60	1851	MEDICINE, LIQUID, TOXIC, N.O.S.
L4BH	[illegible]	AT	2 (E)			[illegible]	[illegible]	60	1851	MEDICINE, LIQUID, TOXIC, N.O.S.
		AT	0 (B/E)	V1			S20	43	1854	BARIUM ALLOYS, PYROPHORIC
			0 (E)	V1			S20		1855	CALCIUM, PYROPHORIC or CALCIUM ALLOYS, PYROPHORIC
[illegible]									1856	Rags, oily
[illegible]									1857	Textile waste, wet
[illegible]	[illegible]	AT	3 (C/E)			CV9, CV10, CV36		20	1858	[illegible]
[illegible]	[illegible]	AT	[illegible] (C/D)			CV9, CV10, CV36	S14	268	1859	SILICON TETRAFLUORIDE
[illegible]	[illegible]	FL	2 (B/D)			CV9, CV10, CV36	S2, S20	239	1860	VINYL FLUORIDE, STABILIZED
LGBF		FL	2 (D/E)				S2, S20	33	1862	ETHYL CROTONATE
[illegible]		FL	1 (D/E)				S2, S20	33	1863	FUEL, AVIATION, TURBINE ENGINE
[illegible]		FL	2 (D/E)				S2, S20	33	1863	FUEL, AVIATION, TURBINE ENGINE [illegible]
LGBF		FL	3 (D/E)				S2, S20	33	1863	FUEL, AVIATION, TURBINE ENGINE [illegible]
LGBF		FL	3 (D/E)	V12			S2	30	1863	FUEL, AVIATION, TURBINE ENGINE
			2 (E)				S2, S20		1865	[illegible]
L4BN		FL	1 (D/E)				S2, S20	33	1866	RESIN SOLUTION flammable

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.1.2	2.2	3.1	2.0.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.1	4.1.3	4.1.10	4.2.5.2.6 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3456	RESIN SOLUTION Corrosive liquid, n.o.s.	8	III	A		340	1 L	E2	P001		MP19	T4	TP1 TP28
3457	RESIN SOLUTION Corrosive liquid, n.o.s.	8	II	B		340	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP28
3458	RESIN SOLUTION Corrosive	8	II	II		340	1 L	E2	P001 IBC02 R001		MP19	T7	TP2
3459	RESIN SOLUTION Corrosive liquid, flammable, n.o.s. (contains [name(s) of component(s) listed in 2.2.8.1.2 and/or 2.2.8.1.3]) according to 2.2.8.1.4 (flash-point [not less than 23 °C and not more than 60 °C])	8	8			340	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP28
3460	RESIN SOLUTION, flammable, corrosive (contains [name(s) of component(s) listed in 2.2.8.1.2 and/or 2.2.8.1.3]) according to 2.2.8.1.4 (flash-point not less than 23 °C and not more than 60 °C)	3	8			340	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP28
3461	RESIN SOLUTION, flammable (contains [name(s) of component(s) listed in 2.2.3.1.5]) according to 2.2.3.1.4 (flash-point not less than 23 °C and not more than 60 °C)	3	II	PI		340	1 L	E2	P001 IBC02 R001		MP19	T7	TP1
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, n.o.s.	6.1	I, II, III	II	6.1		0.1 g	E4	P620		MP15	T7	TP2 TP28
3463	PROPIONIC ACID with not less than 90% acid by mass	8	II	II	8		1 L	E2	P001 IBC02		MP19	T7	TP2
3464	PHOSPHORIC ACID, SOLID with not less than 85% acid by mass	8	III	III	8		5 kg	E1	P002 IBC08		MP19	T3	TP33
3465	ARSENIC ACID, LIQUID	6.1	I	I	6.1		0.1 L	E5	P602		MP15	T20	TP2 TP28
3466	METAL CARBONYLS, LIQUID, n.o.s.	6.1	I	I	6.1		0.1 L	E5	P602		MP15	T20	TP2 TP28
3467	METALLOCENES, LIQUID, n.o.s.	6.1	I	I	6.1		0.1 L	E5	P602		MP15	T20	TP2 TP28
3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM	2.1	2.1		2.1		0	E0	P003		MP9	T50	TP33
3469	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) with a flash-point not less than 23 °C and not more than 60 °C	3	III	III	3	163 223 367	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29
3470	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) with a flash-point not less than 23 °C and not more than 60 °C	3	II	II	3	163 223 367	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP29
3471	HYDROGEN FLUORIDE, ETCHING MIXTURE (HYDROFLUORIC ACID MIXTURE, ETCHING MIXTURE) with more than 60% hydrofluoric acid	8	I	I	8		0	E0	P001		MP15	T14	TP2 TP28
3472	CRYSTALLINE EPICHLOROHYDRIN	6.1	III	III	6.1		5 kg	E1	P002 IBC08		MP19	T3	TP33
3473	FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUIDS	3	II	II	3	363	1 L	E2	P001 IBC02		MP19	T7	TP1
3474	1-HYDROXYBENZOTRIAZOLE ANHYDROUS, DRY or with less than 20% water, by mass	4.1	II	II	4.1		500 g	E2	P406		MP19	T7	TP33
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE with more than 10% ethanol	3	II	II	3	363	1 L	E2	P001 IBC02		MP19	T7	TP1
3476	FUEL CELL CARTRIDGES CONTAINING WATER-REACTIVE SUBSTANCE	4.3	I	I	4.3	363	0	E0	P003		MP9	T50	TP33
3477	FUEL CELL CARTRIDGES CONTAINING CORROSIVE LIQUID	8	II	II	8	363	1 L	E2	P001 IBC02		MP19	T7	TP1
3478	FUEL CELL CARTRIDGES CONTAINING LIQUEFIED FLAMMABLE GAS	2.1	2.1		2.1	363	0	E0	P003		MP9	T50	TP33

ADR/RID tank code	Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Bulk	Loading, unloading and handling	Operation	Hazard identification No	UN No.	Name and description
1.3	4.3.5, 6.8.4	9.1.1.2	8.1.4.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.1		3.1.2
1.2	1.1.3	1.1.1	1.1.3.6	1.1.6	1.1.7	1.1.8	1.1.9	1.2.1	1.1.3	3.2
L4BN		1	3 (D)				S2, S20	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S.
L4DH		1	3 (D)				S2, S20	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S.
L4DH		1	3 (D)	V12			S2	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S.
L4BN		1	3 (D)				S2	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S. Technically pure propane, propane with impurities, mixture A, A01, A02, A0, mixture B, B1, B2, B21, B22, B23, mixture C or propane/butane mixture with butadiene and hydrocarbons, stabilized
L4BN		1	3 (D)				S2	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S. Technically pure butane, butane with impurities, mixture A, A01, A02, A0, mixture B, B1, B2, B21, B22, B23, mixture C or propane/butane mixture with butadiene and hydrocarbons, stabilized
L4BN		1	3 (D)				S2	80	1965	HYDROCARBON GAS, MIXTURE, LIQUEFIED, N.O.S. Technically pure butane, butane with impurities, mixture A, A01, A02, A0, mixture B, B1, B2, B21, B22, B23, mixture C or propane/butane mixture with butadiene and hydrocarbons, stabilized
L4BN		1	3 (D)	V10		TU38		80	1969	ISOBUTANE MIXTURE
L4BN		1	3 (D)		V11			81	1978	PROPANE MIXTURE or PROPANE MIXTURE, LIQUEFIED, N.O.S. with a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l
L4BN		1	3 (D)	V10		TU38	S20	80	1969	ISOBUTANE MIXTURE
L4BN		1	3 (D)			TU38		90	1969	ISOBUTANE MIXTURE
L4BN	TE11	1	3 (D)			TU38		90	1969	ISOBUTANE MIXTURE
L4BN	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2, S14	90	1969	ISOBUTANE MIXTURE
L4BN	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2, S14	90	1969	ISOBUTANE MIXTURE
L4BH	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2	90	1969	ISOBUTANE MIXTURE
L4BH	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2	90	1969	ISOBUTANE MIXTURE
L4BH	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2, S14	90	1969	ISOBUTANE MIXTURE
L4BH	TE11, TE19	1	3 (D)	V12		CV13, CV28	S2, S14	90	1969	ISOBUTANE MIXTURE

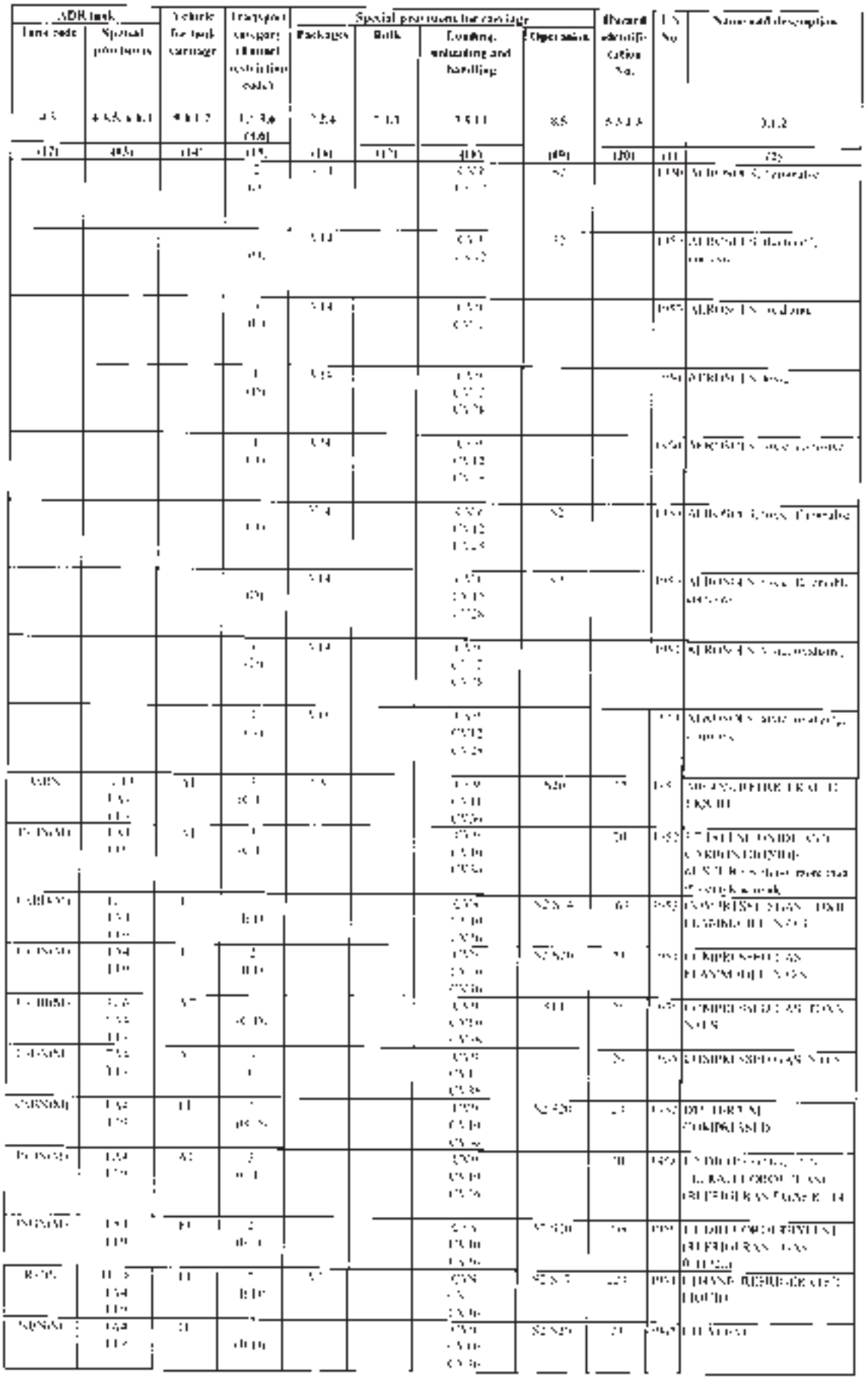
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.1.2	2.2	3.1	2.1 to 2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3091	METALLIC [illegible]	4.1	II	II	None	188	1 kg	E0	P002		MP19	T3	TP3 TP33
3092	1-METHOXY-2-PROPANOL	3	III	III	None	163	5 L	E1	P001 IBC03		MP19	T4	TP1
3093	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3094	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3095	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3096	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3097	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3098	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3099	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3100	[illegible]	8	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3101	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3102	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3103	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3104	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3105	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3106	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3107	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3108	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3109	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3110	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3111	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3112	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3113	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3114	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3115	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3116	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3117	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3118	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3119	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3120	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3121	[illegible]	5.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3122	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3123	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3124	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3125	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3126	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3127	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3128	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3129	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3130	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3131	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3132	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3133	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3134	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3135	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3136	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3137	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3138	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3139	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3140	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3141	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3142	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3143	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3144	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3145	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3146	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3147	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3148	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3149	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3150	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3151	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3152	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3153	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3154	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3155	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3156	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3157	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3158	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3159	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3160	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3161	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3162	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3163	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3164	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3165	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3166	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3167	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3168	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3169	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3170	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3171	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3172	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3173	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3174	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3175	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3176	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3177	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3178	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3179	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3180	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3181	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3182	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3183	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3184	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3185	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3186	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3187	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3188	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3189	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3190	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3191	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3192	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3193	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3194	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3195	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3196	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3197	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3198	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3199	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2
3200	[illegible]	6.1	II	II	None	163	1 L	E2	P001 IBC02		MP15	T7	TP2

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	66	1892	ETHYLDICHLOROARSINE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	60	1894	PHENYLMERCURIC HYDROXIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	60	1895	PHENYLMERCURIC NITRATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	60	1897	TETRACHLOROETHYLENE
[illegible]		[illegible]	[illegible]					80	1898	ACETYL IODIDE
[illegible]		[illegible]	[illegible]	[illegible]				80	1902	DIISOOCTYL ACID PHOSPHATE
[illegible]		[illegible]	[illegible]				[illegible]	88	1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
[illegible]		[illegible]	[illegible]					80	1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
[illegible]		[illegible]	[illegible]	[illegible]				80	1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	88	1905	SELENIC ACID
[illegible]		[illegible]	[illegible]					80	1906	SLUDGE ACID
[illegible]		[illegible]	[illegible]		[illegible]			80	1907	SODA LIME with more than 4% sodium hydroxide
[illegible]	[illegible]	[illegible]	[illegible]					80	1908	CHLORITE SOLUTION
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				80	1908	CHLORITE SOLUTION
NOT SUBJECT TO ADR									1910	Calcium oxide
			[illegible]			[illegible]	[illegible]		1911	DIBORANE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	23	1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	22	1913	NEON, REFRIGERATED LIQUID
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	30	1914	BUTYL PROPIONATES
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	30	1915	CYCLOHEXANONE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	63	1916	2,2'-DICHLORODIETHYL ETHER
[illegible]		[illegible]	[illegible]				[illegible]	339	1917	ETHYL ACRYLATE, STABILIZED
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	30	1918	ISOPROPYLBENZENE
[illegible]		[illegible]	[illegible]				[illegible]	339	1919	METHYL ACRYLATE, STABILIZED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1920	NONANES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
1921	PROPYLENEIMINE, STABILIZED	3	FT1	I	3 +6.1		0	E0	P001		MP2	T14	TP2
1922	PYRROLIDINE	3	FC	II	3 +8		1 L	E2	P001 IBC02		MP19	T7	TP1
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2	S4	II	4.2		0	E2	P410 IBC06		MP14	T3	TP33
1928	METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	4.3	WF1	I	4.3 +3			E0	P402	RR8	MP2		
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2	S4	II	4.2		0	E2	P410 IBC06		MP14	T3	TP33
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	9	M11	III	9		5 kg		P002 IBC08 LP02 R001	B3	MP10	T1	TP33
1932	ZIRCONIUM SCRAP	4.2	S4	III	4.2	524 592	0	E0	P002 IBC08 LP02 R001	B4	MP14	T1	TP33
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	I	6.1	274 525	0	E5	P001		MP8 MP17	T14	TP2 TP27
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	II	6.1	274 525	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	III	6.1	274 525	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
1938	BROMOACETIC ACID SOLUTION	8	C3	II	8		1 L	E2	P001 IBC02		MP15	T7	TP2
1938	BROMOACETIC ACID SOLUTION	8	C3	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
1939	PHOSPHORUS OXYBROMIDE	8	C2	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
1940	THIOGLYCOLIC ACID	8	C3	II	8		1 L	E2	P001 IBC02		MP15	T7	TP2
1941	DIBROMODIFLUOROMETHANE	9	M11	III	9		5 L	E1	P001 LP01 R001		MP19	T11	TP2
1942	AMMONIUM NITRATE with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	O2	III	5.1	306 611	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33
1944	MATCHES, SAFETY (book, card or strike on box)	4.1	F1	III	4.1	293	5 kg	E1	P407 R001		MP11		
1945	MATCHES, WAX 'VESTA'	4.1	F1	III	4.1	293	5 kg	E1	P407 R001		MP11		
1950	AEROSOLS, asphyxiant	2	5A		2.2	190 327 344 625	1 L	E0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, corrosive	2	5C		2.2 +8	190 327 344 625	1 L	E0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, corrosive, oxidizing	2	5CO		2.2 +5.1 +8	190 327 344 625	1 L	E0	P207 LP02	PP87 RR6 L2	MP9		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	1920	NONANES
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	1921	PROPYLENEIMINE, STABILIZED
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	1922	PYRROLIDINE
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1928	METHYLMAGNESIUM BROMIDE IN ETHYL ETHER
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)
[illegible]		[illegible]	[illegible]		[illegible]			[illegible]	1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	1932	ZIRCONIUM SCRAP
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	1935	CYANIDE SOLUTION, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	1935	CYANIDE SOLUTION, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	1935	CYANIDE SOLUTION, N.O.S.
[illegible]		[illegible]	[illegible]					[illegible]	1938	BROMOACETIC ACID SOLUTION
[illegible]		[illegible]	[illegible]					[illegible]	1938	BROMOACETIC ACID SOLUTION
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	1939	PHOSPHORUS OXYBROMIDE
[illegible]		[illegible]	[illegible]					[illegible]	1940	THIOGLYCOLIC ACID
[illegible]		[illegible]	[illegible]					[illegible]	1941	DIBROMODIFLUOROMETHANE
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	1942	AMMONIUM NITRATE [illegible]
			[illegible]						1944	MATCHES, SAFETY [illegible]
			[illegible]						1945	MATCHES, WAX "VESTA"
			[illegible]	[illegible]		[illegible]			1950	AEROSOLS [illegible]
			[illegible]	[illegible]		[illegible]			1950	AEROSOLS [illegible]
			[illegible]	[illegible]		[illegible]			1950	AEROSOLS [illegible]

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.1.1	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.5.1	4.2.5.1
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1950	AEROSOLS, flammable	2	2.1		2.1	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, flammable [illegible]	2	2.1		2.1	1	1	1	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.2	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.2	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.2	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.1	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.1	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.2	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1950	AEROSOLS, [illegible]	2	2.1		2.1	1	1	0	P207 LP02	PP87 RR6 L2	MP9		
1951	ARGON, REFRIGERATED LIQUID	2	2.1		2.2	1	1	0	P203		MP9		
1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than [illegible]	2	2.1		2.1		1	0	P203		MP9	(M)	
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, NOS	2	2.1		2.1	274		0	P200		MP9	(M)	
1954	COMPRESSED GAS, FLAMMABLE, NOS	2	2.1		2.1	274	0	1	P200		MP9	(M)	
1955	COMPRESSED GAS, TOXIC, NOS	2	2.1		2.1	274	0	1	P200		MP9	(M)	
1956	COMPRESSED GAS, NOS	2	2.1		2.1	274	1	1	P200		MP9	(M)	
1957	DIETHYLENE COMPRESSED	2	2.1		2.1		0	1	P200		MP9	(M)	
1958	[illegible]	2	2.1		2.1		1	0	P200		MP9	(M)	
1959	[illegible]	2	2.1		2.1		0	1	P200		MP9	(M)	
1961	[illegible]	2	2.1		2.1		0	1	P200		MP9	(M)	
1962	ETHYLENE		2.1		2.1		0	1	P200		MP9	(M)	



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging		Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.1	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1463	[illegible]	2	5A			379	120 ml	5 L	P203		MP9	T4	TP1 TP8 TP28
1464	[illegible]	2			2	274	0	120	P206		MP9	T50	
1465	[illegible]	2	2F		2	274 319 392 397	0	120	P206		MP9	T50 T50	
1466	[illegible]	2	1A		2.1		0	0	P200		MP9	T50	TP1 TP8 TP28
1467	[illegible]	2	5F		2.1	274	0	120	P206		MP9	T50	
1468	[illegible]	2	6A		2.1	274	120 ml	1 L	P203		MP9	T50	
1469	[illegible]	3	3A1	II	3	144	1 L	5 L	P001 IBC02		MP19	T7	TP1
1470	[illegible]	4.3	4W	I	4.3	274	0	0	P403		MP14	T50	
1471	[illegible]	5.1	1O	II	5.1	274	0	0	P503		MP9	T7	TP1
1472	[illegible]	5.1	1O	II	5.1	274	0	0	P503		MP9	T7	TP1
1473	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1474	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1475	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1476	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1477	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1478	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1479	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1480	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1481	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1482	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1483	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1484	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1485	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1486	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1487	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1488	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1489	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1490	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1491	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1492	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1493	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1494	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1495	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1496	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1497	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1498	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1499	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1
1500	[illegible]	5.1	1A	II	5.1		1 L	1 L	P504		MP9	T4 T50	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 4.3.4	9.1.1.2	9.1.1.2 (Key)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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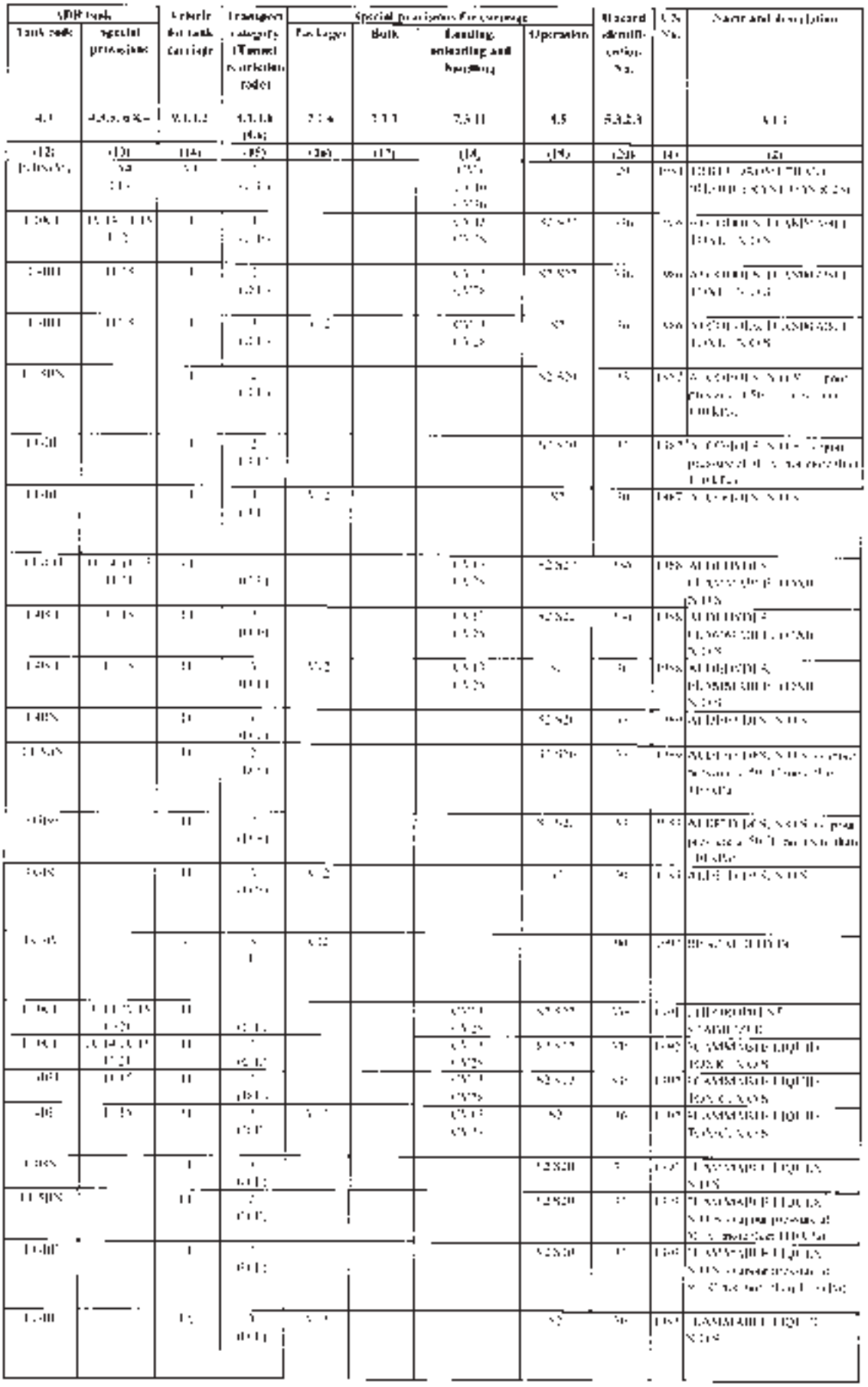
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.1	2.0, 2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.2.5.3
(1)	(2)	(2a)	(2b)	(3)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	2 F			23	200	1	P200		MP9	T50	
1956	COMPRESSED GAS, N.O.S.	2	2 A			23	1	120	P200		MP9, MP10	T50	TP1, TP2
1957	DEUTERIUM, COMPRESSED	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (GAS REFRIGERANT R 114)	2	2 A			23	200	1	P200		MP9	T50	
1959	1,1-DIFLUOROETHYLENE (GAS REFRIGERANT R 1132a)	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1960	DIMETHYLAMINE, ANHYDROUS	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1961	ETHANE, COMPRESSED	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1962	ETHYLENE	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1963	HELIUM, COMPRESSED	2	2 A			23	200	1	P200		MP9	T50	
1964	HYDROCARBON GAS, MIXTURE, COMPRESSED, N.O.S.	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1965	HYDROCARBON GAS, LIQUEFIED, N.O.S.	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1966	HYDROGEN, REFRIGERATED LIQUID	2	3 F			23	1	120	P203		MP9	T75	TP5
1967	INSECTICIDE GAS, N.O.S.	2	2 T			23	1	120	P200		MP9	T50	TP1, TP2
1968	INSECTICIDE GAS, COMPRESSED, N.O.S.	2	2 T			23	1	120	P200		MP9	T50	TP1, TP2
1969	ISOBUTANE	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1970	KRYPTON, COMPRESSED	2	2 A			23	200	1	P200		MP9	T50	
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	3	3 F			23	1	120	P203		MP9	T75	TP5
1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49 % chlorodifluoromethane (GAS REFRIGERANT R 502)	2	2 A			23	200	1	P200		MP9	T50	
1974	CHLORODIFLUOROBROMOMETHANE (GAS REFRIGERANT R 12B1)	2	2 A			23	200	1	P200		MP9	T50	
1976	OCTAFLUOROCYCLOBUTANE (GAS REFRIGERANT RC 318)	2	2 A			23	200	1	P200		MP9	T50	
1977	NITROGEN, REFRIGERATED LIQUID	2	3 A			23	200	1	P203		MP9	T75	TP5
1978	PROPANE	2	2 F			23	1	120	P200		MP9	T50	TP1, TP2
1979	RARE GASES MIXTURE, COMPRESSED	2	2 A			23	200	1	P200		MP9	T50	
1980	RARE GASES AND OXYGEN MIXTURE, COMPRESSED	2	2 A			23	200	1	P200		MP9	T50	
1981	RARE GASES AND NITROGEN MIXTURE, COMPRESSED	2	2 A			23	200	1	P200		MP9	T50	
1982	TETRAFLUOROMETHANE, COMPRESSED (GAS REFRIGERANT R 14)	2	2 A			23	200	1	P200		MP9	T50	
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE (GAS REFRIGERANT R 133a)	2	2 A			23	200	1	P200		MP9	T50	
1984	TRIFLUOROMETHANE (GAS REFRIGERANT R 23)	2	2 A			23	200	1	P200		MP9	T50	
1985	CHLOROPENTAFLUOROETHANE (GAS REFRIGERANT R 115)	2	2 A			23	200	1	P200		MP9	T50	
1986	HYDROGEN CHLORIDE, ANHYDROUS	2	2 TC			23	1	120	P200		MP9	T50	TP1, TP2
1987	ALCOHOLS, N.O.S.	3	3 F	II	3	223	1 L	5 L	P001 IBC02		MP19	T4	TP1
1988	ALDEHYDES, N.O.S.	3	3 F	II	3	223	1 L	5 L	P001 IBC02		MP19	T4	TP1
1989	ALDEHYDES, N.O.S.	3	3 F	I	3	223	1 L	5 L	P001 IBC01		MP19	T7	TP1
1990	BENZALDEHYDE	9	9 A	III	9		5 L	30 L	P001 IBC03 LP01 R001		MP19	T2	TP1
1991	CHLOROPRENE, STABILIZED	6.1	6.1 TF1	I	3 6.1			0	P001		MP9, MP19	T14	TP2, TP13
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	3 F	I	3 6.1	274	1	0	P001		MP9, MP19	T14	TP2, TP13
1993	FLAMMABLE LIQUID, N.O.S.	3	3 F	II	3	223	1 L	5 L	P001 IBC02		MP19	T4	TP1
1994	IRON PENTACARBONYL	6.1	6.1 TF1	I	3 6.1	274	0	0	P001 IBC01 LP01 R001		MP9, MP19	T14	TP2, TP13
1997	TETRAHYDROFURFURYLAMINE	3	3 F	III	3	223	5 L	30 L	P001 IBC03 LP01 R001		MP19	T2	TP1
1998	TRICHLOROSILANE	4.3	4.3 WF1	I	4.2 3 8	274	0	0	P010		MP9, MP19	T14	TP2, TP13
1999	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	3 F	III	3	223	5 L	30 L	P001 IBC03 LP01 R001		MP19	T2	TP1
2000	CELLULOID in blocks, rods, rolls, sheets, tubes, etc., except scrap	4.1	4.1 D	II	4.1	249	1 kg	5 kg	P002 IBC02		MP9, MP19	T3	TP1
2001	COBALT NAPHTHENATES, POWDER	4.1	4.1 D	III	4.1	249	1 kg	5 kg	P002 IBC03 LP02 R001		MP19	T1	TP33
2002	CELLULOID, SCRAP	4.2	4.2 S	II	4.2	249	0	0	P002 IBC02		MP9, MP19	T3	TP1, TP33
2003	METAL ALKYLS, WATER-REACTIVE, N.O.S.	4.3	4.3 W2	I	4.3	274	0	0	P403 IBC04		MP9, MP19	T14	TP2, TP13
2004	MAGNESIUM DIAMIDE	4.2	4.2 S	III	4.2	223	5 kg	30 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2005	MAGNESIUM DIPHENYL	4.2	4.2 S	II	4.2	223	1 kg	5 kg	P002 IBC06 LP02 R001		MP19	T3	TP33
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	4.2 S	II	4.2	223	1 kg	5 kg	P002 IBC06 LP02 R001		MP19	T3	TP33
2007	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	4.2 S	III	4.2	223	5 kg	30 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2008	ZIRCONIUM POWDER, DRY	4.2	4.2 S	I	4.2	274	0	0	P002 IBC04		MP9, MP19	T3	TP33
2009	ZIRCONIUM, DRY, finished sheets, strip or coiled wire	4.2	4.2 S	II	4.2	223	1 kg	5 kg	P002 IBC06 LP02 R001		MP19	T3	TP33
2010	MAGNESIUM HYDRIDE	4.3	4.3 W2	II	4.3	274	0	0	P403 IBC05 LP02 R001		MP9, MP19	T3	TP33
2011	MAGNESIUM PHOSPHIDE	4.3	4.3 W2	I	4.3 6.1	274	0	0	P403 IBC04		MP9, MP19	T14	TP2, TP13
2012	POTASSIUM PHOSPHIDE	4.3	4.3 W2	I	4.3 6.1	274	0	0	P403 IBC04		MP9, MP19	T14	TP2, TP13
2013	STRONTIUM PHOSPHIDE	4.3	4.3 W2	I	4.3 6.1	274	0	0	P403 IBC04		MP9, MP19	T14	TP2, TP13
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20 % but not more than 60 % hydrogen peroxide (stabilized as necessary)	5.1	5.1 O2	II	5.1	274	1 L	5 L	P504 IBC02		MP19	T7	TP1, TP10
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE AQUEOUS SOLUTION, STABILIZED with more than 60 % hydrogen peroxide	5.1	5.1 O2	I	5.1	274	0	0	P504 IBC06		MP9, MP19	T10	TP1, TP10
2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without fuze or with inert projectile	6.1	6.1 T	II	6.1	274	1 L	5 L	P001 IBC02		MP19	T4	TP1
2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without fuze or with inert projectile	6.1	6.1 T	II	6.1	274	1 L	5 L	P001 IBC02		MP19	T4	TP1
2018	CHLOROANILINES, SOLID	6.1	6.1 T	II	6.1	223	1 kg	5 kg	P002 IBC08 LP02 R001		MP19	T3	TP33
2019	CHLOROANILINES, LIQUID	6.1	6.1 T	II	6.1	223	1 L	5 L	P001 IBC02		MP19	T4	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	6.1	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs [illegible]	3	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs [illegible]	3	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs [illegible]	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs [illegible]	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	TARS, LIQUID, including road asphalt and oils, bitumen and cut backs [illegible]	3	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	CELLULOID [illegible]	4.1	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	COBALT NAPHTHENATES, POWDER	4.1	[illegible]	III	4.1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	4.3.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	8.5.11	8.5	5.3.2.3		3.3.2
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(1)	(2)
L4BN		1	1 (D)				S1	33	1203	PETROL (MOTOR SPIRIT)
L10BN		1	1 (D)				S2	33	1203	PETROL (MOTOR SPIRIT)
L15DH		1	1 (D)				S2	33	1203	PETROL (MOTOR SPIRIT)
L15S1	1.1.3.1 (c) 1.1.3.6 (d) 1.1.3.8 (b)	1	0 (D)			17 (b) 18 (b) 19 (b)	S2 S9 S14	33	1203	PETROL (MOTOR SPIRIT)
L15BN		1	1 (D)				S2 S21	33	1203	PETROL (MOTOR SPIRIT)
L15DH		1	2 (D)				S2 S21	33	1203	PETROL (MOTOR SPIRIT)
L15CH		1	2 (D)	S12			S2	33	1203	PETROL (MOTOR SPIRIT)
L40BN		1	2 (D)				S2	33	1203	PETROL (MOTOR SPIRIT)
L40DH		1	2 (D)				S2	33	1203	PETROL (MOTOR SPIRIT)
L4DH		1	2 (D)				S2	33	1203	PETROL (MOTOR SPIRIT)
			2 (D)						1203	PETROL (MOTOR SPIRIT)
SGAN		AT	2 (D)		S14			40	1001	ACETYLENE, DISSOLVED

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tank and bulk container instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)
2001													
2002													
2003													
2004													
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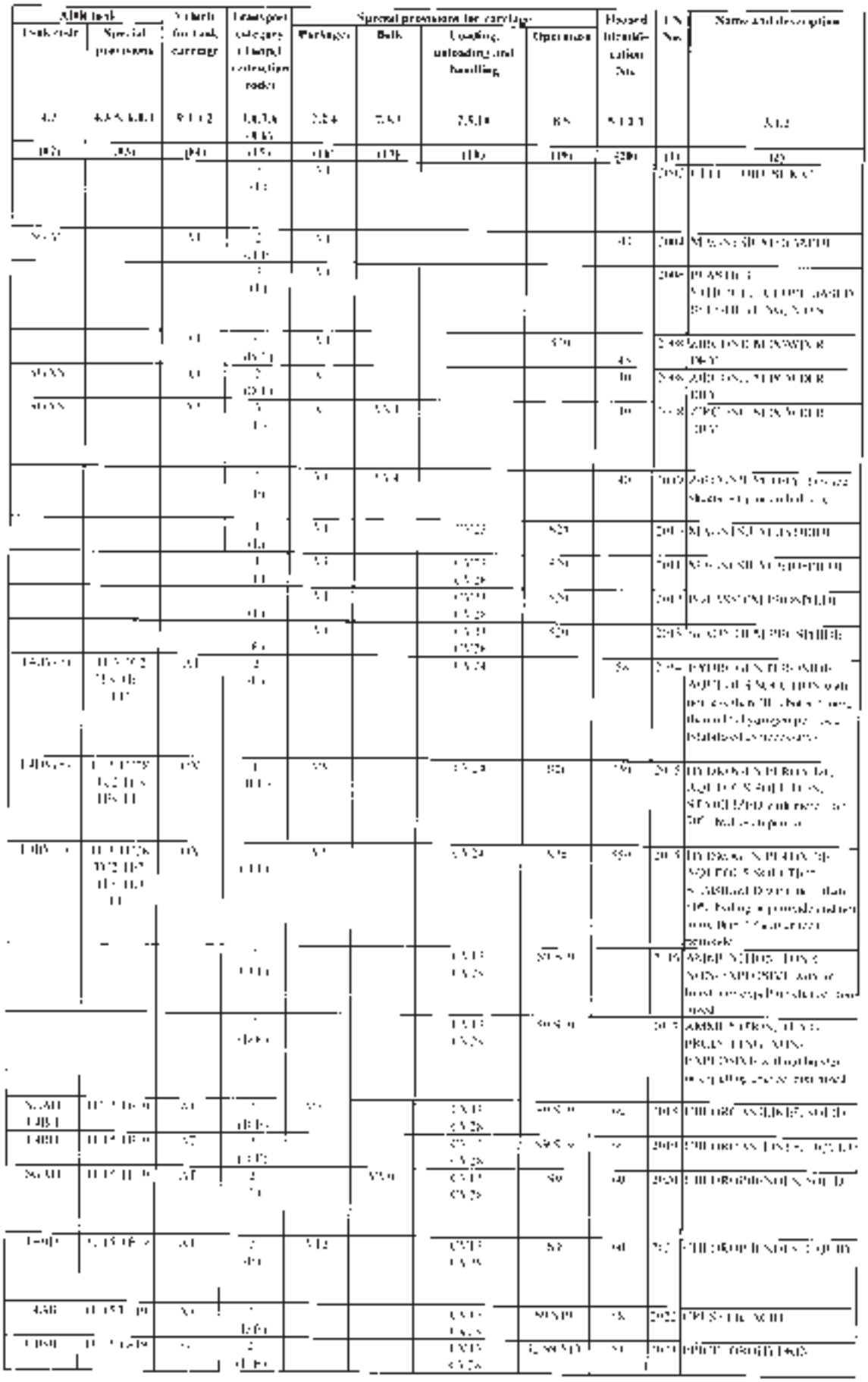
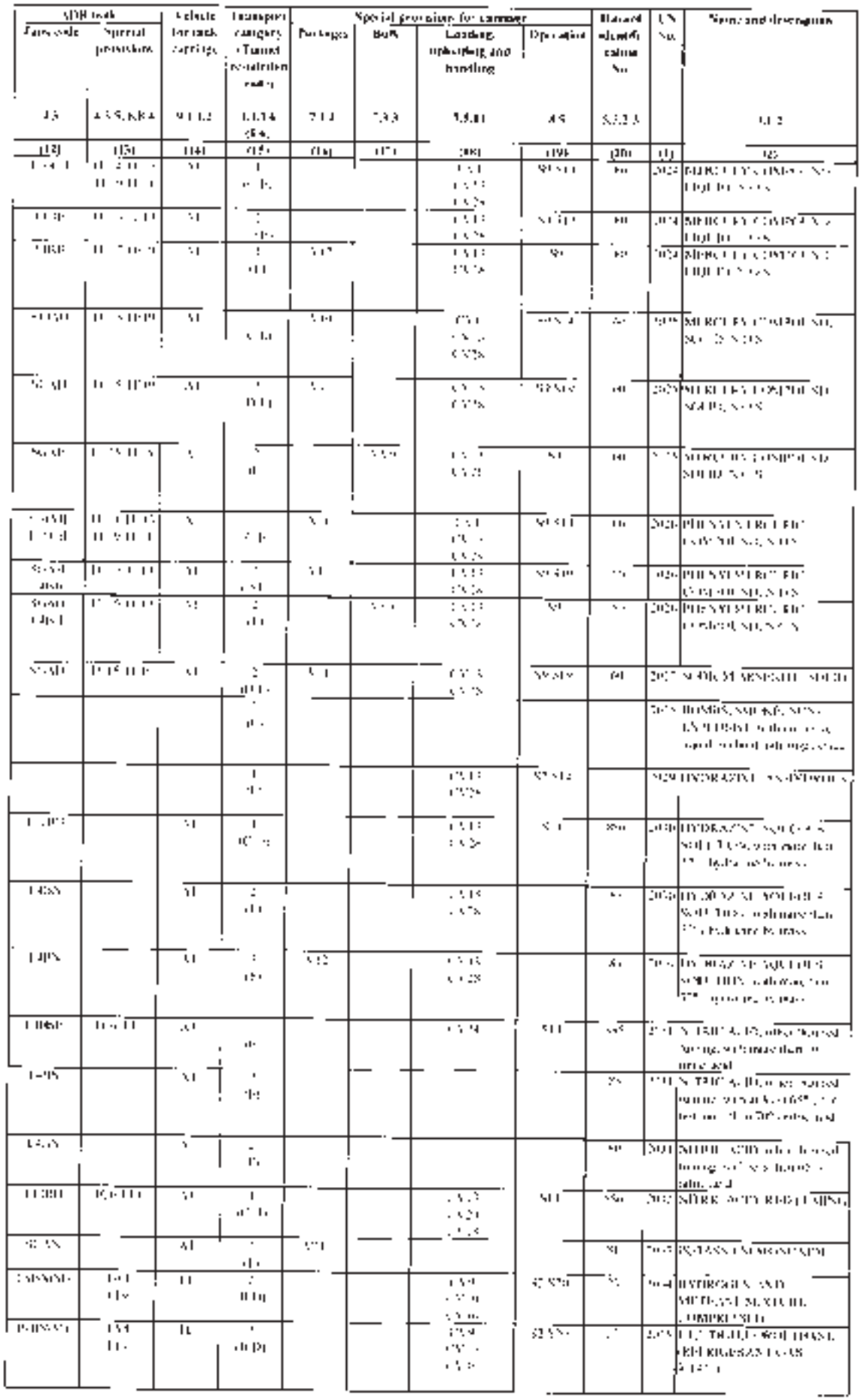
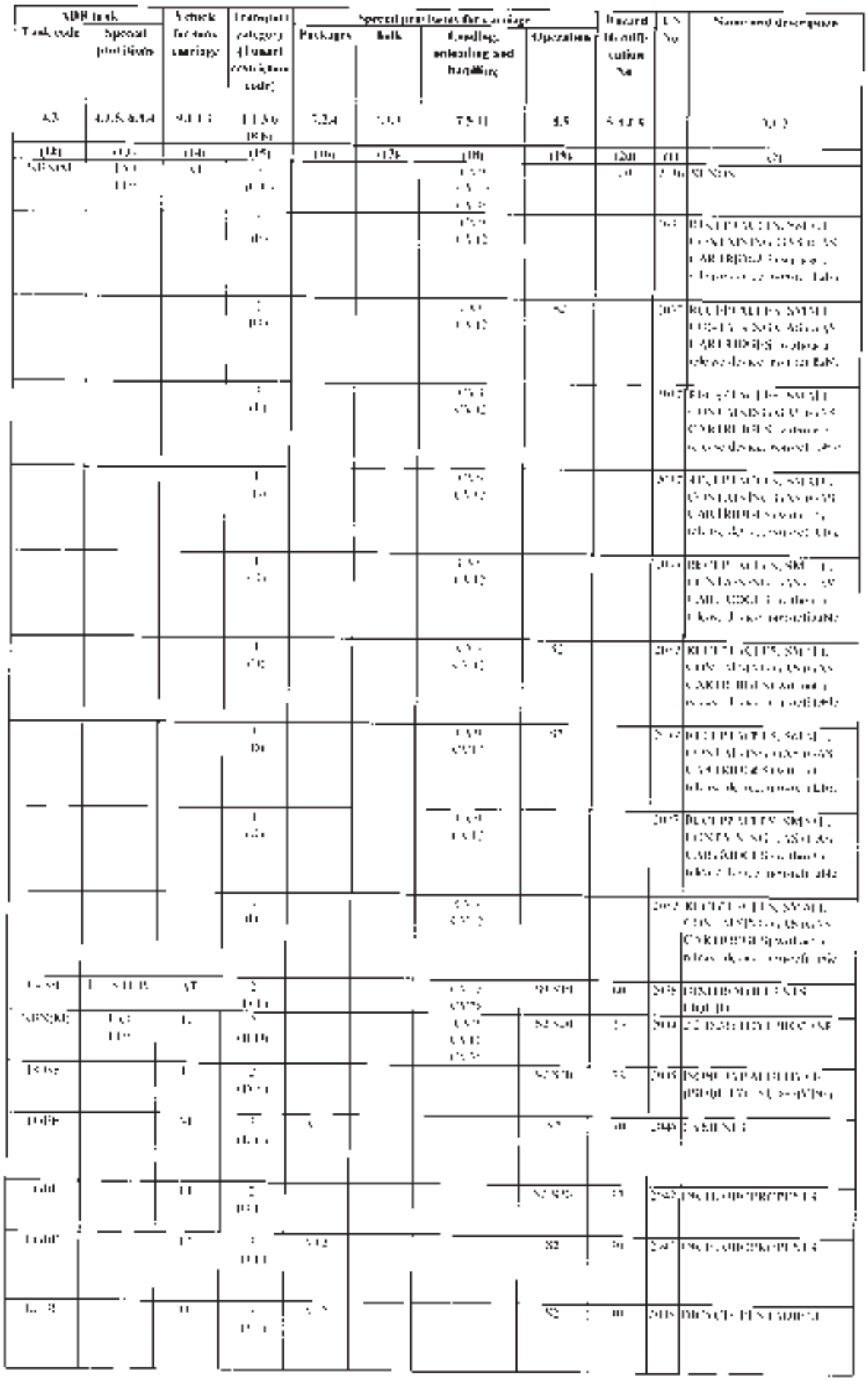
2021													
2022													
2023													



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2.7	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.2.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3268	AIR BAG INFLATORS or AIR BAG MODULES or SEAT BELT PRETENSIONERS	9	9	III	9	30	5 kg	30 kg	P003		MP9	T4	TP3
3269	POLYESTER RESIN KIT, liquid base material	3	3	III	3	3	5 L	60 L	P001		MP19	T4	TP1
3270	NITROCELLULOSE MEMBRANE FILTERS, wet, not exceeding 0.1 g dry weight per filter	4.1	4.1	II	4.1	28	1 kg	5 kg	P406		MP7	T3	TP33
3271	ETHERS, N.O.S.	3	3	II	3	274	1 L	5 L	P001 IBC02		MP19	T7	TP1
3272	ESTERS, N.O.S.	3	3	II	3	274	1 L	5 L	P001 IBC02		MP19	T7	TP1
3273	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	6TF	II	3	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3274	ALCOHOLATES SOLUTION, N.O.S. in alcohol	3	3	II	3	274	1 L	5 L	P001 IBC02		MP19	T7	TP1
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	6TF	II	3	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3276	NITRILES, TOXIC, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3277	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	6TFC	I	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	6TF	I	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3281	METAL CARBONYLS, N.O.S.	6.1	6TF	I	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3282	ORGANOMETALLIC COMPOUND, TOXIC, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3283	ORGANOMETALLIC COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	6TF	I	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3284	TETRAMER, LIQUID	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3285	TRINITROBENZENES, WETTED with not less than 30% water, by mass	4.1	4.1	II	4.1	28	1 kg	5 kg	P406		MP7	T3	TP33
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	3TFC	II	3	274	1 L	5 L	P001 IBC02		MP19	T7	TP1
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P002 IBC08		MP19	T7	TP1
3289	TOXIC LIQUID, INORGANIC, FLAMMABLE, N.O.S.	6.1	6TF	I	6.1	274	100 g	1 kg	P001 IBC02		MP19	T7	TP1
3290	TOXIC SOLID, INORGANIC, FLAMMABLE, N.O.S.	6.1	6TF	II	6.1	274	100 g	1 kg	P002 IBC08		MP19	T7	TP1
3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIOMEDICAL WASTE, UNSPECIFIED, N.O.S.) or (MEDICAL WASTE, UNSPECIFIED, N.O.S.) or (REGULATED MEDICAL WASTE, UNSPECIFIED, N.O.S.)	6.2	6.2	II	6.2	317			P621 IBC620 LP621		MP19	T4	TP3
3292	CELLS, CONTAINING SODIUM or BATTERIES, CONTAINING SODIUM	4.3	4.3	II	4.3	295	0	0	P410		MP20	T7	TP33
3293	HYDRAZINE, AQUEOUS SOLUTION, with not more than 37% hydrazine, by mass	6.1	6.1	III	6.1	274	5 L	60 L	P001 IBC03		MP19	T4	TP1
3294	HYDROCYANIC ACID, SOLUTION, with not more than 20% hydrogen cyanide	6.1	6TF	I	6.1	274	100 g	1 kg	P001		MP19	T14	TP2 TP13
3295	HYDROCARBONS, LIQUID, N.O.S.	3	3	I	3	274	1 L	5 L	P001 IBC02		MP19	T7	TP1
3296	HEPTAFLUOROPROPANE or REFRIGERANT GAS R 227	2.2	2.2		2.2		120 mL	120 mL	P200		MP9	T50	
3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE or REFRIGERANT GAS R 406	2.2	2.2		2.2		120 mL	120 mL	P200		MP9	T50	
3298	PENTAFLUOROETHANE and TETRAMETHYLENE OXIDE MIXTURE, with not more than 5.6% tetramethylene oxide	2.2	2.2		2.2		120 mL	120 mL	P200		MP9	T50	
3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	2.2	2.2		2.2		120 mL	120 mL	P200		MP9	T50	
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2.3	2TC				0	0	P200		MP9	T50	



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1165	DIOXANE	3	FT1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1 TP8
1166	DIOXOLANE	3	FT1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1 TP8
1167	DIVINYL ETHER, STABILIZED	3	FF1	I	3		0	E0	Forbidden				
1169	EXTRACTS, AROMATIC, LIQUID	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	F1	III	3	144	5 L	E1	P001 IBC03		PP1	T4	TP1
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	F1	III	3	144	5 L	E1	P001 IBC03		PP1	T4	TP1
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	F1	III	3	144	5 L	E1	P001 IBC03		PP1	T4	TP1
1173	ETHYL ACETATE	3	F1	II	3	144	1 L	E2	P001 IBC02		PP1	T7	TP1
1175	ETHYLBENZENE	3	F1	II	3	144	1 L	E2	P001 IBC02		PP1	T7	TP1
1176	ETHYL BORATE	3	FT1	II	3	144	1 L	E2	P001 IBC02		PP1	T7	TP1
1177	2-ETHYLBUTYL ACETATE	3	F1	III	3		5 L	E1	P001 IBC03		PP1	T4	TP1
1178	2-ETHYLBUTYRALDEHYDE	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1179	ETHYL BUTYL ETHER	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1180	ETHYL BUTYRATE	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1181	ETHYL CHLOROACETATE	6.1	T1	II	6.1		0	E0	Forbidden				
1182	ETHYL CHLOROFORMATE	6.1	TFC1	I	6.1		0	E0	Forbidden				
1183	ETHYLDICHLOROSILANE	4.3	WFC1	I	4.3		0	E0	Forbidden				
1184	ETHYLENE DICHLORIDE	3	FT1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1185	ETHYLENEIMINE, STABILIZED	6.1	TF1	I	6.1		0	E0	Forbidden				
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	F1	III	3	144	5 L	E1	P001 IBC03		PP1	T4	TP1
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	F1	III	3	144	5 L	E1	P001 IBC03		PP1	T4	TP1
1190	ETHYL FORMATE	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1191	OCTYL ALDEHYDES	3	F1	III	3		5 L	E1	P001 IBC03		PP1	T4	TP1
1192	ETHYL LACTATE	3	F1	III	3		5 L	E1	P001 IBC03		PP1	T4	TP1
1193	ETHYL METHYL KETONE	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1194	ETHYL NITRITE SOLUTION	3	FT1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1195	ETHYL PROPIONATE	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1196	ETHYLTRICHLOROSILANE	3	FC1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1197	EXTRACTS, FLAVOURING, LIQUID	3	F1	II	3		1 L	E2	P001 IBC02		PP1	T7	TP1
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	FC1	III	3		5 L	E1	P001 IBC03		PP1	T4	TP1
1199	FURALDEHYDES	6.1	T1	II	6.1		1 L	E2	P001 IBC02		PP1	T7	TP1
1200	FURFURYL ALCOHOL	6.1	T1	III	6.1		5 L	E1	P001 IBC03 LP01 R001		PP1	T4	TP1
1201	FUSEL OIL	3	F1	III	3		5 L	E1	P001 IBC03		PP1	T4	TP1
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT	3	F1	III	3	363	5 L	E1	P001 IBC03 LP01 R001		PP1	T2	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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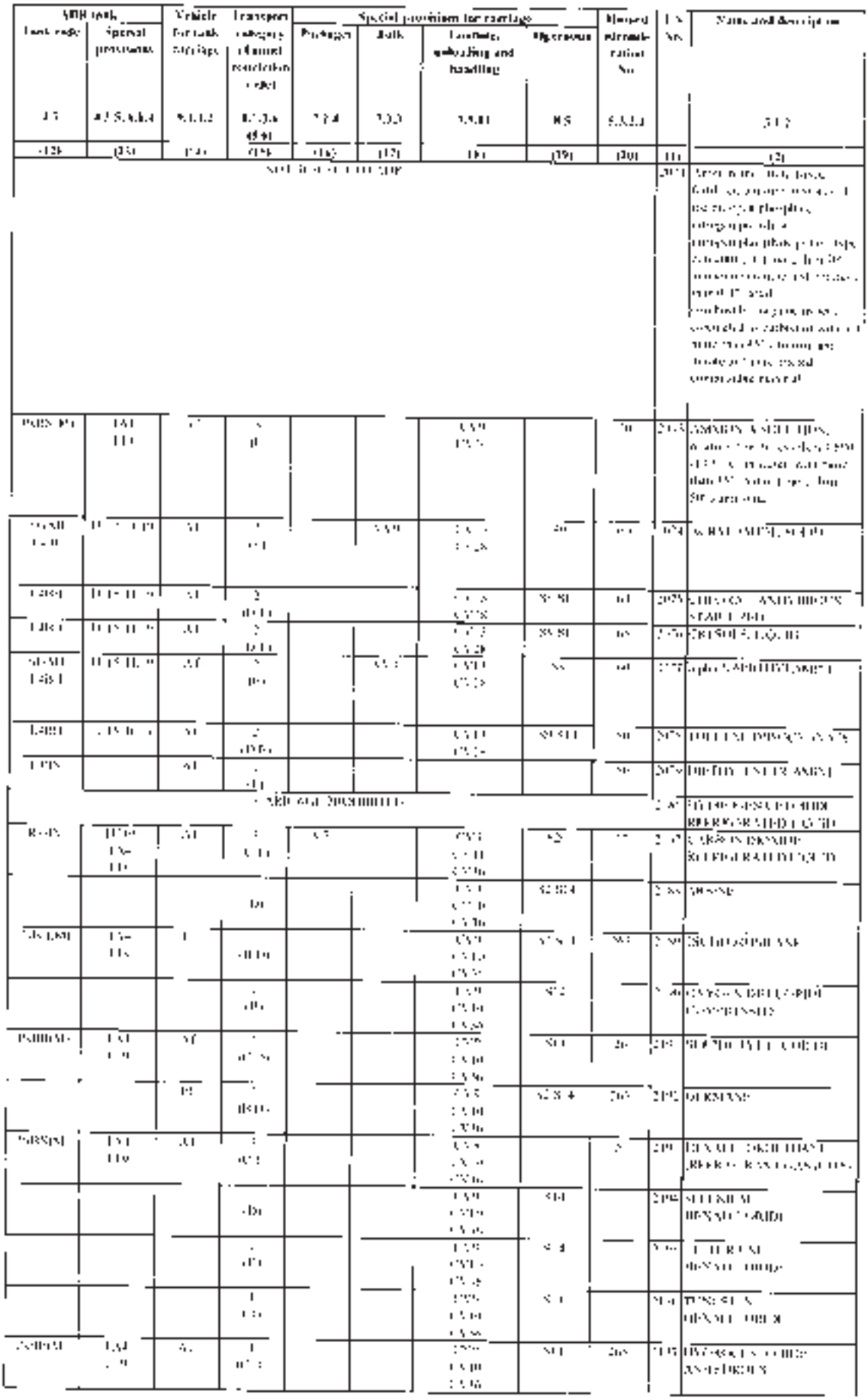
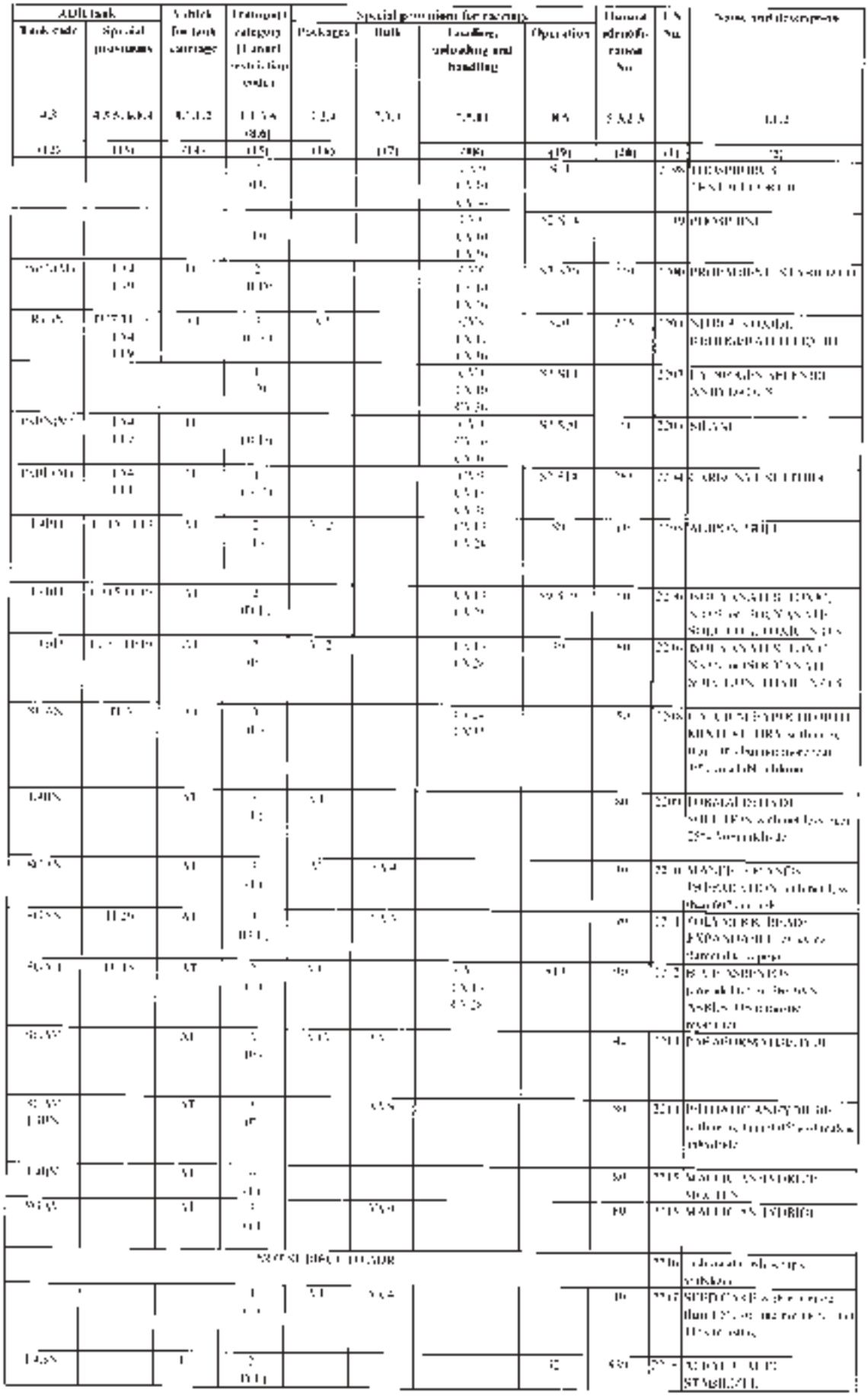
ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.1	3.1.5, 6.8.4	9.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		5.4.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		1	2 (E)	5.12			S2	60	2189	DICHLOROSILANE
[illegible]		1	2 (E)				S2 S20	33	1911	DIBORANE (DIHYDROGEN [illegible])
[illegible]		1	2 (E)				S2	90	1911	DIBORANE MIXTURE [illegible]
[illegible]		1	2 (E)	5.12			S2	60	2452	ETHYLACETYLENE
[illegible]		1	2 (E)	5.12			S2	60	2193	HEXAFLUOROETHANE (REFRIGERANT GAS R 116)
[illegible]		1	2 (E)				S2 S14	33	1048	HYDROGEN BROMIDE
[illegible]		1	2 (E)	5.12			S2	80	2186	HYDROGEN CHLORIDE, REFRIGERATED LIQUID
[illegible]		1	2 (E)				S2 S14	23	2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED
[illegible]		1	2 (E)				S2 S20	23	2034	HYDROGEN MIXTURE, COMPRESSED
[illegible]		1	2 (E)	5.12			S2	60	2418	HYDROGEN SULPHIDE
[illegible]		1	2 (E)				S2 S20	23	2073	AMMONIA SOLUTION, RELATIVE DENSITY LESS THAN 0.880 AT 15 °C IN WATER, WITH MORE THAN 35 % BUT NOT MORE THAN 40 % AMMONIA
[illegible]		1	2 (E)				S2 S14	23	2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED
[illegible]		1	2 (E)				S2 S14	23	2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED
4.1.4.1 P200	LP 02	1	2 (E)		4.1.6	PP 31	S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.

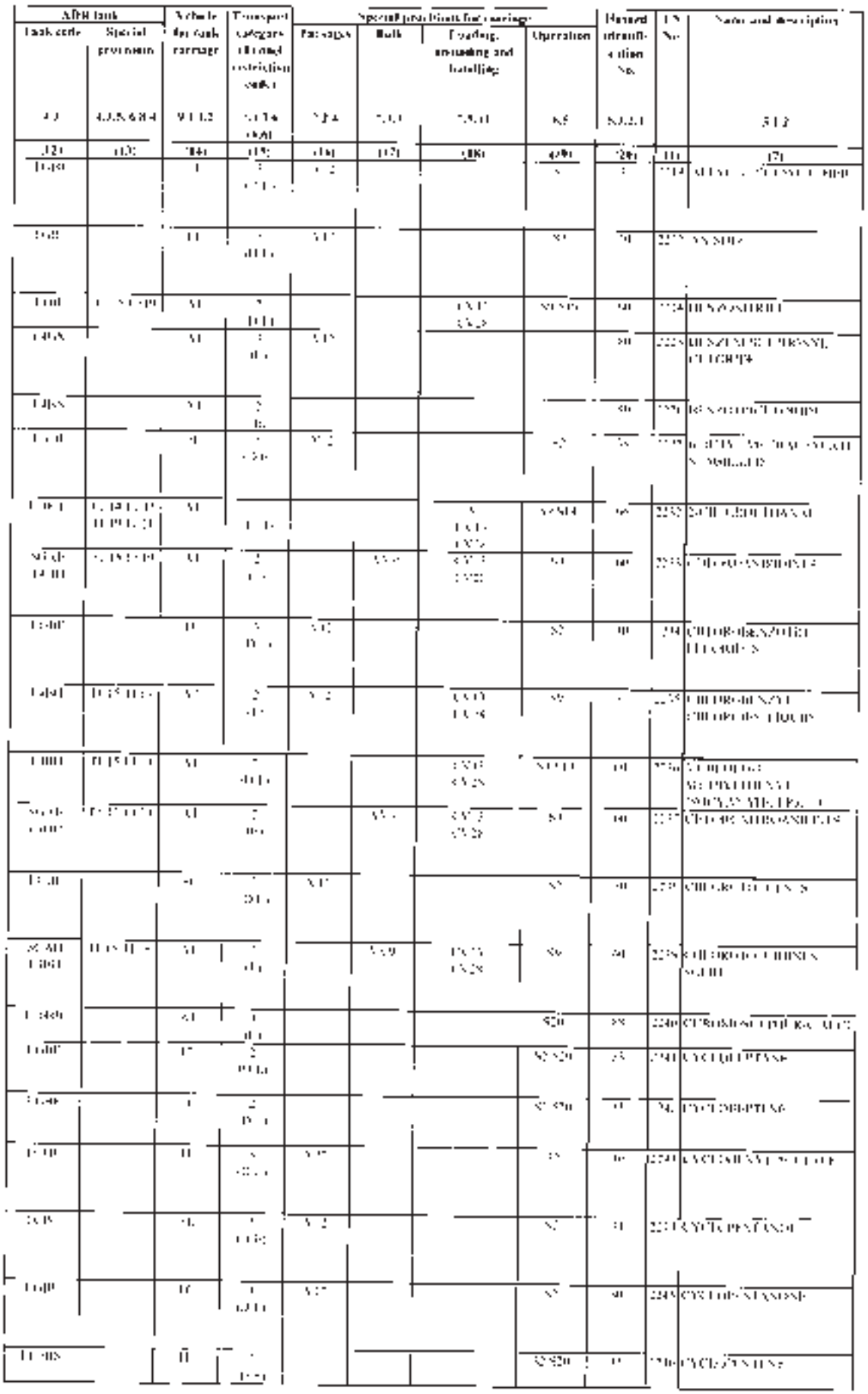
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.1	2.1.1.3	5.2.2	3.3	3.4	3.4.1.1		4.1.4	4.1.5	4.1.10	4.2.5.2 and 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1001	Acetylene, dissolved	2	1F		2		0	E0	P200		MP9		
1002	AIR, COMPRESSED	2	1A		2	377	120 ml	E1	P200		MP9	T50	
1003	AIR, REFRIGERATED LIQUID	2	3A	1I	2		0	E0	P203		MP9	T75	TP5
1004	AMMONIUM FLUORIDE	6.1	T1	III	6.1		5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
1005	AMMONIA, ANHYDROUS	2	2TC	2	2	376	120 ml	E0	P200		MP9	T50	TP2 TP19
1006	ARGON, COMPRESSED	2	1A		2		120 ml	E1	P200		MP9	T50	TP5
1007	ARGON, REFRIGERATED LIQUID	2	3A		2		0	E0	P203		MP9	T75	TP5
1008	BORON TRIFLUORIDE	2	2TC		2	379	0	E0	P200		MP9	T50	TP2
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40 % butadienes	2	2F		2		0	E0	P200		MP9	T50	TP2
1011	BUTANE	2	2F		2		0	E0	P200		MP9	T50	TP2
1012	BUTYLENE	2	2F		2		0	E0	P200		MP9	T50	TP2
1013	CARBON DIOXIDE	2	1A		2		120 ml	E1	P200		MP9	T50	TP5
1014	CARBON DIOXIDE AND OXYGEN MIXTURE, COMPRESSED	2	1O		2		120 ml	E1	P200		MP9	T50	TP5
1015	CARBON DIOXIDE AND NITROUS OXIDE MIXTURE	2	1O		2		120 ml	E1	P200		MP9	T50	TP5
1016	CARBON MONOXIDE, COMPRESSED	2	1TF		2	379	0	E0	P200		MP9	T50	TP2
1017	CHLORINE	2	2TC		2	379	0	E0	P200		MP9	T50	TP2 TP19
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1019	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1020	CHLOROTRIFLUOROETHYLENE, STABILIZED	2	2TF		2	379	0	E0	P200		MP9	T50	TP2
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1023	COAL GAS, COMPRESSED	2	1TF		2	379	0	E0	P200		MP9	T50	TP2
1024	CYCLOPROPANE	2	2F		2		0	E0	P200		MP9	T50	TP2
1025	DIMETHYLAMINE, ANHYDROUS	2	2TF		2	379	0	E0	P200		MP9	T50	TP2
1026	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2	2TOC		2	379	0	E0	P200		MP9	T50	TP2 TP19
1027	DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2	2F		2		120 ml	E1	P200		MP9	T50	TP5
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1029	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1030	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2	2F		2		0	E0	P200		MP9	T50	TP2
1031	DIMETHYL ETHER	2	2F		2		0	E0	P200		MP9	T50	TP2
1032	DIMETHYLAMINE, ANHYDROUS	2	2F		2		0	E0	P200		MP9	T50	TP2
1033	DIMETHYL ETHER	2	2F		2		0	E0	P200		MP9	T50	TP2
1034	ETHYLAMINE	2	2F		2		0	E0	P200		MP9	T50	TP2
1035	ETHANE	2	2F		2		0	E0	P200		MP9	T50	TP2
1036	ETHYLAMINE	2	2F		2		0	E0	P200		MP9	T50	TP2
1037	ETHYL CHLORIDE	2	2F		2		0	E0	P200		MP9	T50	TP2
1038	ETHYLENE, REFRIGERATED LIQUID	2	3F		2		0	E0	P203		MP9	T75	TP5
1039	METHYL ETHER	2	2F		2		0	E0	P200		MP9	T50	TP2
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2	2TF		2	379	0	E0	P200		MP9	T50	TP2
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9 % but not more than 87 % ethylene oxide	2	2F		2		120 ml	E1	P200		MP9	T50	TP5
1042	FLAMMABLE LIQUID, N.O.S.	3	FL	II	3	274	1 l	E2	P001 IBC02		MP19	T7	TP1 TP8 TP28
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2	2A		2		120 ml	E1	P200		MP9	T50	TP5
1045	FLUORINE, COMPRESSED	2	1TOC		2	379	0	E0	P200		MP9	T50	TP2
1046	HELIUM, COMPRESSED	2	1A		2		120 ml	E1	P200		MP9	T50	TP5
1047	HYDROGEN CHLORIDE, ANHYDROUS	2	2TC		2	379	0	E0	P200		MP9	T50	TP2



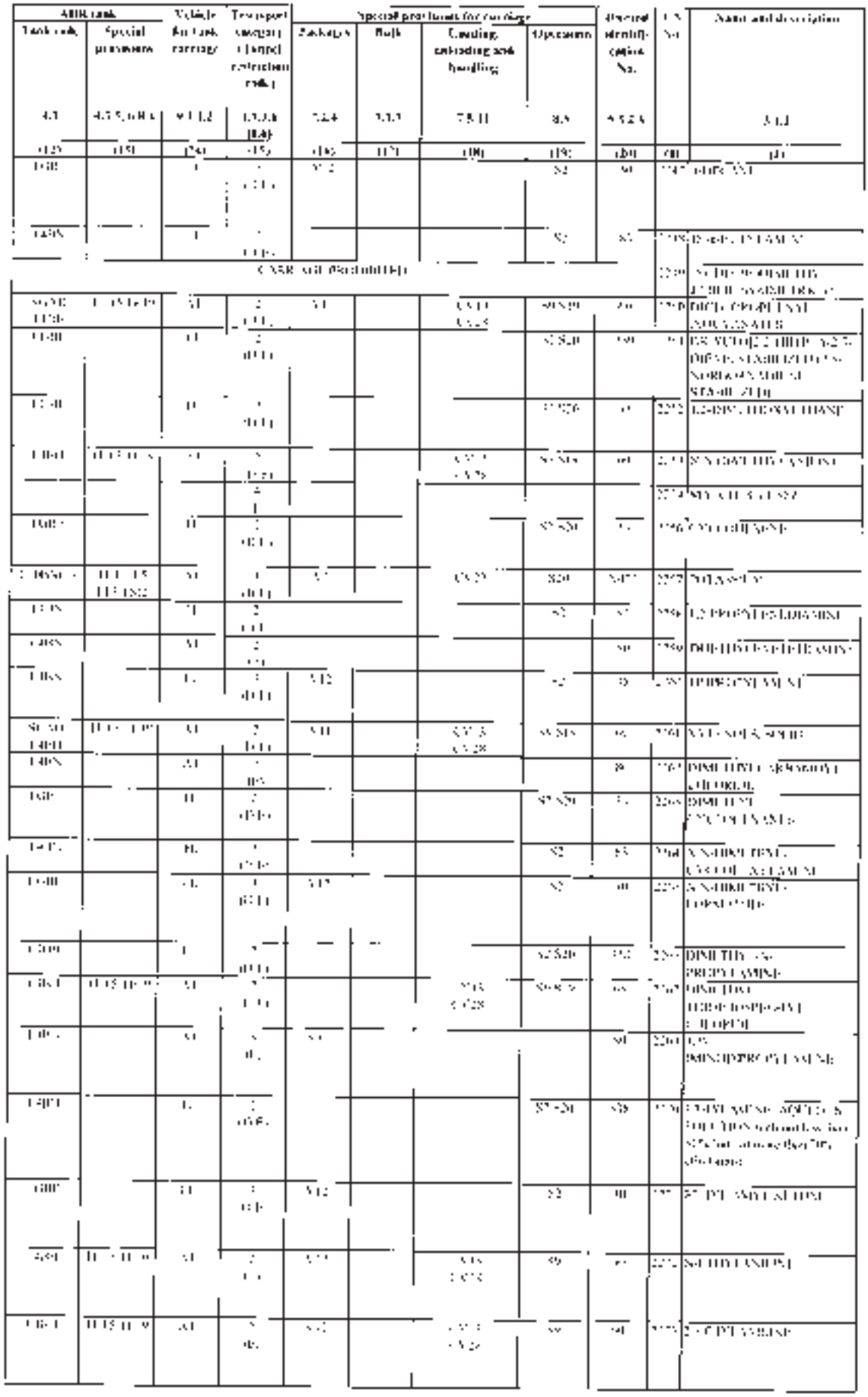
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	3.1.2.6.1	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 7.2.4	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2186	[illegible]	2	2TC		2.2		0	E0	P200		MP9		
2187	CARBON DIOXIDE, REFRIGERATED LIQUID	2	2A		2.2		120	E1	P203		MP9		
2188	ARSINE	2	2TF		2.3 2.1		0	E0	P200		MP9	T50	
2189	DICHLOROSILANE	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2190	DICHLOROSILANE, REFRIGERATED LIQUID	2	2F		2.2 2.1		0	E0	P203		MP9	T50	
2191	SULFURYL FLUORIDE	2	2TC		2.3		0	E0	P200		MP9	T50	
2192	GERMANE	2	2TF		2.3 2.1		0	E0	P200		MP9	T50	
2193	HEXAFLUOROETHANE	2	2A		2.2		120	E1	P203		MP9	T50	
2194	SELENIUM HEXAFLUORIDE	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2195	TELLURIUM HEXAFLUORIDE	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2196	TUNGSTEN HEXAFLUORIDE	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2197	HYDROGEN IODIDE, ANHYDROUS	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2198	PHOSPHORUS PENTAFLUORIDE	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2199	PHOSPHINE	2	2TF		2.3 2.1		0	E0	P200		MP9	T50	
2200	[illegible]	2	2TC		2.3 2.1		0	E0	P200		MP9	T50	
2201	NITROUS OXIDE, REFRIGERATED LIQUID	2	2O		2.2 5.1		120	E1	P203		MP9	T50	
2202	HYDROGEN SELENIDE, ANHYDROUS	2	2TF		2.3 2.1		0	E0	P200		MP9	T50	
2203	SILANE	2	2F		2.1	82	0	E0	P200		MP9	T50	
2204	CARBONYL SULFIDE	2	2TF		2.3 2.1		0	E0	P200		MP9	T50	
2205	ADIPONITRILE	6.1	T	II	6.1		5 L	E4	P001 IBC02 T4 TP1		MP15	T7	TP1
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	1	I	6.1	TP2 TP13	100 g	E0	P602		MP9	T14	TP2 TP27
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	1	II	6	TP2 TP13	1 L	E2	P602 P001 IBC01 T4 TP1		MP9	T7	TP2 TP27
2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	1T	III	5	314	5 kg	E1	P002 IBC08 LP02 R001	PP10 LP02	MP9	T26	TP33
2209	FORMALDEHYDE SOLUTION, with not less than 25% formaldehyde	8	C1	III	8	223	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	SW	III	4.2 4.3	274	0	E1	P002 IBC06 R001		MP19	T1	TP33
2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	9	M7	III	Class 9	207 216	5 kg	E1	P002 IBC08 R001	PP14 LP02	MP19	T1	TP33
2212	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED against self-heating	4.3	W1	II	4.3	135	0 kg	E2	P002 IBC05	PP31 IB3	MP19	T7	TP33
2213	PARAFORMALDEHYDE	4.1	F1	III	4.1		5 kg	E1	P002 IBC08 LP02 R001	PP1 IB7	MP19	T1 IB3 T1	TP33
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	C4	III	8	223	5 kg	E1	P002 IBC08 LP02 R001	IB3	MP19	T1	TP1
2215	MALEIC ANHYDRIDE, MOLTEN	8	C9	III	8		5 kg	E1	P099			T4	TP3
2216	MALEIC ANHYDRIDE	9	M11	III	9		5 kg	E1	P002 LP02 R001	IB3	MP19	T7	TP1
2217	[illegible]	1.4	See 7.2.4						See 7.2.4				
2218	ACRYLIC ACID, STABILIZED with not less than 50% acrylic acid by mass	8	CF1	II	8 3	386	1 L	E2	P001 IBC02 R001	PP19 LP02	MP15		
2219	ALLYL GLYCIDYL ETHER	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2219	ALLYL GLYCIDYL ETHER	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2222	ANISOLE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2224	BENZONITRILE	6.1	T1	II	6.1		100 ml	E4	P001 IBC02		MP15	T7	TP2
2225	BENZENESULPHONYL CHLORIDE	8	C3	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2226	BENZOTRICHLORIDE	8	C9	II	8		1 L	E2	P001 IBC02		MP15	T7	TP2
2227	n-BUTYL METHACRYLATE, STABILIZED	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2232	2-CHLOROETHANAL	6.1	T1	I	6.1	354	0	E5	P602		MP8 MP17	T20	TP2 TP37
2233	CHLOROANISIDINES	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2234	CHLOROBENZOTRIFLUORIDES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	T2	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1	T1	II	6.1		100 ml	E4	P001 IBC02		MP15		
2237	CHLORONITROANILINES	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2238	CHLOROTOLUENES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2239	CHLOROTOLUIDINES, SOLID	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2240	CHROMOSULPHURIC ACID	8	C1	I	8		0	E0	P001		MP8 MP17	T10	TP2
2241	CYCLOHEPTANE	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2242	CYCLOHEPTENE	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2243	CYCLOHEXYL ACETATE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2244	CYCLOPENTANOL	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2245	CYCLOPENTANONE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
2246	CYCLOPENTENE	3	F1	II	3		1 L	E2	P001 IBC02	B8	MP19	T7	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tank and bulk container instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2265	N,N-DIMETHYLFORMAMIDE	3		III			5 l	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2266	DIMETHYLDICHLOROSILANE	3	8	II	3		0	0	P010		MP19	T14	TP2 TP13
2267	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	6	I	6.1		0	0	P099		MP20	T20	TP2 TP13
2268	DIMETHYLSULPHAMOYL CHLORIDE	8	8	II			1 kg	1 l	P001 IBC02		MP15	T7	TP2
2269	3,3'-IMINODIPROPYLAMINE	8	8	III			5 l	5 l	P001 IBC03 LP01		MP19	T4	TP1
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	3	II	3		0	0	P001 IBC02		MP19	T7	TP1
2271	ETHYL AMYL KETONE	3	3	III			5 l	5 l	P001 LP01		MP19	T4	TP1
2272	N-ETHYLANILINE	6.1	T1	III	6.1		5 l	5 l	P001 LP01 R001		MP19	T4	TP1
2273	2-ETHYLANILINE	6.1	T1	II	6.1		0	0	P001 IBC02		MP19	T14	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.1.2	2.2	2.2	2.1, 2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.2.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
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ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tank and bulk container instructions	Special provisions
							Packing instructions	Special packing provisions	Mixed packing provisions				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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3719	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3720	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3721	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3722	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3723	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3724	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3725	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3726	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3727	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3728	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3729	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3730	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3731	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3732	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3733	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3734	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3735	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3736	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3737	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3738	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3739	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3740	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3741	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3742	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3743	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
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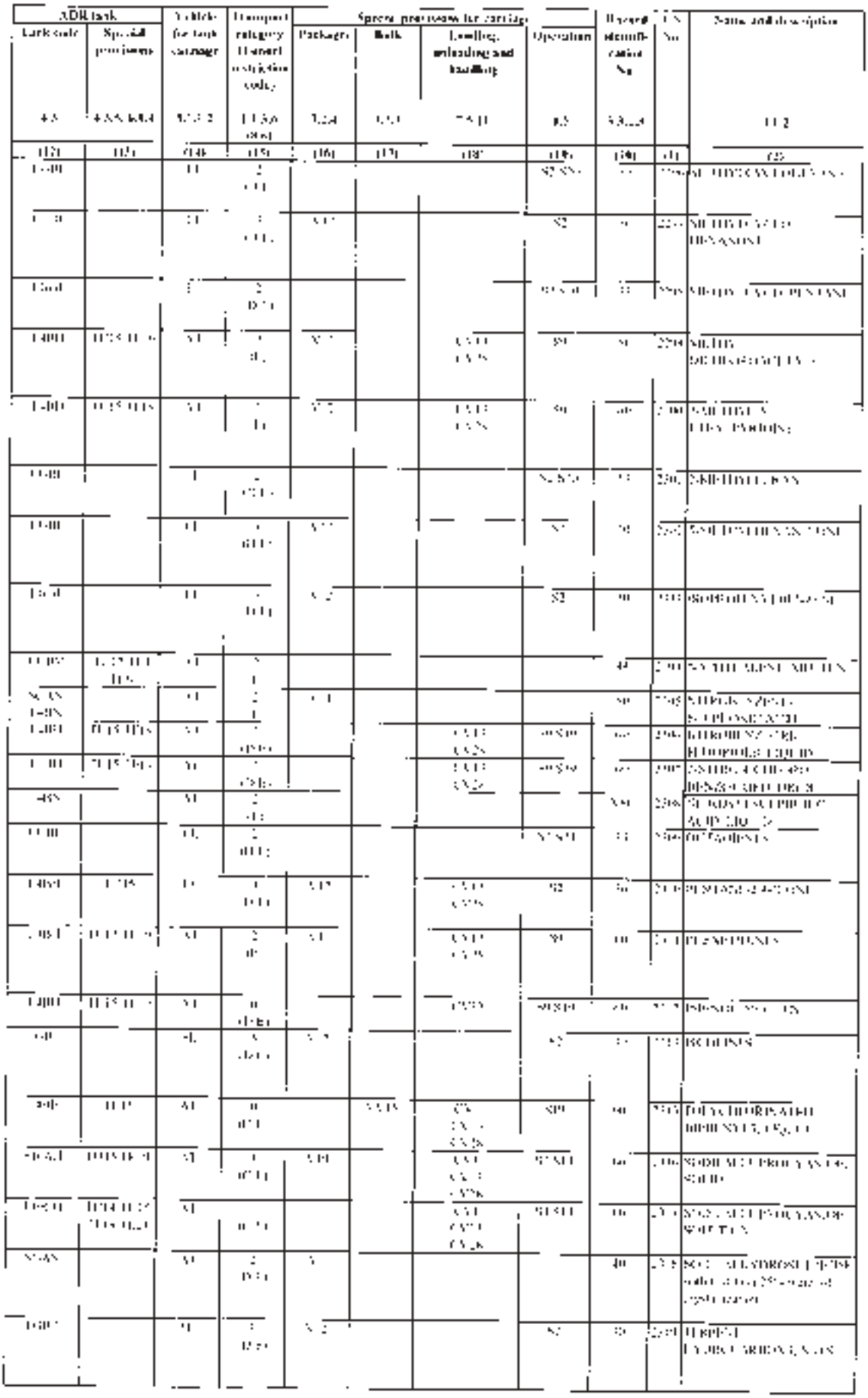
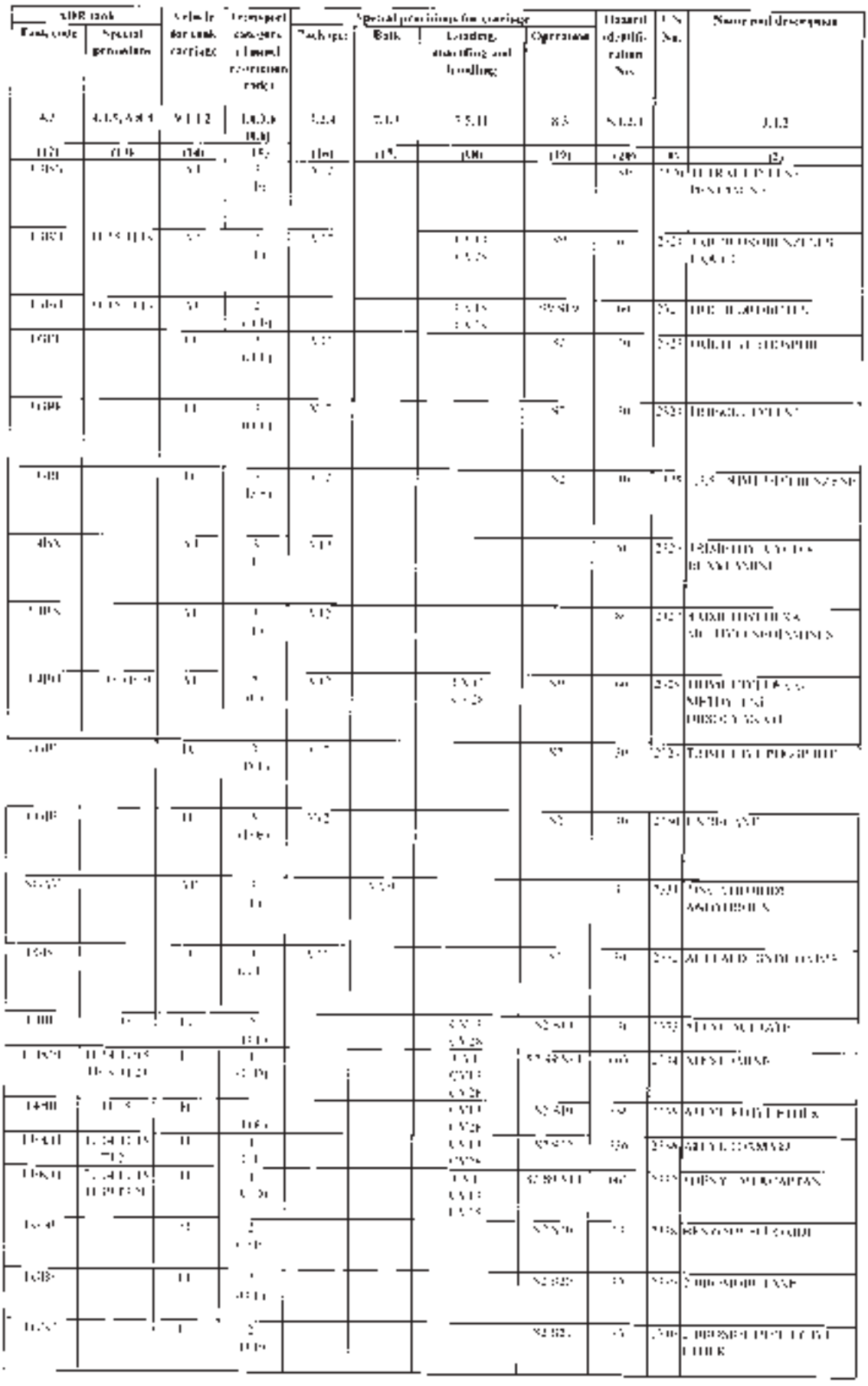
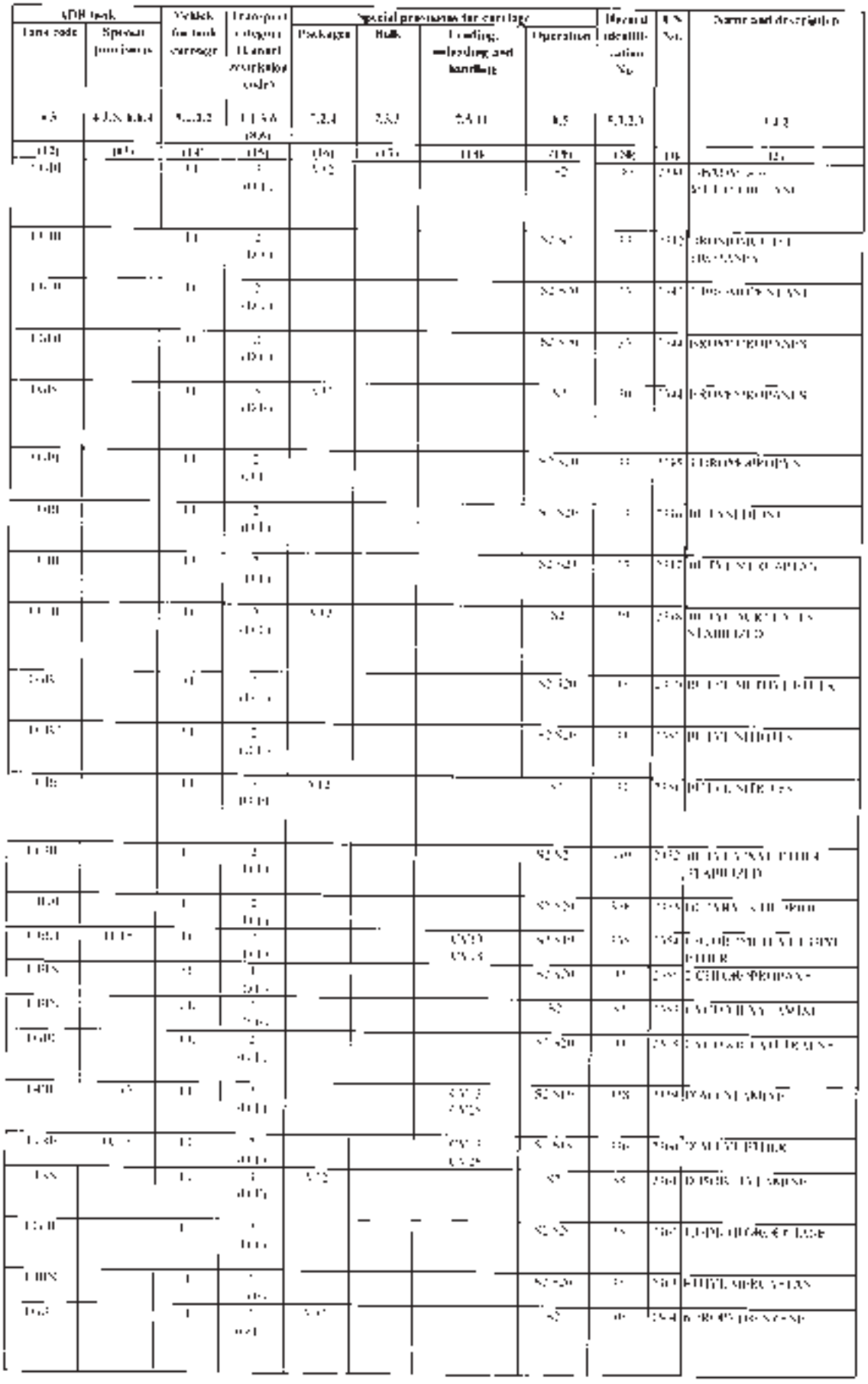
3745	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3746	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3747	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3748	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3749	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3750	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3751	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3752	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3753	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3754	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3755	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3756	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3757	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3758	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3759	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3760	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3761	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3762	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3763	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3764	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3765	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3766	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3767	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3768	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3769	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3770	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3771	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3772	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3773	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3774	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3775	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3776	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3777	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3778	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3779	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3780	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3781	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3782	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3783	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3784	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3785	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3786	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3787	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3788	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3789	[illegible]	9	M11	II	9		335		P002 IBC08 R001		MP19	T4	TP1
3790	[illegible]	9	M11	III	9		335		P001 IBC08 R001		MP19	T4	TP1
3791	[illegible]	9	M11	II	9



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.2.2	2.2	2.2	5.2.2.1.12	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 6.8.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2420	HEXAFLUOROACETONE [PERFLUOROACETONE]	2	2.2	16	2		0	1	P200 P203 LP01		MP19	T4	TP1
2421	NITROGEN TRIOXIDE	2	1	11	2		0	1	P200 P203 LP01		MP19	T1	TP1
2422	OCTAFLUOROBUT-2-ENE [PERFLUOROBUT-2-ENE]	2	1	11	2		0	1	P200 LP01		MP19	T1	TP1
2424	OCTAFLUOROPROPANE [PERFLUOROPROPANE]	2	1	10			0	1	P200 LP01		MP19	T2	TP1
2426	AMMONIUM NITRATE	5.1	1	11	2		0	1	P002 LP02		MP19	T1	TP1
2427	POTASSIUM CHLORATE	5.1	1	11	2		0	1	P002 LP02		MP19	T1	TP1
2428	SODIUM CHLORATE	5.1	1	11	2		0	1	P002 LP02		MP19	T1	TP1
2429	CALCIUM CHLORATE	5.1	1	11	2		0	1	P002 LP02		MP19	T1	TP1
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8	8	II	8		1	1	P002 LP02		MP19	T4	TP1
2431	ANISIDINES	6.1	6.1	III	6.1		5	5	P002 LP02		MP19	T7	TP1
2432	N,N-DIETHYLANILINE	6.1	6.1	II	6.1		1	1	P002 LP02		MP19	T4	TP1
2433	CHLORONITROTOLUIDINES	6.1	6.1	III	6.1		5	5	P002 LP02		MP19	T7	TP1
2434	DIBENZYLDICHLOROSILANE	8	8	II	8		1	1	P001 IBC02 LP01		MP19	T4	TP1
2435	ETHYLPHENYLDICHLOROSILANE	8	8	II	8		1	1	P001 IBC02 LP01		MP19	T4	TP1
2436	THIOACETIC ACID	3	3	II	3		1	1	P001 IBC02 LP01		MP19	T7	TP1
2437	METHYLPHENYLDICHLOROSILANE	8	8	II	8		1	1	P001 IBC02 LP01		MP19	T4	TP1
2438	TRIMETHYLACETYL CHLORIDE	6.1	6.1	I	6.1 +8		0	1	P001 IBC02 LP01		MP19	T14	TP2 TP13
2439	SODIUM HYDROGENDIFLUORIDE	8	8	II	8		1	1	P002 IBC08 LP02		MP19	T4	TP1
2440	STANNIC CHLORIDE PENTAHYDRATE	8	8	III	8		5	5	P002 LP02		MP19	T7	TP1
2441	TITANIUM TRICHLORIDE	4.2	4.2	I	4.2 +8		0	1	P410		MP14	T3	TP1 TP6
2442	TRICHLOROACETYL CHLORIDE	8	8	II	8		1	1	P001 IBC02 LP01		MP19	T4	TP1
2443	VANADIUM OXYTRICHLORIDE	8	8	II	8		1	1	P001 IBC02 LP01		MP19	T4	TP1
2444	VANADIUM TETRACHLORIDE	8	8	I	8 +6.1		0	1	P001 IBC01 LP01		MP14	T14	TP2 TP13
2445	LITHIUM ALKYLS	4.2	4.2	I	4.2 +4.3		0	1	P400		MP14	T3	TP1 TP6
2446	NITROCRESOLS, SOLID	6.1	6.1	II	6.1		1	1	P002 LP02		MP19	T4	TP1
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	4.2	I	4.2 +6.1		0	1	P400		MP14	T3	TP1 TP6
2448	SULPHUR, MOLTEN	4.1	4.1	III	4.1		5	5	P002 LP02		MP19	T7	TP1
2451	NITROGEN TRIFLUORIDE	2	2.2	20	2		0	1	P200 LP01		MP19	T4	TP1
2452	ETHYLACETYLENE, STABILIZED	2	2.1	10	2		0	1	P200 LP01		MP19	T4	TP1
2453	ETHYLFLUORIDE (REFRIGERANT GAS R 161)	2	2.1	10	2		0	1	P200 LP01		MP19	T4	TP1
2454	METHYLFLUORIDE (REFRIGERANT GAS R 41)	2	2.1	10	2		0	1	P200 LP01		MP19	T4	TP1
2455	METHYL NITRITE	2	2.1	10	2		0	1	P200 LP01		MP19	T4	TP1
2456	2-CHLOROPROPENE	3	3	I	3 +6.1		0	1	P001 IBC01 LP01		MP14	T14	TP2 TP13
2457	2,3-DIMETHYLBUTANE	3	3	II	3		1	1	P001 IBC02 LP01		MP19	T4	TP1
2458	HEXADIENES	3	3	II	3		1	1	P001 IBC02 LP01		MP19	T4	TP1
2459	2-METHYL-1-BUTENE	3	3	II	3		1	1	P001 IBC02 LP01		MP19	T4	TP1



CN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	1.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2341	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2342	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2343	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2344	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2346	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2347	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2348	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2350	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2351	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2352	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2353	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2354	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
2356	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2357	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2358	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2359	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2360	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2361	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2362	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2363	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2364	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	alpha-METHYL[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	alpha-PINENE	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
23[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	DIMETHYLDIETHOXYSILANE	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
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2382	DIMETHYLHYDRAZINE, SYMMETRICAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
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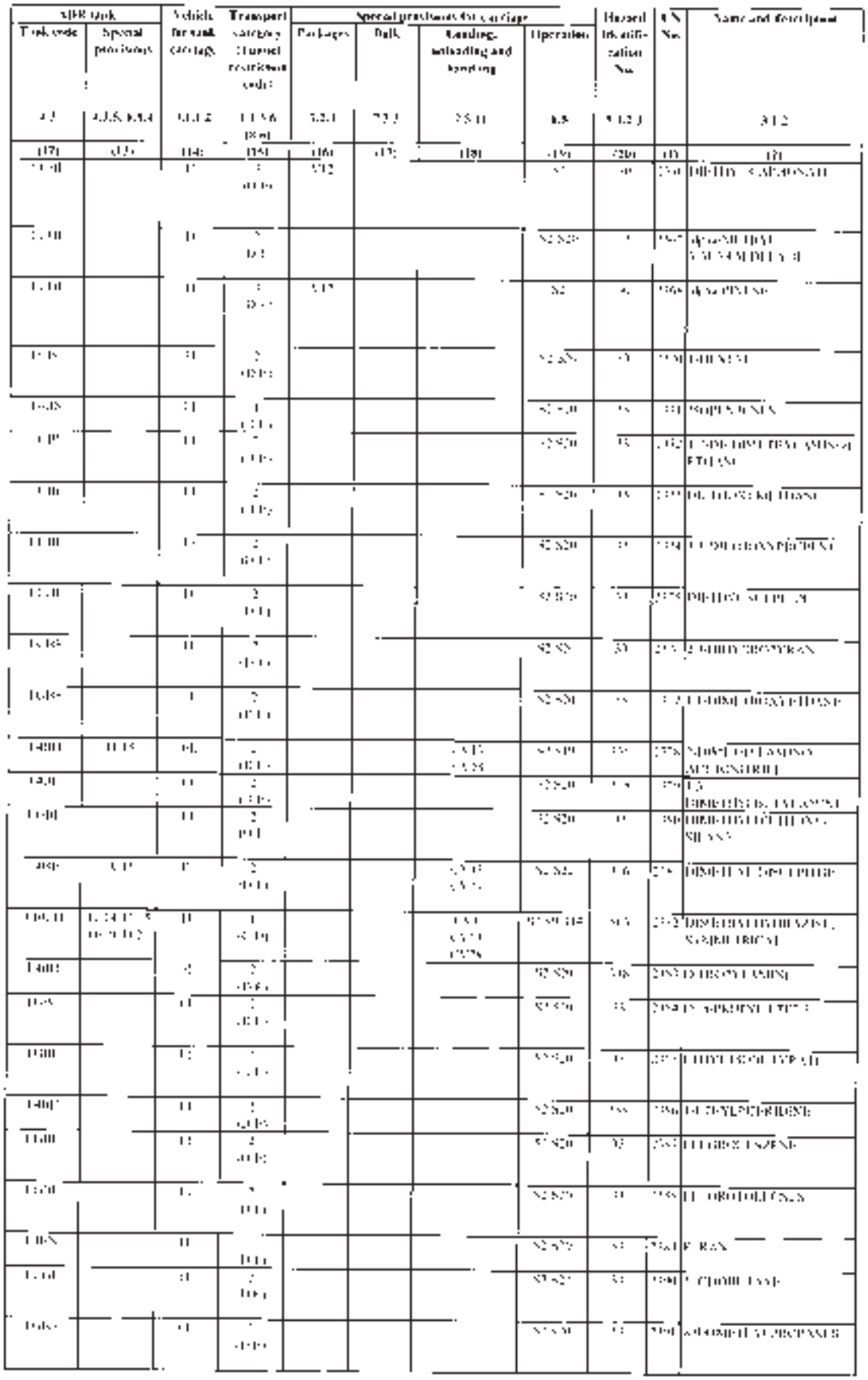
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	FURAN	[illegible]	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	PIPERIDINE	8	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		MP19 [illegible]	[illegible]	[illegible]
[illegible]	PROPANETHIOLS	3	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	PROPIONITRILE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	P001 [illegible]		[illegible]	[illegible]	[illegible]
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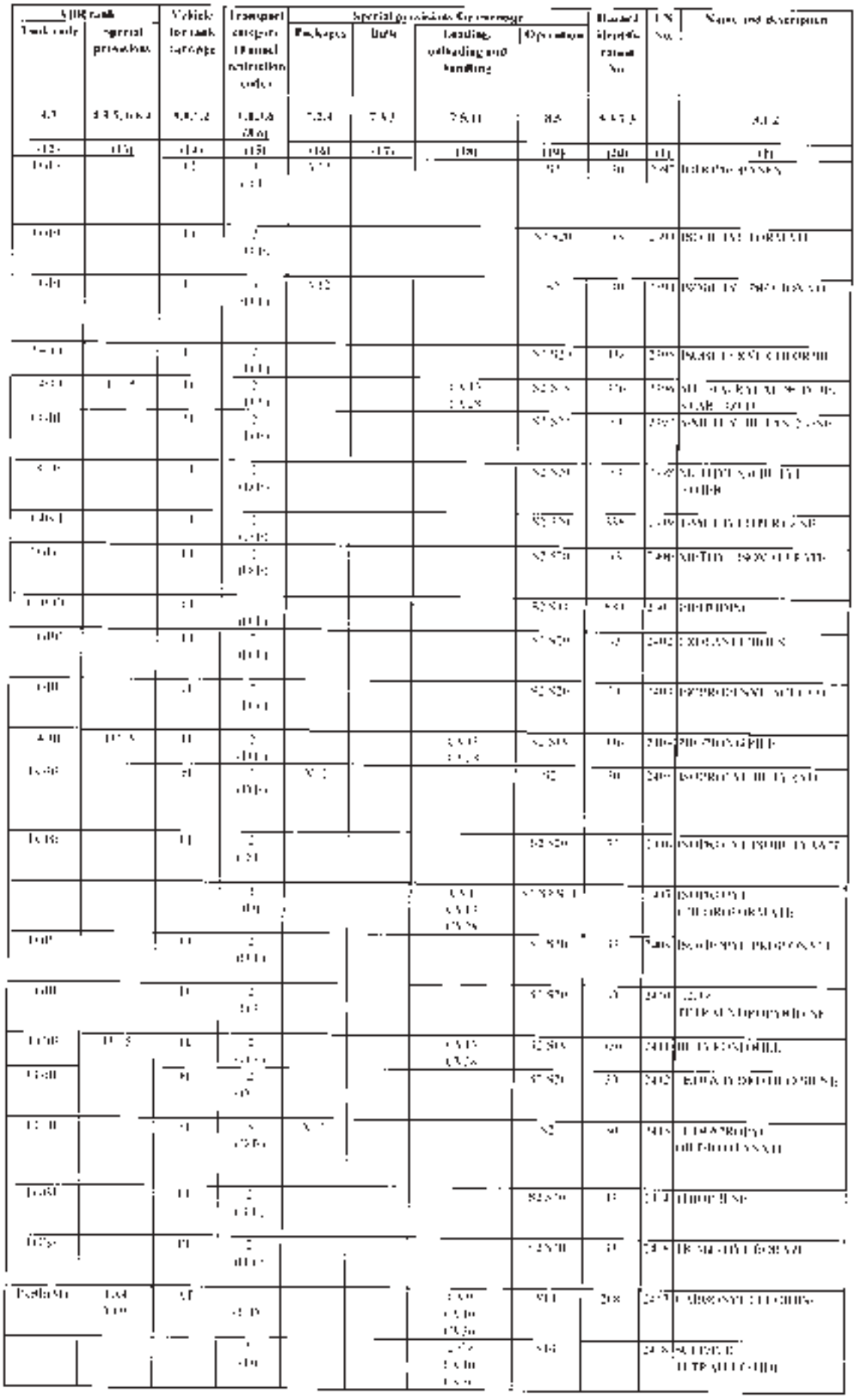
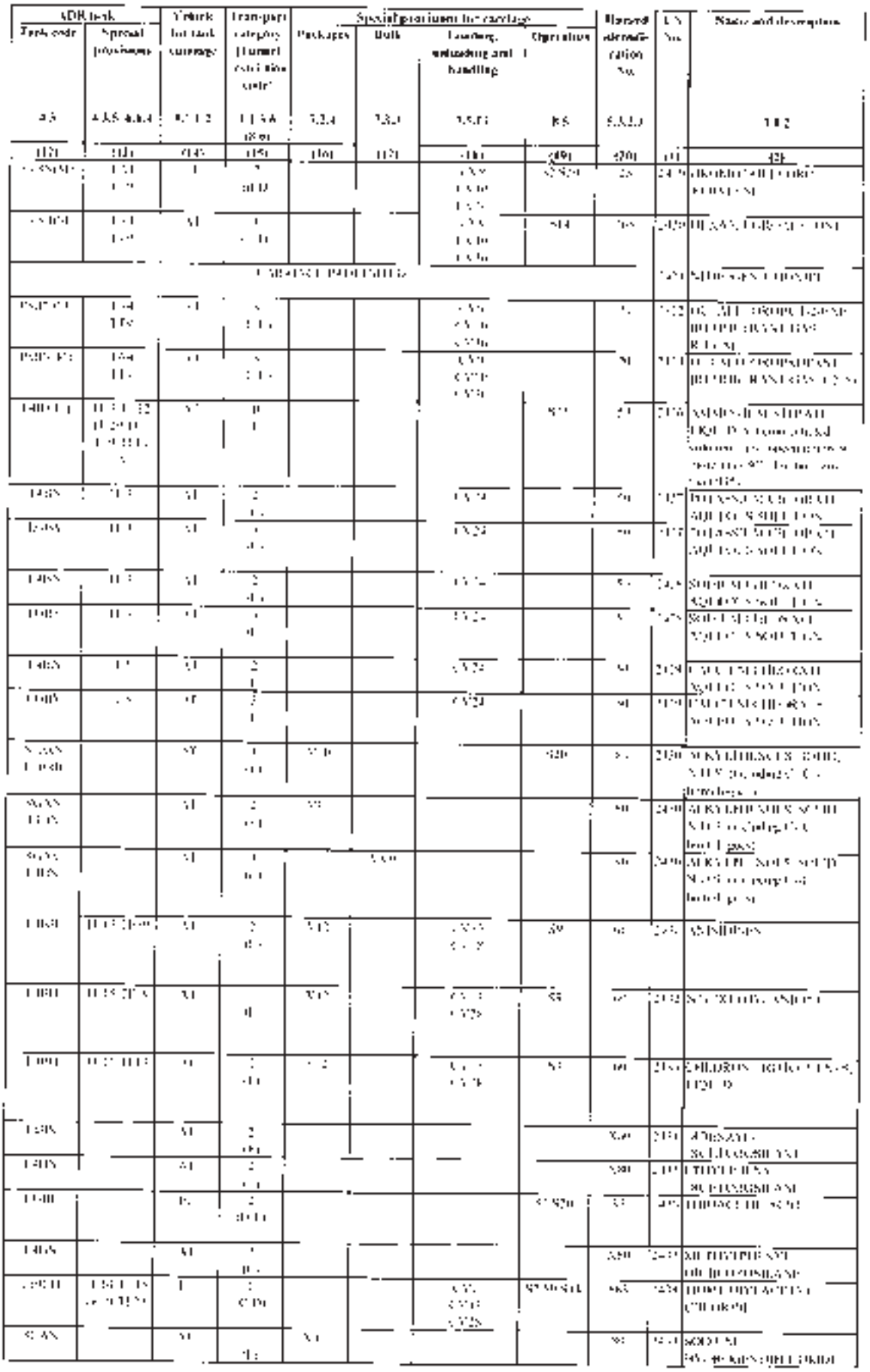
[illegible]	CARBONYL FLUORIDE	2	[illegible]		[illegible]		[illegible]	[illegible]	P200		[illegible]	[illegible]	
[illegible]	SULPHUR TETRAFLUORIDE	2	[illegible]		[illegible]		[illegible]	[illegible]	P200		[illegible]		



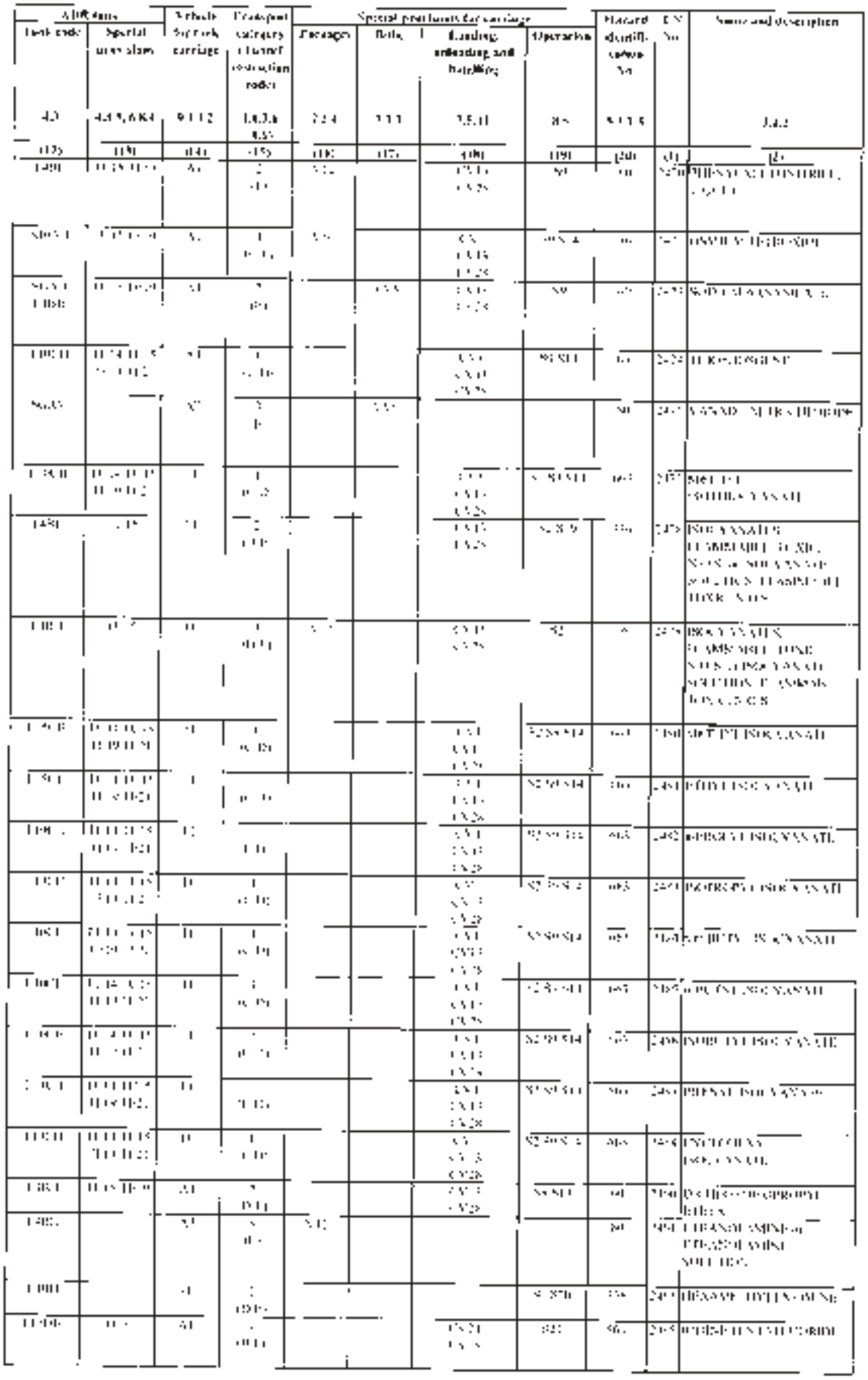
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and Instructions	Special provisions
	1.1.2	2.2	2.1	2.1.1.1	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.3.4	4.1.10	4.2.5.2 [illegible]	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2419	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2420	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2421	[illegible]	[illegible]	[illegible]	[illegible]									
2422	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2423	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2424	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2425	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
2426	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2427	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2428	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2429	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2430	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2431	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2432	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2433	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2434	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2435	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2436	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2437	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2438	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2439	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



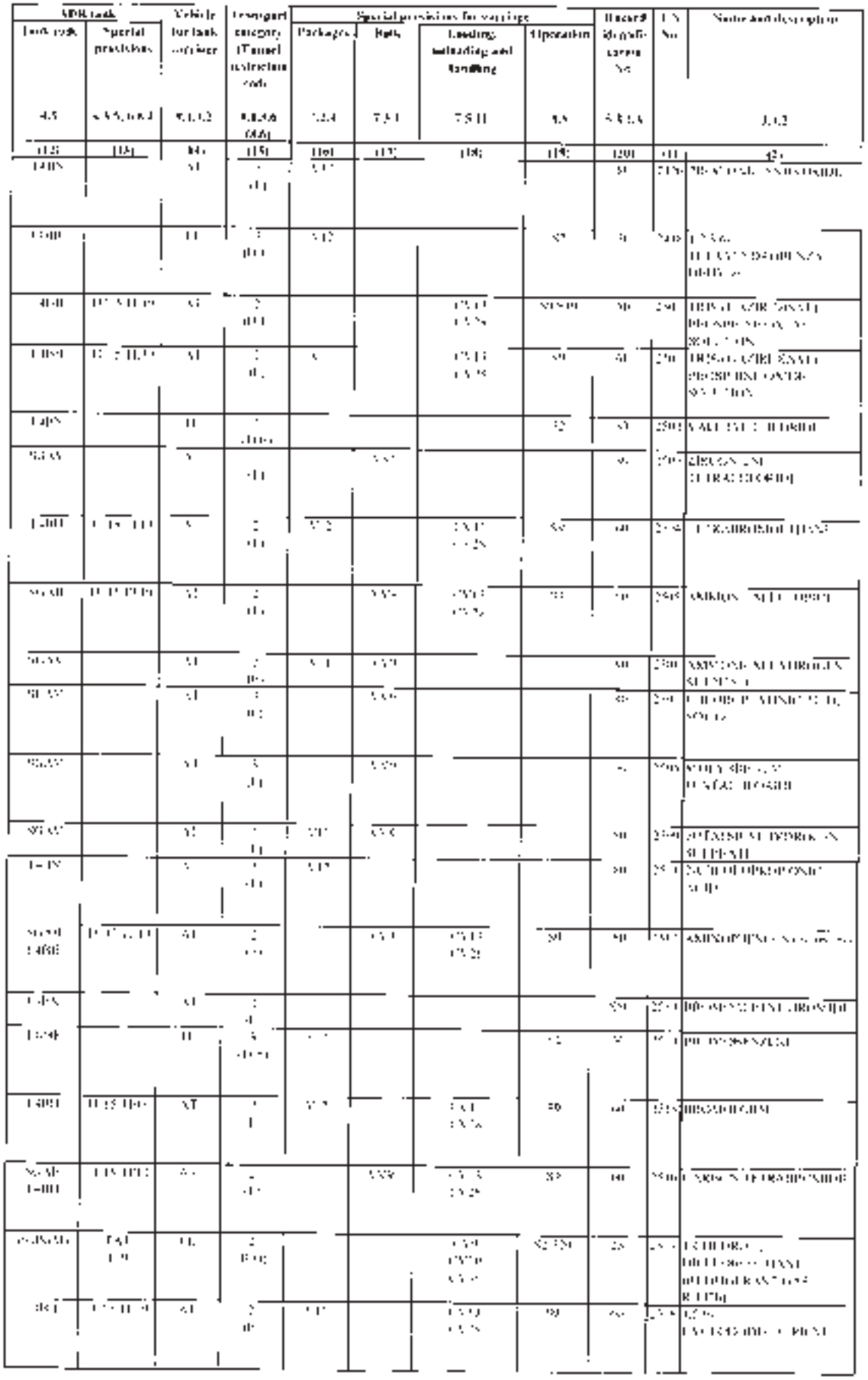
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2440	STANNIC CHLORIDE PENTAHYDRATE	8	C2	III	8		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	SC4	I	4.2 +8	537		E0	P404		MP13		
2442	TRICHLOROACETYL CHLORIDE	8	C3	II	8		0	E0	P001		MP15	T7	TP2
2443	VANADIUM OXYTRICHLORIDE	8	C1	II	8		1 L	E2	P001 IBC02		MP15	T7	TP2
2444	VANADIUM TETRACHLORIDE	8	C1	I	8		0	E0	P802		MP8 MP17	T10	TP2
2446	NITROCRESOLS, SOLID	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	ST3	I	4.2 +6.1		0	E0				T21	TP3 TP7 TP26
2448	SULPHUR, MOLTEN	4.1	F3	III	4.1	538	0	E0					TP3
2451	NITROGEN TRIFLUORIDE	2	2O		2.2 +5.1		0	E0	P200		MP9	(M)	
2452	ETHYLACETYLENE, STABILIZED	2	2F		2.1		0	E0	P200		MP9	(M)	
2453	ETHYL FLUORIDE (REFRIGERANT GAS R 161)	2	2F		2.1		0	E0	P200		MP9	(M)	
2454	METHYL FLUORIDE (REFRIGERANT GAS R 41)	2	2F		2.1		0	E0	P200		MP9	(M)	
2455	METHYL NITRITE	2	2A	CARRIAGE PROHIBITED									
2456	2-CHLOROPROPENE	3	F1	I	3		0	E3	P001		MP7 MP17	T11	TP2
2457	2,3-DIMETHYLBUTANE	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2458	HEXADIENES	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2459	2-METHYL-1-BUTENE	3	F1	I	3		0	E3	P001		MP7 MP17	T11	TP2
2460	2-METHYL-2-BUTENE	3	F1	II	3		1 L	E2	P001 IBC02	538	MP19	T7	TP1
2461	METHYLPENTADIENES	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2463	ALUMINIUM HYDRIDE	4.3	W2	I	4.3			E0	P403		MP2		
2464	BERYLLIUM NITRATE	5.1	OT2	II	5.1 +6.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
2465	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS	5.1	O2	II	5.1	135	1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
2466	POTASSIUM SUPEROXIDE	5.1	O2	I	5.1		0	E0	P503 IBC06		MP2		
2468	TRICHLOROISOCYANURIC ACID, DRY	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
2469	ZINC BROMATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]		[illegible]			[illegible]	2440	STANNIC CHLORIDE PENTAHYDRATE
			[illegible]	[illegible]			[illegible]		2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC
[illegible]		[illegible]	[illegible]					[illegible]	2442	TRICHLOROACETYL CHLORIDE
[illegible]		[illegible]	[illegible]					[illegible]	2443	VANADIUM OXYTRICHLORIDE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2444	VANADIUM TETRACHLORIDE
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	2446	NITROCRESOLS, SOLID
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	2447	PHOSPHORUS, WHITE, MOLTEN
[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	2448	SULPHUR, MOLTEN
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	2451	NITROGEN TRIFLUORIDE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2452	ETHYLACETYLENE, STABILIZED
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2453	ETHYL FLUORIDE (REFRIGERANT GAS R 161)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2454	METHYL FLUORIDE (REFRIGERANT GAS R 41)
CARRIAGE PROHIBITED									2455	METHYL NITRITE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2456	2-CHLOROPROPENE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2457	2,3-DIMETHYLBUTANE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2458	HEXADIENES
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2459	2-METHYL-1-BUTENE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2460	2-METHYL-2-BUTENE
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	2461	METHYLPENTADIENE
			[illegible]	[illegible]		[illegible]	[illegible]		2463	ALUMINIUM HYDRIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	2464	BERYLLIUM NITRATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	2465	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS
			[illegible]	[illegible]		[illegible]	[illegible]		2466	POTASSIUM SUPEROXIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	2468	TRICHLOROISOCYANURIC ACID, DRY
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	2469	ZINC BROMATE

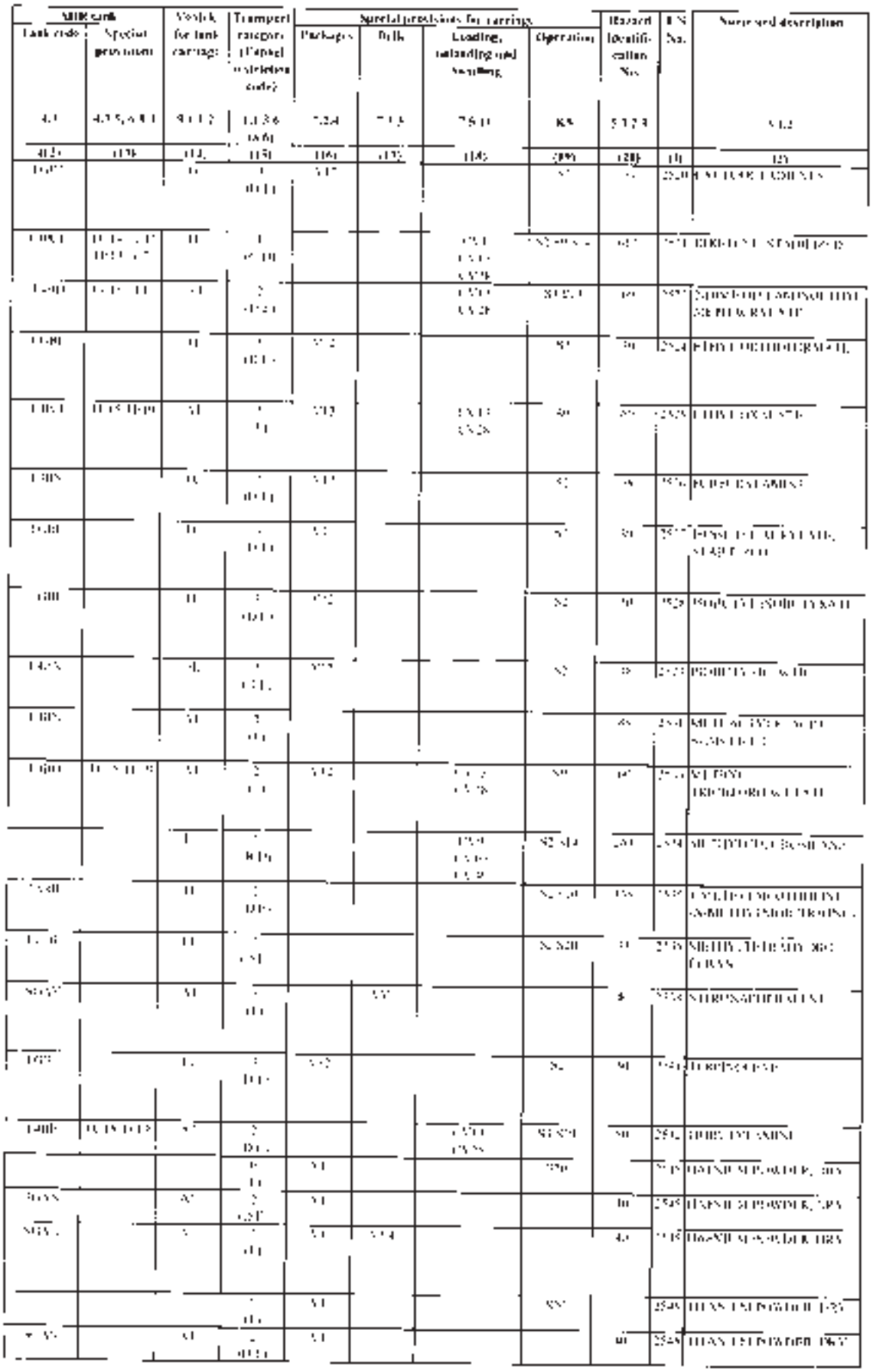
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2470	PHENYLACETONITRILE LIQUID	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T14	TP2
2471	OSMIUM TETROXIDE	6.1	T2	I	6.1		1	1 L	P002 IBC07	P099	MP8	T6	TP5
2472	SODIUM BENZENEARSONATE	6.1	T1	II	6.1		500 g	1 L	P002 IBC08 LP02 R001	B1	MP9	T7	TP5
2473	PARATHIONETHYL	6.1	T1	I	6.1	274 274	1	10 L	P002		MP5 MP7	T20	TP2 TP7
2474	THIOPHOSGENE	6.1	T1	III	6.1		5 L	1 L	P001 IBC08 LP01 R001	B1	MP19	T7	TP3
2475	VANADIUM TRICHLORIDE SOLID	6.1	T1	III	6.1	274	1	10 L	P002		MP5 MP7	T20	TP2 TP7
2476	VALERYL CHLORIDE	3	F1	II	3 6.1	274	1 L	1 L	P001 IBC02		MP19	T7	TP2
2477	METHYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	F1	II	3 6.1	274 274	1 L	1 L	P001 IBC02		MP19	T7	TP2 TP7
2479	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.		F1	III	3 6.1	274	5 L	1 L	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28
2480	METHYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5	T20	TP2
2481	ETHYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2482	n-PROPYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2483	ISOPROPYL ISOCYANATE	6.1	T1		6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2484	tert-BUTYL ISOCYANATE	6.1	T1		6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2485	n-BUTYL ISOCYANATE	6.1	T1		6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2486	ISOBUTYL ISOCYANATE	6.1	T1		6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2487	PHENYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2488	CYCLOHEXYL ISOCYANATE	6.1	T1	I	6.1 3	274	0	10	P012		MP5 MP7	T20	TP2 TP7
2489	DICHLOROISOPROPYL ETHER	6.1	T1	II	6.1		100 L	1 L	P001 IBC02		MP19	T7	TP2
2490	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	C7	II	8		5 L	1 L	P001 IBC02 LP01 R001		MP19	T7	TP2
2491	ETHYLENEIMINE	3	F1	II	3 6.1		1 L	1 L	P001 IBC02		MP19	T7	TP2
2492	n-BUTYLAMINE	3	F1	III	3 8		5 L	1 L	P001 IBC03		MP19	T7	TP2



UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4		4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2456	[illegible]	3	[illegible]	II	3		[illegible]	[illegible]	P001 IBC02 R001		MP19	T4	TP1
2457	[illegible]	3	[illegible]	III	3		[illegible]	[illegible]	P001 IBC03 R001		MP19	T2	TP1
2458	[illegible]	3	[illegible]	II	3		[illegible]	[illegible]	P001 IBC02		MP19	T4	TP1
2459	[illegible]	3	[illegible]	III	3		[illegible]	[illegible]	P001 IBC03		MP19	T2	TP1
2460	[illegible]	3	[illegible]	II	3		1 L	P001	P001 IBC02 R001		MP19	T4	TP1
2461	[illegible]	3	[illegible]	III	3		5 L	P001	P001 IBC03 R001		MP19	T2	TP1
2462	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2463	[illegible]	6.1	[illegible]	II	6.1		1 kg	P002	P002 IBC02 R001		MP19	T4	TP33
2464	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC03 R001		MP19	T2	TP33
2465	[illegible]	5.1	[illegible]	II	5.1		1 kg	P002	P002 IBC02 R001		MP19	T4	TP33
2466	[illegible]	5.1	[illegible]	III	5.1		5 kg	P002	P002 IBC03 R001		MP19	T2	TP33
2467	[illegible]	5.1	[illegible]	II	5.1		1 kg	P002	P002 IBC02 R001		MP19	T4	TP33
2468	[illegible]	5.1	[illegible]	III	5.1		5 kg	P002	P002 IBC03 R001		MP19	T2	TP33
2469	[illegible]	6.1	[illegible]	II	6.1		1 kg	P002	P002 IBC02 R001		MP19	T4	TP33
2470	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC03 R001		MP19	T2	TP33
2471	[illegible]	8	[illegible]	II	8		1 L	P001	P001 IBC02 R001		MP19	T7	TP2
2472	[illegible]	8	[illegible]	III	8		5 L	P001	P001 IBC03 R001		MP19	T4	TP2
2473	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2474	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2475	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2476	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2477	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2478	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2479	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2480	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2481	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2482	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2483	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2484	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2485	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2486	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2487	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2488	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2489	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2490	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2491	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2492	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2493	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2494	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2495	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2496	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2497	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2498	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2499	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33
2500	[illegible]	6.1	[illegible]	III	6.1		5 kg	P002	P002 IBC08 R001		MP19	T1	TP33



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(8a)	(8b)	(10)	(11)
2556	[illegible]	1	[illegible]	III			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2557	[illegible]	6.1	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2558	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2559	[illegible]	3	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2560	[illegible]	3	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2561	[illegible]	3	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2562	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2563	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2564	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2565	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2566	[illegible]	6.1	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2567	[illegible]	8	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2568	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2569	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2570	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2571	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2572	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2573	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2574	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2575	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2576	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2577	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2578	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2579	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2580	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2581	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2582	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2583	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2584	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2585	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2586	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2587	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2588	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2589	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2590	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2591	[illegible]	2	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
2592	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2593	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2594	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2595	[illegible]	3	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2596	[illegible]	3	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2597	[illegible]	3	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2598	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2599	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2600	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]



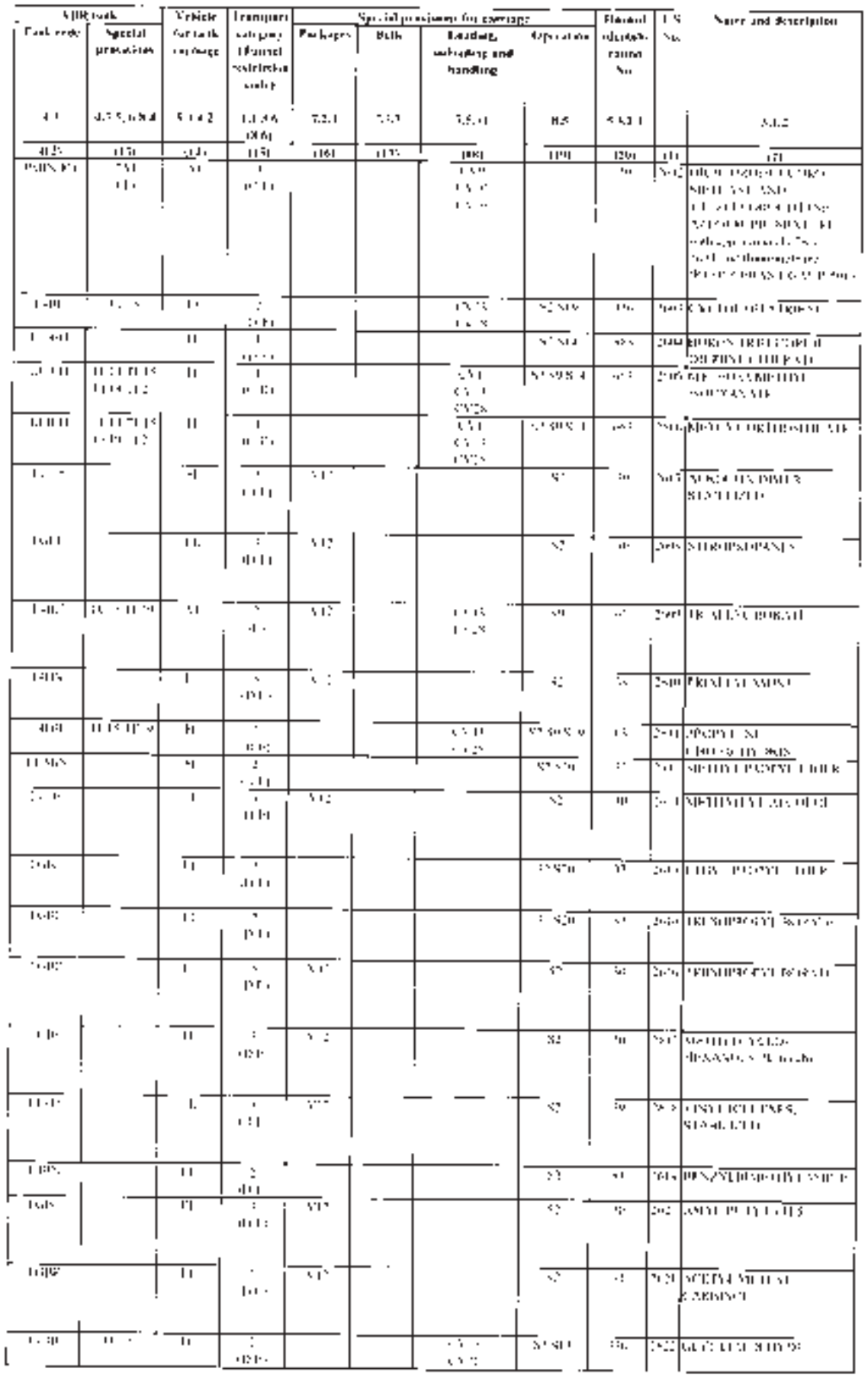
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	3.2	3.2	5.2.2	3.3	3.4	3.5.1.2		4.1.4	4.1.4	4.1.10	4.2.5.2 and 5.4.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2240	CHROMOSULPHURIC ACID	8	8	III			1 kg	E1	P001 IBC03 LP02 R001		MP19	T7	TP2 TP10
2245	CYCLOPENTANOL	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2246	CYCLOPENTANONE	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2247	n-DECANE	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2248	DI-n-BUTYLAMINE	8	C7	II	8		1 L	E2	P001 IBC02 R001		MP15	T7	TP2
2249	DICHLORODIMETHYLSILANE	4.3	WF1	I	4.3, 8		0	E0	P010		MP14	T10	TP2 TP13
2250	TRICHLOROVINYLSILANE	4.3	WF1	I	4.3, 8		0	E0	P010		MP14	T10	TP2 TP13
2251	BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED	3	F1	II		386	1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2252	1,2-DIMETHOXYETHANE	3	F1	II			1 L	E2	P001 IBC02 R001		MP19	T7	TP1
2253	N,N-DIMETHYLAMMONIUM CHLORIDE	8	C9	III			5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2254	MATCHES, FIRE-LIGHTER TYPE	4.1	F3	III		293	1 kg	E0	P002 IBC08 LP02 R001		MP19	T1	TP33
2256	CYCLOHEXENE	3	F1	II			1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2257	POTASSIUM	4.3	W2	I	4.3		0	E0	P010		MP14	T10	TP2 TP7 TP33
2258	1,2-PROPYLENEDIAMINE	8	C7	II	8, 3		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2259	TRIETHYLENETETRAMINE	8	C9	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2260	TRIPROPYLAMINE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2261	XYLENOLS	6.1	T2	III			5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2262	DIMETHYLCARBAMOYL CHLORIDE	8	C3	II	8		0	E0	P010		MP14	T10	TP2 TP13
2263	DIMETHYLCYCLOHEXANES	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2264	N,N-DIMETHYLCYCLOHEXYLAMINE	8	C7	II	8, 3		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2265	N,N-DIMETHYLFORMAMIDE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2266	DIMETHYL-N-PROPYLAMINE	3	F1	II	3, 8		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2267	DIMETHYLTHIOPHOSPHORYL CHLORIDE	8	C3	II	8		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2268	DIMETHYLTHIOPHOSPHORYL CHLORIDE	8	C3	II	8		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2269	DIMETHYLTHIOPHOSPHORYL CHLORIDE	8	C3	II	8		1 L	E2	P001 IBC02 R001		MP15	T7	TP1
2270	ETHYLAMINE, AQUEOUS SOLUTION	3	F1	II	8		1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP29
2271	ETHYLAMYLKETONE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2272	N-ETHYLANILINE	6.1	T1	II	6.1		100 g	E2	P002 IBC02 R001		MP15	T7	TP1
2273	2-ETHYLANILINE	6.1	T1	II	6.1		100 g	E2	P002 IBC02 R001		MP15	T7	TP1
2274	N-ETHYLANILINE	6.1	T1	II	6.1		100 g	E2	P002 IBC02 R001		MP15	T7	TP1
2275	2-ETHYLBUTANOL	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2276	2-ETHYLBUTYRALDEHYDE	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T7	TP1
2277	ETHYL CHLOROTHIOFORMATE	6.1	T1	I	6.1, 8		0	E0	P001 IBC02 R001		MP14	T10	TP2 TP13
2278	n-HEPTENE	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
2279	HEXAMETHYLENEDIAMINE, SOLID	8	C9	III			5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2280	HEXAMETHYLENEDIISOCYANATE	6.1	T1	III			5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2281	HEXAMETHYLENEDIISOCYANATE, MONOMER MIXTURE	6.1	T1	III			5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2282	HEXANOLS	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2283	ISOBUTYL METHACRYLATE, STABILIZED	3	F1	III		386	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2284	ISOBUTYRONITRILE	3	F1	II	3, 6.1		1 L	E2	P001 IBC02 R001		MP19	T7	TP1
2285	ISOCYANATOBENZOTRIFLUORIDES	6.1	T1	II	6.1		100 g	E2	P002 IBC02 R001		MP15	T7	TP1
2286	PENTAMETHYLHEPTANE	3	F1	III			5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

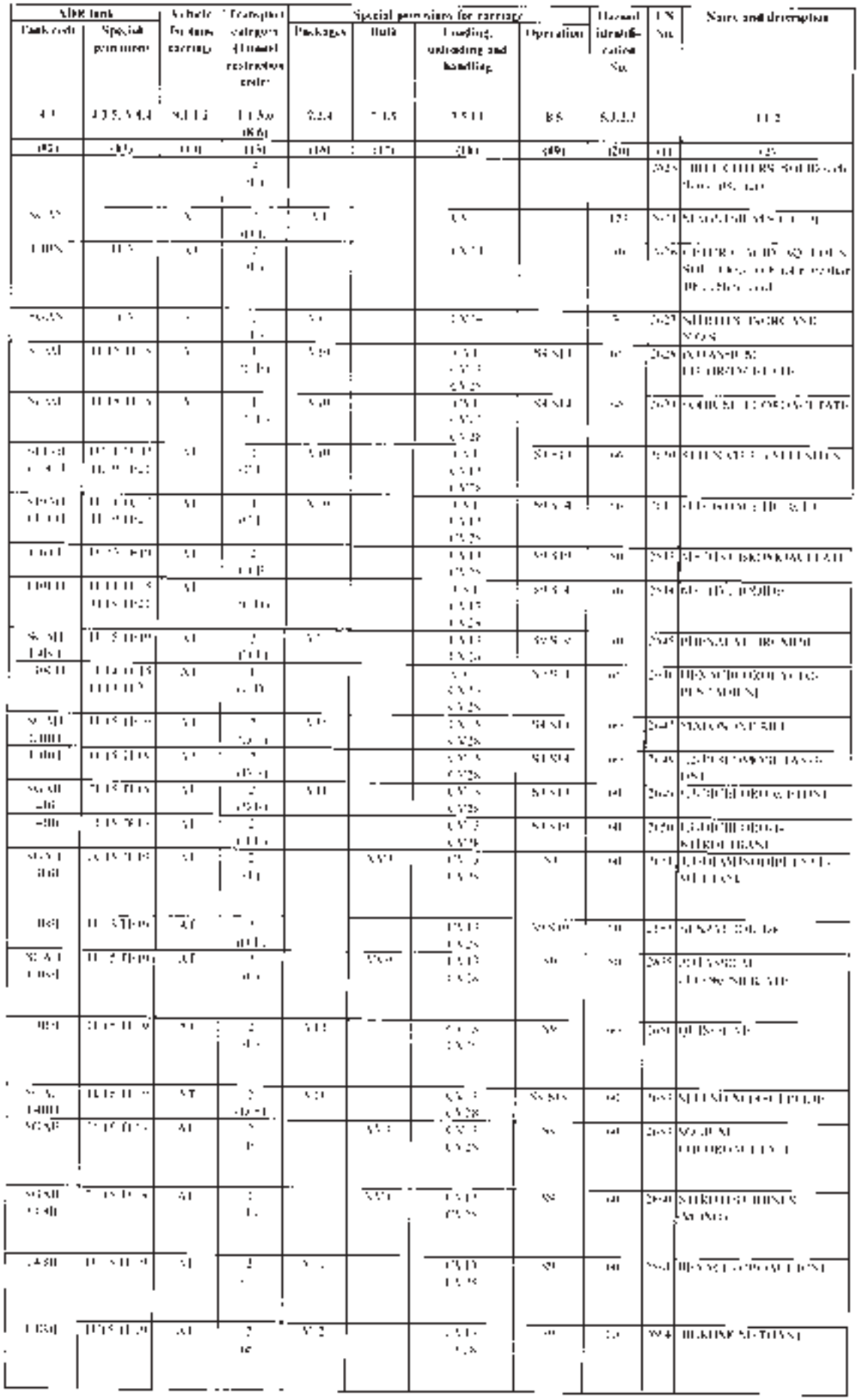
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2578	PHOSPHORUS TRIOXIDE	8	C2	III	8		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2579	PIPERAZINE	8	C8	III	8		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2580	ALUMINIUM BROMIDE SOLUTION	8	C1	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2581	ALUMINIUM CHLORIDE SOLUTION	8	C1	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2582	FERRIC CHLORIDE SOLUTION	8	C1	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8	C2	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	C3	II	8		1 L	E2	P001 IBC02		MP15	T8	TP2
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8	C4	III	8		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	C3	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2587	BENZOQUINONE	6.1	T2	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	I	6.1	61 274 648	0	E5	P002 IBC07		MP18	T6	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	II	6.1	61 274 648	500 g	E4	P002 IBC08	B4	MP10	T3	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	III	6.1	61 274 648	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2589	VINYL CHLOROACETATE	6.1	TF1	II	6.1 +3		100 ml	E4	P001 IBC02		MP15	T7	TP2
2590	WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)	9	M1	III	9	168 542	5 kg	E1	P002 IBC08 R001	PP37 B4	MP10	T1	TP33
2591	XENON, REFRIGERATED LIQUID	2	3A		2.2	593	120 ml	E1	P203		MP9	T75	TP5
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane (REFRIGERANT GAS R 503)	2	2A		2.2		120 ml	E1	P200		MP9	(M)	
2601	CYCLOBUTANE	2	2F		2.1		0	E0	P200		MP9	(M)	

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Bulk	Loading, unloading and handling	Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2578	PHOSPHORUS TRIOXIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2579	PIPERAZINE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2580	ALUMINIUM BROMIDE SOLUTION
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2581	ALUMINIUM CHLORIDE SOLUTION
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2582	FERRIC CHLORIDE SOLUTION
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80	2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	2587	BENZOQUINONE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	2588	PESTICIDE, SOLID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	2588	PESTICIDE, SOLID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	2588	PESTICIDE, SOLID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63	2589	VINYL CHLOROACETATE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	2590	WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	2591	XENON, REFRIGERATED LIQUID
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	2601	CYCLOBUTANE

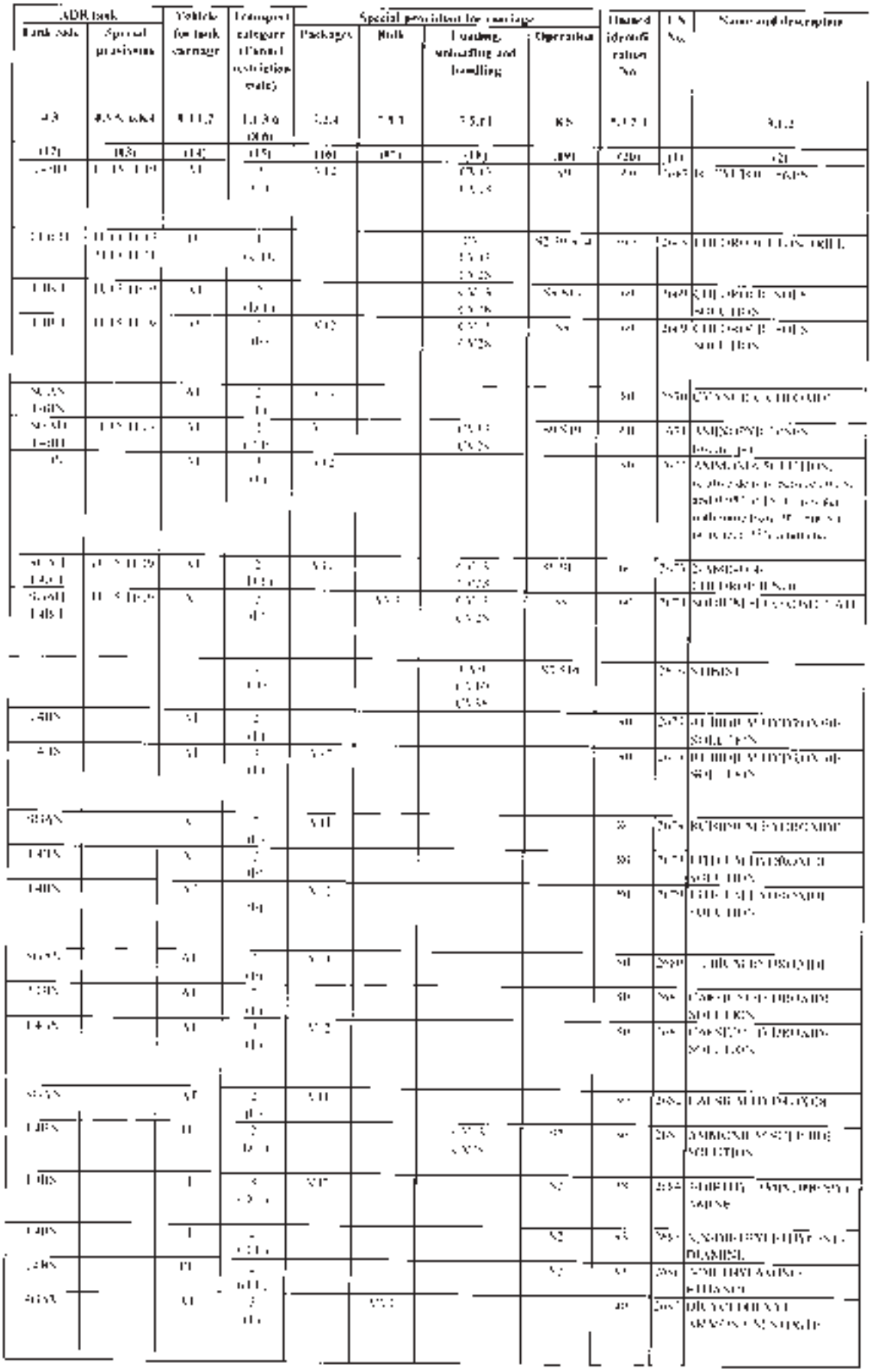
UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	4.2	4.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2602	DICHLORODIFLUOROMETHANE AND CHLORODIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane (REFRIGERANT GAS)	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		MP5	[illegible]	
2603	CYCLOHEPTATRIENE	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	[illegible]	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		MP5 MP[illegible]	[illegible]	[illegible]
2605	METHOXYMETHYL ISOCYANATE	[illegible]	[illegible]	I	[illegible]	[illegible]		[illegible]	[illegible]		[illegible] MP[illegible]	[illegible]	[illegible]
2606	METHYL ORTHOMIDATE	[illegible]	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible] MP[illegible]	[illegible]	[illegible]
2607	NOROLE INTONIER, NOMELIZED	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2608	NITROPROPANES	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2609	TRIALLYL BORATE	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		
2610	TRIALLYLAMINE	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2611	PROPYLENE CHLOROHYDRIN	[illegible]	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2612	METHYL PROPYL ETHER	[illegible]	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2613	METHYLALLYL ALCOHOL	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2614	ETHYL PROPYL ETHER	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2615	TRIISOPROPYL BORATE		[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2616	TRIISOPROPYL BORATE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2617	METHYLCYCLOHEXANOLS (flammable)	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2618	VINYLTOLUENES STABILIZED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2619	BENZYLDIMETHYLAMINE	[illegible]	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2620	AMYL BUTYRATES	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2621	ACETYLMETHYL CARBINOL	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
2622	GLYCIDALDEHYDE	[illegible]	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4.4	4.1.10	4.2.5.1, 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1	1	III	4.1		5 kg	1	P002 IBC03 LP02 R001	PP[illegible]	MP19		
2624	MAGNESIUM SILICIDE	4.3	6.1	II	4.3		500 g	1.1	P410 IBC[illegible]		MP14	T3	TP33
2625	CALCIUM RESINATE	4.1	11	II	4.1	11	1 kg	1.2	P001 IBC02		MP2	T1	TP1
2626	NITRITES, INORGANIC, AQUEOUS SOLUTION, not elsewhere specified	5.1	11	II	5.1	11, 274	1 kg	1.2	P002 IBC02	64	MP10	T4	TP2
2627	POTASSIUM NITRITE	5.1	12	I	5.1			1.5	P002 IBC08		MP15	T6	TP33
2628	POTASSIUM FLUOROACETATE	6.1	12	I	6.1			1.5	P002 IBC08		MP15	T6	TP33
2629	SODIUM FLUOROACETATE	6.1	12	I	6.1			1.5	P002 IBC08		MP15	T6	TP33
2630	SELENATES or SELENITES	6.1	15	I	6.1	274		1.5	P002 IBC07		MP15	T6	TP33
2642	FLUOROACETIC ACID	6.1	12	I	6.1			1.5	P002 IBC07		MP15	T6	TP33
2643	METHYL BROMOACETATE	6.1	11	II	6.1		100 ml	1.4	P001 IBC02		MP19	T7	TP2
2644	METHYL IODIDE	6.1	11	I	6.1	274	1	1.0	P002		MP9 MP19	T20	TP2 TP13
2645	PHENYLMERCURIC ACETATE	6.1	11	I	6.1		500 g	1.4	P002 IBC02	64	MP19	T3	TP33
2646	HEXACHLOROCYCLOPENTADIENE	6.1	11		6.1	274	1	1.0	P002		MP9 MP19	T20	TP2 TP13
2647	MALONONITRILE	6.1	12	I	6.1		500 g	1.4	P002 IBC08	64	MP19	T3	TP33
2648	1,2-DIBROMOBUTAN-3-ONE	6.1	11	II	6.1		100 ml	1.4	P001 IBC02		MP15		
2649	1,3-DICHLOROACETONE	6.1	12	I	6.1		500 g	1.4	P002 IBC08	64	MP19	T3	TP33
2650	1-CHLORO-2,3-EPOXYPROPANE	6.1	11	II	6.1		100 ml	1.4	P001 IBC02		MP15	T7	TP2
2651	4,4-DIAMINODIPHENYLMETHANE	6.1	15	I	6.1		5 kg	1.2	P002 IBC08 LP02 R001	64	MP10	T1	TP33
2653	BENZYL IODIDE	6.1	11	I	6.1		100 ml	1.4	P001 IBC02		MP19	T7	TP2
2655	POTASSIUM FLUOROSILICATE	6.1	12	III	6.1		5 kg	1.1	P002 IBC08 LP02 R001	64	MP10	T3	TP33
2656	QUINOLINE	6.1	11	III	6.1		5 l	1.1	P001 IBC03 LP01 R001		MP19	T4	TP1
2657	SELENIUM DISULPHIDE	6.1	15	II	6.1		500 g	1.4	P002 IBC08	64	MP10	T3	TP33
2659	SODIUM CHLOROACETATE	6.1	15	III	6.1		5 kg	1	P002 IBC08 LP02 R001	64	MP19	T1	TP33
2660	NITROTOLUIDINES (MONO)	6.1	12	III	6.1		5 kg	1	P002 IBC08 LP02 R001	64	MP19	T1	TP33
2661	HEXACHLOROACETONE	6.1	11	III	6.1		5 l	1	P001 IBC03 LP01 R001		MP19	T4	TP1
2664	DIBROMOMETHANE	6.1	11	III	6.1		5 l	1.1	P001 IBC03 LP01 R001		MP19	T4	TP1



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	4.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2026	[illegible]	6.1	11	-	-		< 1	1	P001 IBC02 LP01 R001		MP19	T4	TP1
2027	[illegible]	6.1	11		6.1	53		1+	P002		MP19 MP20	T7	TP2 TP27
2028	[illegible]	6.1	11	II	6.1		100 g	1 g	P001		MP19	T7	TP2
2029	[illegible]	6.1	11	III	6.1		< 1	1	P001 LP01 R001		MP19	T7	T1
2030	[illegible]	6	6.2	II	6		1 g	1 g	P650		MP19	T7	T1
2031	[illegible]	6.1	P	II	6		1 g	1 g	P602 IBC06 LP01 R001		MP19	T7	T1
2032	[illegible]	6.1	11	I	6.1		< 1	1	P001 IBC02 LP01 R001		MP19	T7	T1
2033	[illegible]	6.1	11	II	6.1		1 g	1 g	P001 IBC02		MP19	T7	T1
2034	[illegible]	6.1	11	III	6.1		5 g	5 g	P001 IBC03 LP01 R001		MP19	T7	T1
2035	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2036	[illegible]	3	3.1	III	3		5 L	5 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2037	[illegible]	2	2.1		2.1		1	1 kg	P200		MP9		
2038	[illegible]	6	6.1	II	6		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2039	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2040	[illegible]	6.1	11	II	6.1		1 g	1 g	P002 IBC08 LP01 R001		MP19	T7	TP2
2041	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2042	[illegible]	6.1	11	II	6.1		1 g	1 g	P002 IBC08		MP19	T7	TP2
2043	[illegible]	6.1	11	III	6.1		< 1	1 g	P002 IBC08 LP01 R001		MP19	T4	TP1
2044	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2045	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2046	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2047	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2048	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2049	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2050	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2051	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2052	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2053	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2054	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2055	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2056	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2057	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2058	[illegible]	8	8.1	II	8		1 L	1 L	P001 IBC02 R001		MP19	T7	TP2
2059	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2060	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2061	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2062	[illegible]	6.1	11	II	6.1		1 g	1 g	P002 IBC08 LP01 R001		MP19	T7	TP2
2063	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2064	[illegible]	6.1	11	II	6.1		1 g	1 g	P002 IBC08 LP01 R001		MP19	T7	TP2
2065	[illegible]	3	3.1	II	3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2066	[illegible]	6.1	11	II	6.1		1 g	1 g	P002 IBC08 LP01 R001		MP19	T7	TP2



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exceptional quantities		Packaging			Portable tank and bulk container	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
		2.2	2.2	3.1 1.1	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.4
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(8a)	(8b)	(10)	(11)
2048	[illegible]	3	11	II	3		5 l	1	5m 0.10 L P01 P001		MP19	T4	TP1
2049	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2050	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2051	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2052	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2053	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2054	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2055	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2056	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2057	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2058	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2059	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2060	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2061	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2062	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2063	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2064	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2065	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2066	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2067	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2068	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2069	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2070	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2071	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2072	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2073	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2074	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2075	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2076	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2077	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2078	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2079	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2080	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2081	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2082	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2083	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2084	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2085	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2086	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2087	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2088	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2089	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2090	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2091	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2092	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2093	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2094	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2095	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2096	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2097	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2098	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2099	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1
2100	[illegible]	3	11	II	3		5 l	1	1kg P002 P001 R001		MP19	T4	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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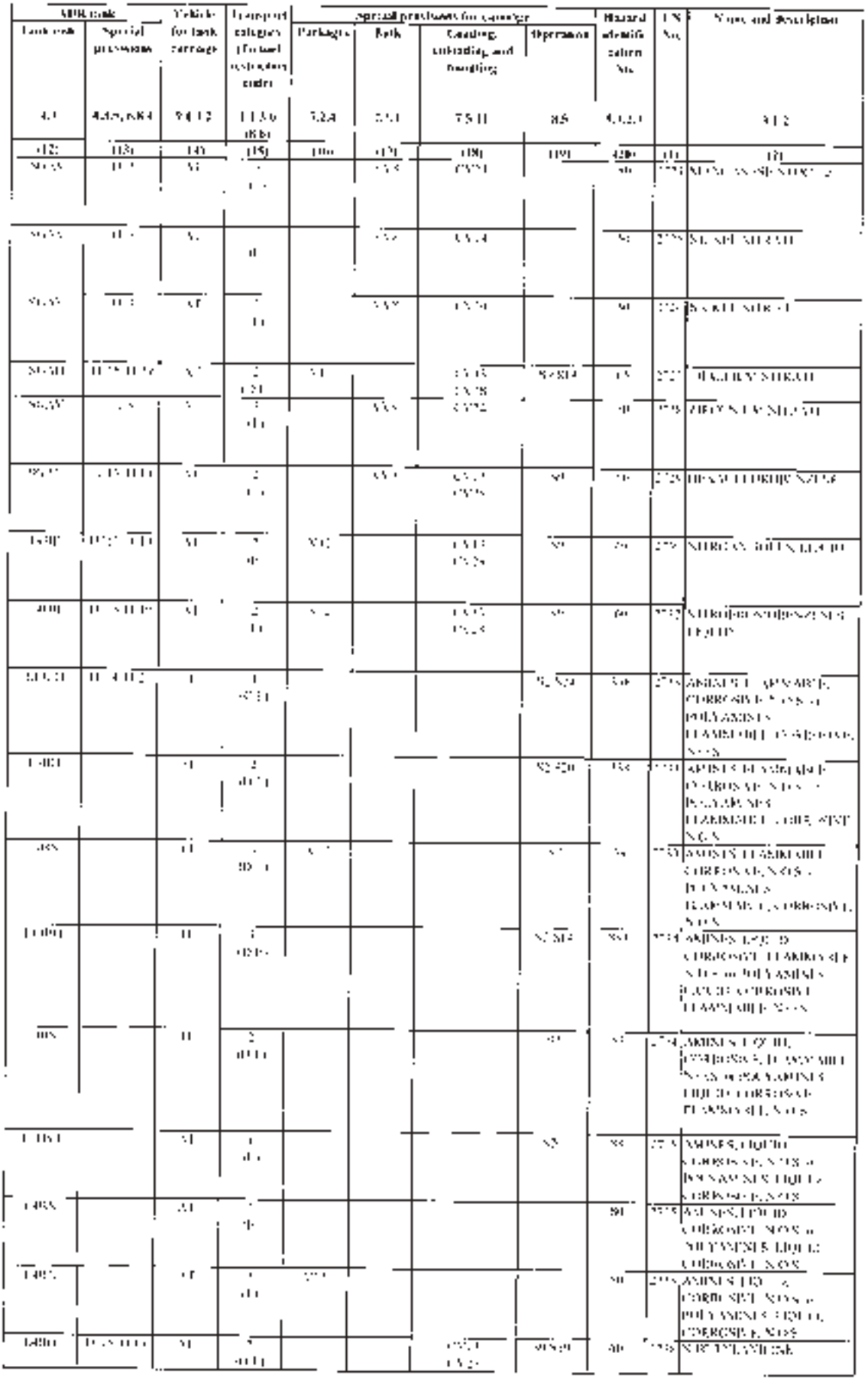
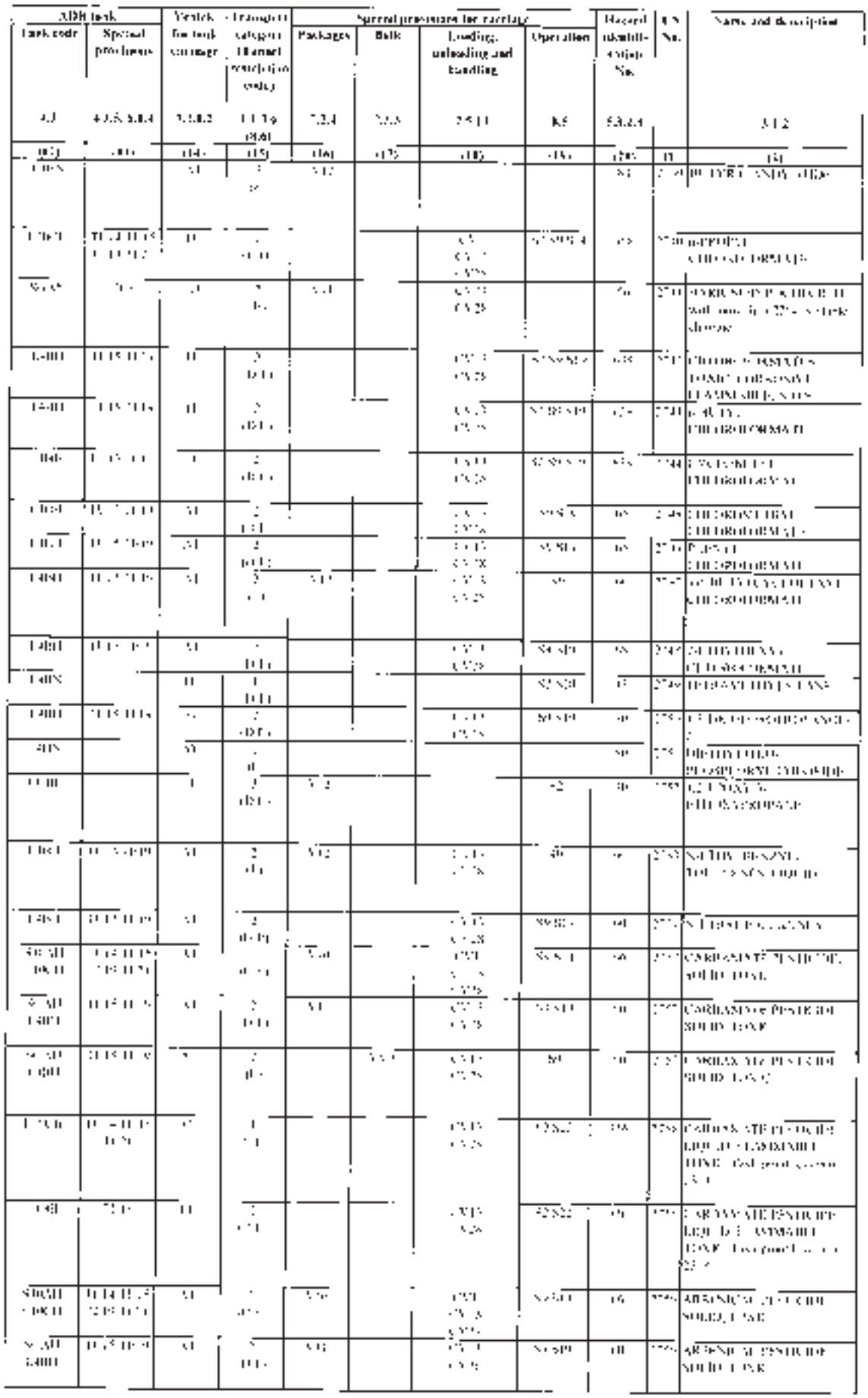
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks and bulk containers: Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2724	MANGANESE NITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2725	NICKEL NITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2726	NICKEL NITRITE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2727	THALLIUM NITRATE	6.1	OT2	II	6.1 +5.1		500 g	E4	P002 IBC06		MP10	T3	TP33
2728	ZIRCONIUM NITRATE	5.1	O2	III	5.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2729	HEXACHLOROBENZENE	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
2730	NITROANISOLES, LIQUID	6.1	T1	III	6.1	279	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2732	NITROBROMOBENZENES, LIQUID	6.1	T1	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	I	3 +8	274 544	0	E0	P001		MP7 MP17	T14	TP1 TP27
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	II	3 +8	274 544	1 L	E2	P001 IBC02		MP19	T11	TP1 TP27
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	III	3 +8	274 544	5 L	E1	P001 IBC03 R001		MP19	T7	TP1 TP28
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	CF1	I	8 +3	274	0	E0	P001		MP8 MP17	T14	TP2 TP27
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	CF1	II	8 +3	274	1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	I	8	274	0	E0	P001		MP8 MP17	T14	TP2 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	II	8	274	1 L	E2	P001 IBC02		MP15	T11	TP1 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2738	N-BUTYLANILINE	6.1	T1	II	6.1		100 ml	E4	P001 IBC02		MP15	T7	TP2



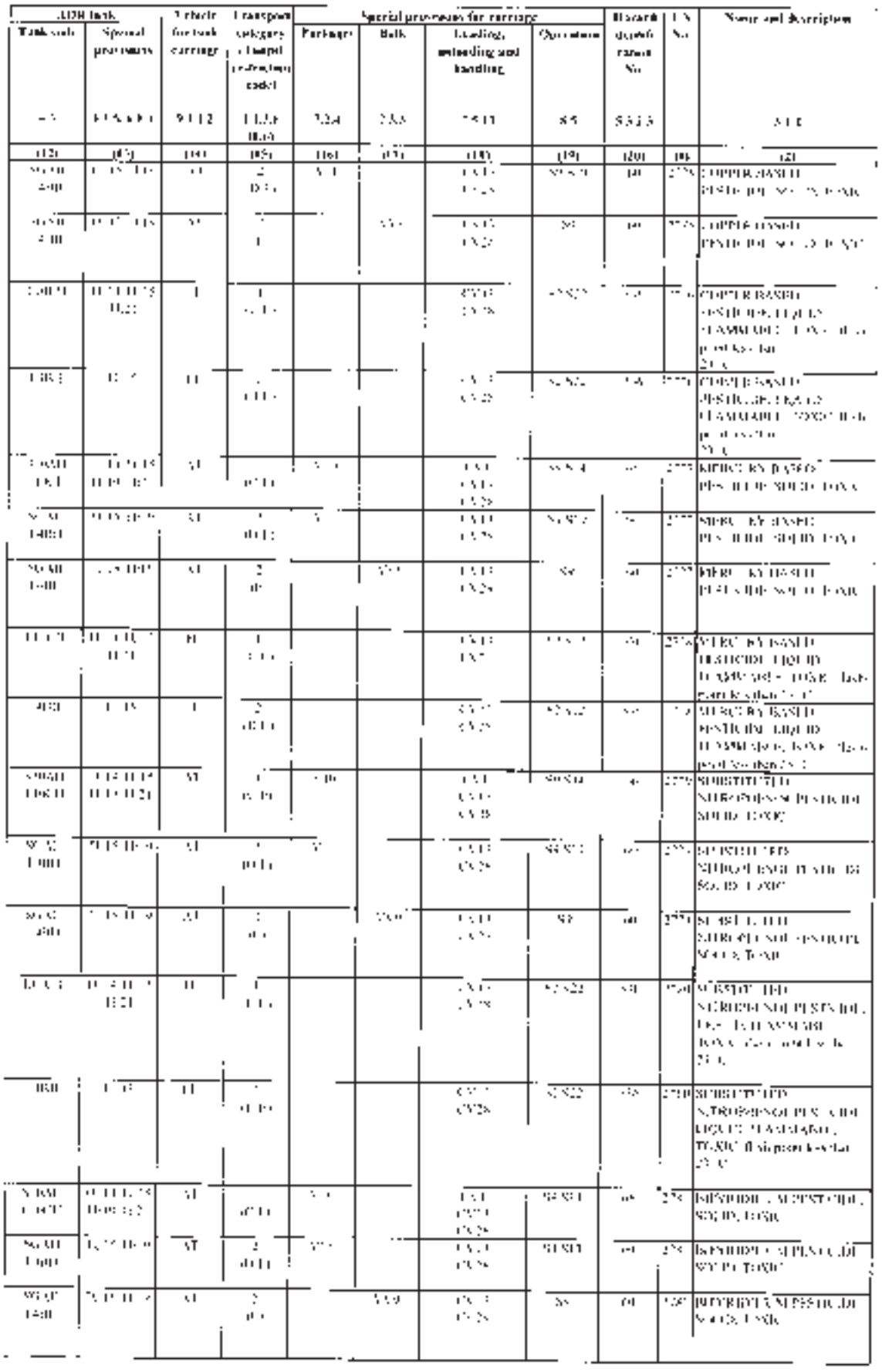
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4 and 3.5		4.1.4	4.1.4	4.1.10	4.2.5.2 and 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2794	BATTERIES, WET, FILLED WITH ACID	8		II	8		1 kg	1 L	P801		MP19	T4	TP1 TP28
2795	BATTERIES, WET, FILLED WITH ALKALI	8		II	8		1 kg	1 L	P801		MP19	T4	TP1 TP28
2796	SULPHURIC ACID with not more than 51 % acid, or battery fluid, acid	8		II	8		1 kg	1 L	P001, IBC02		MP15	T8	TP2
2797	BATTERY FLUID, ALKALI	8		II	8		1 kg	1 L	P001, IBC02		MP15	T7	TP2
2798	PLUTONIUM NITRATE	7					0	0	P003		PP85		
2799	BATTERIES, WET, FILLED WITH ELECTROLYTE, SAFE	8		III	8		5 kg	5 L	P801		MP19	T4	TP1 TP28
2800	BATTERIES, WET, NON-SPILLABLE	8		III	8		5 kg	5 L	P801		MP19	T4	TP1 TP28
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8		III	8		5 kg	5 L	P001		MP19	T4	TP1
2802	COPPER CHLORIDE	8		III	8		5 kg	5 L	P002		MP19	T7	TP1
2803	GALLIUM	8		III	8		5 kg	5 L	P002		MP19	T7	TP1
2804	LITHIUM	4.3		I	4.3		0	0	P402		MP22		
2805	LITHIUM HYDRIDE, FUSED SOLID	4.3		II	4.3		0	0	P410		MP20		
2806	LITHIUM NITRIDE	4.3		I	4.3		0	0	P402		MP22		
2807	MAGNETIZED MATERIAL	9					No limit	No limit	P003		PP85		
2808	MERCURIC ARSENATE	6.1		II	6.1		1 kg	1 L	P002		MP19	T7	TP2
2809	MERCURY	8		III	8		5 kg	5 L	P002		MP19	T7	TP1
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		I	6.1		0	0	P001		MP19	T14	TP2 TP13 TP27
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		I	6.1		0	0	P002		MP19	T14	TP2 TP13 TP27
2812	SODIUM ALUMINATE, SOLID	8		III	8		5 kg	5 L	P002		MP19	T7	TP1
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		I	4.3		0	0	P403		MP22		
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2			6.2		0	0	P620				
2815	N-AMINOETHYLPIPERAZINE	8		III	8		5 kg	5 L	P001		MP19	T4	TP1
2816	SODIUM HYDROGENDIFLUORIDE, SOLID	8		II	8		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2817	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8		II	8		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2818	AMMONIUM POLYSULPHIDE, SOLID	8		II	8		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2819	AMYL ACID PHOSPHATE	8		III	8		5 kg	5 L	P001		MP19	T4	TP1
2820	BUTYRIC ACID	8		III	8		5 kg	5 L	P001		MP19	T4	TP1
2821	PHENOL, SOLID	6.1		II	6.1		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2822	2-CHLOROPYRIDINE	6.1		II	6.1		1 kg	1 L	P001, IBC02		MP15	T7	TP2
2823	CROTONIC ACID, SOLID	8		III	8		5 kg	5 L	P002		MP19	T4	TP1
2824	CYANURIC CHLORIDE	8		II	8		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2825	HYPOCHLOROUS ACID	8		II	8		1 kg	1 L	P001, IBC02		MP15	T7	TP2
2826	ETHYL CHLOROTHIOFORMATE	6.1		I	6.1		0	0	P001		MP19	T14	TP2 TP13 TP27
2827	ISOBUTYL CHLOROFORMATE	6.1		II	6.1		1 kg	1 L	P001, IBC02		MP15	T7	TP2
2828	TERT-BUTYL CHLOROFORMATES	6.1		I	6.1		0	0	P001		MP19	T14	TP2 TP13 TP27
2829	CHLOROACETIC ACID, SOLID	6.1		II	6.1		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2830	LITHIUM FERROSILICON	4.3		II	4.3		1 kg	1 L	P410		MP20		
2831	1,1,1-TRICHLOROETHANE	6.1		III	6.1		5 kg	5 L	P001		MP19	T4	TP1
2832	DRIN, LIQUID, TOXIC, FLAMMABLE, FLASH-POINT less than 23 °C	6.1		I	6.1	3	0	0	P001		MP19	T14	TP2 TP13 TP27
2833	DRIN, LIQUID, TOXIC, FLAMMABLE, FLASH-POINT not less than 23 °C	6.1		I	6.1	3	0	0	P001		MP19	T14	TP2 TP13 TP27
2834	PHOSPHOROUS ACID	8		II	8		1 kg	1 L	P002, IBC08		MP15	T7	TP2
2835	SODIUM ALUMINIUM HYDRIDE	4.3		I	4.3		0	0	P403		MP22		
2836	URANIUM NITRATE HEXAHYDRATE, SOLUTION	8		II	8		1 kg	1 L	P802		MP15	T7	TP2



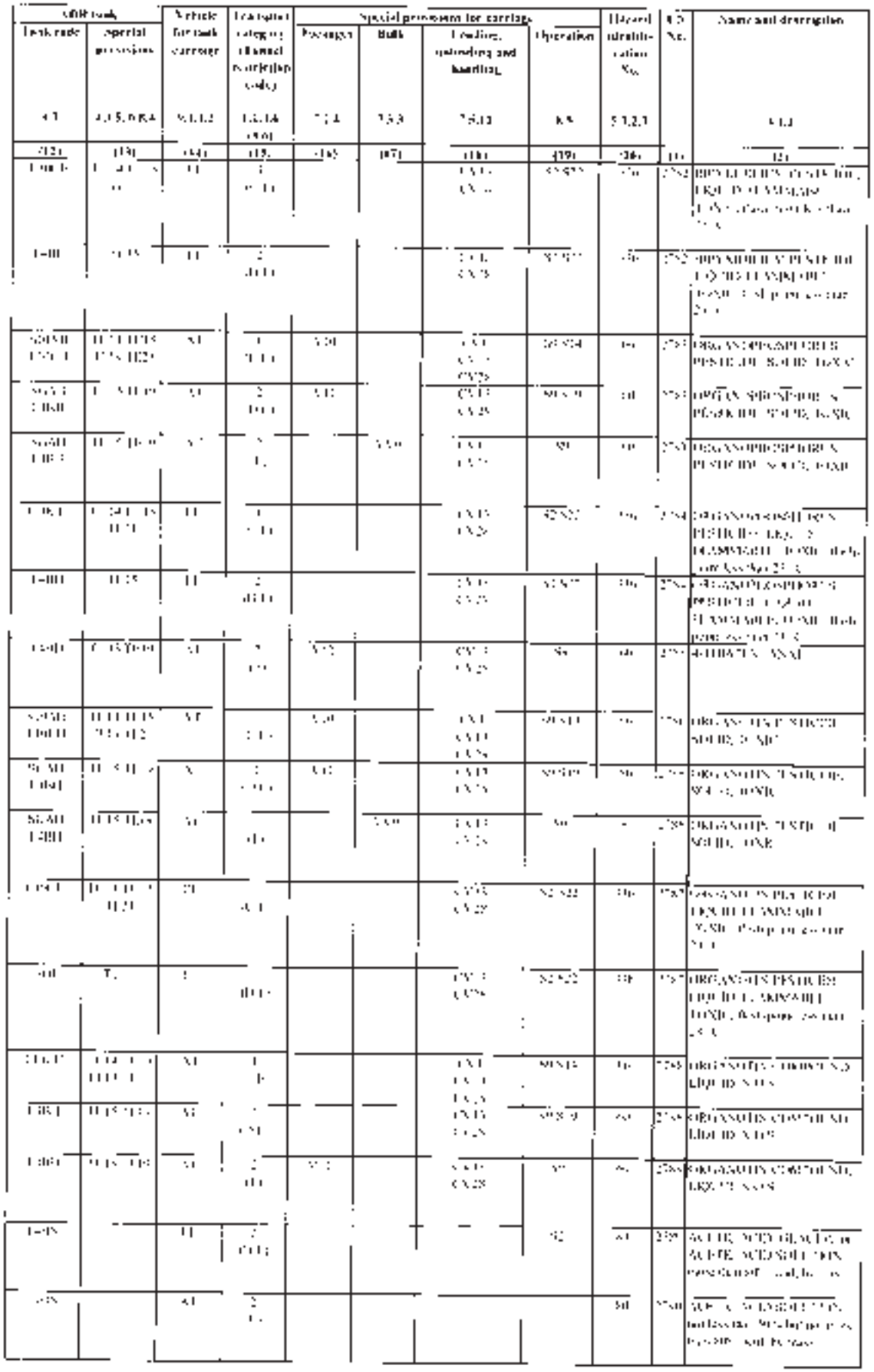
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tanks instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2588	SOLID, N.O.S.	6.1	T7	III	6.1	274	5 kg	E1	P002 IBC08 LP02 R001	B3	MP19	T1	TP33
2589	VINYL CHLORIDE, STABILIZED	2.1	T50	2	2.1	274	1 kg	E0	P200		MP9	T50	TP1 TP11
2590	ASBESTOS, WHITE	9	T3	III	9	274	30 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
2591	XENON, COMPRESSED	2.2	T50	1	2.2	274	50 kg	E0	P200		MP9	T50	TP1 TP11
2592	HYDROGEN CHLORIDE, SOLID	8	T7	II	8	274	1 kg	E2	P002 IBC06 LP02 R001		MP15	T3	TP33
2593	HYDROGEN CYANIDE, STABILIZED	6.1	T7	I	6.1 3	274	0 kg	E4	P001 IBC02		MP7	T14	TP2 TP13
2594	SULPHURYL FLUORIDE	2.3	T50	1	2.3	274	0 kg	E0	P200		MP9	T50	TP1 TP11
2595	CARBONYL FLUORIDE	2.3	T50	1	2.3 8	274	0 kg	E0	P200		MP9	T50	TP1 TP11
2596	METHYLCYCLOPROPANE	2.1	T50	2	2.1	274	1 kg	E0	P200		MP9	T50	TP1 TP11
2597	DIMETHOXYMETHANE	3	T4	II	3	274	5 L	E2	P001 IBC02		MP19	T7	TP1
2598	CHLOROPENTAFLUOROETHANE	2.2	T50	1	2.2	274	50 kg	E0	P200		MP9	T50	TP1 TP11
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% trifluoromethane	2.2	T50	1	2.2	274	50 kg	E0	P200		MP9	T50	TP1 TP11
2600	CARBON MONOXIDE AND HYDROGEN MIXTURE, COMPRESSED	2.3	T50	1	2.3 2.1	274	0 kg	E0	P200		MP9	T50	TP1 TP11
2601	CYCLOBUTANE	2.1	T50	2	2.1	274	1 kg	E0	P200		MP9	T50	TP1 TP11
2602	DICHLORODIMETHYLSILANE	8	T14	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP13
2603	CYCLOHEPTATRIENE	3	T4	II	3 6.1	274	5 L	E2	P001 IBC02 LP02 R001		MP19	T7	TP1 TP13
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	T10	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP13
2605	METHOXYMETHYL ISOCYANATE	6.1	T14	II	6.1 3	274	5 L	E2	P001 IBC02		MP19	T7	TP2 TP13
2606	METHYL ORTHOSILICATE	6.1	T14	II	6.1 3	274	5 L	E2	P001 IBC02		MP19	T7	TP2 TP13
2607	ACROLEIN DIMER, STABILIZED	3	T4	II	3	274	5 L	E2	P001 IBC02		MP19	T7	TP1
2608	NITROPROPANES	3	T4	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2609	TRIALLYL BORATE	3	T4	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2610	TRIALLYLAMINE	3	T7	II	3 8	274	1 L	E2	P001 IBC02		MP19	T7	TP1
2611	PROPYLENE CHLOROHYDRIN	6.1	T14	II	6.1 3	274	5 L	E2	P001 IBC02		MP19	T7	TP1
2612	METHYL PROPYL ETHER	3	T7	II	3	274	1 L	E2	P001 IBC02		MP19	T7	TP1
2613	METHYL PROPARGYL ETHER	3	T11	II	3 6.1	274	1 L	E2	P001 IBC02		MP19	T7	TP1
2614	METHALLYL ALCOHOL	3	T7	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2615	ETHYL PROPYL ETHER	3	T7	II	3	274	1 L	E2	P001 IBC02		MP19	T7	TP1
2616	TRIISOPROPYL BORATE	3	T7	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2617	METHYLCYCLOHEXANOLS	3	T7	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2618	VINYLTOLUENES, STABILIZED	3	T4	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2619	BENZYLDIMETHYLAMINE	8	T7	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP1
2620	AMYL BUTYRATES	3	T4	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2621	ACETYL METHYL CARBINOL	3	T4	III	3	274	5 L	E1	P001 IBC03 LP02 R001		MP19	T4	TP1
2622	GLYCIDALDEHYDE	6.1	T14	II	6.1 3	274	5 L	E2	P001 IBC02		MP19	T7	TP1
2623	SOLID FIRELIGHTERS WITH FLAMMABLE LIQUID	4.1	T7	III	4.1	274	5 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33

ADR tank Tank code	ADR tank Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAH L4BH	TU15 TE19	AT	2 (E)		VC1 VC2 AP7	CV13 CV28	S9	60	2759	ARSENICAL PESTICIDE, SOLID, TOXIC
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S22	336	2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
S10AH L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (E)		VC1 VC2 AP7	CV13 CV28	S9	60	2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S22	336	2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
S10AH L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	2763	TRIAZINE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	2763	TRIAZINE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (E)		VC1 VC2 AP7	CV13 CV28	S9	60	2763	TRIAZINE PESTICIDE, SOLID, TOXIC
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S22	336	2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
S10AH L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (E)		VC1 VC2 AP7	CV13 CV28	S9	60	2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S22	336	2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
S10AH L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	2775	COPPER BASED PESTICIDE, SOLID, TOXIC

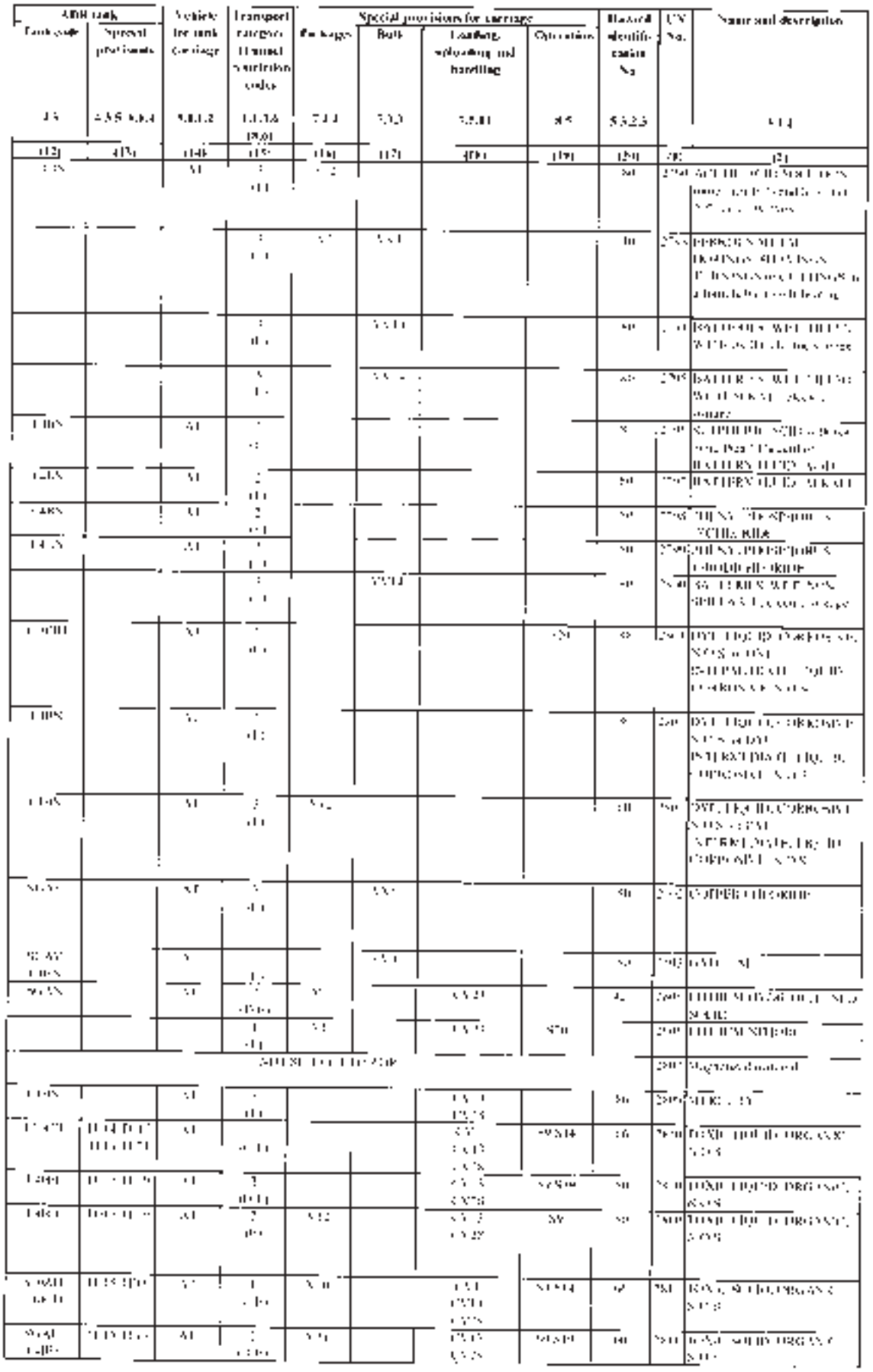
UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packaging instructions	special packing provisions	Mixed packing provisions	description	Special provisions
	3.1.2	2.2	2.2	2.0.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 3.3.2	4.2.5.3
(1a)	(1b)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2795	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC03	IB3	MP19	T7	TP2 TP27
2796	[illegible]	8	I	III	8	274	5 kg	1 L	P001 IBC03	IB3	MP19	T7	TP2 TP27
2797	[illegible]	8	II	II	8	274	1 L	1 L	P001 IBC02		MP19	T7	TP2 TP27
2798	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2799	[illegible]	8	II	III	8	274	5 kg	1 L	P001 IBC03	IB3	MP19	T7	TP2 TP27
2800	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2801	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2802	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2803	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2804	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2805	[illegible]	4.3	I	II	4.3	274	0	0	P401		MP19	T13	TP33
2806	[illegible]	4.3	I	III	4.3	274	0	0	P401		MP19	T13	TP33
2807	[illegible]	9	III	III	9	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2808	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2809	[illegible]	8	II	II	8	274	1 L	1 L	P001 IBC02		MP19	T7	TP2 TP27
2810	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2811	[illegible]	6.1	I	I	6.1	274	[illegible]	0.1 L	P001 IBC01		MP19	T13	TP33
2812	[illegible]	6.1	I	II	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2813	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2814	[illegible]	6.2				318			P620				
2815	[illegible]	8	II	II	8	274	1 L	1 L	P001 IBC02		MP19	T7	TP2 TP27
2816	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2817	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2818	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2819	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2820	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2821	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2822	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2823	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2824	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2825	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2826	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2827	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2828	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2829	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2830	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2831	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2832	[illegible]	6.1	I	I	6.1	274	[illegible]	0.1 L	P001 IBC01		MP19	T13	TP33
2833	[illegible]	6.1	I	II	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2834	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2835	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2836	[illegible]	4.1	II	II	4.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2837	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2838	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2839	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2840	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2841	[illegible]	4.1	II	II	4.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2842	[illegible]	4.2	II	II	4.2	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2843	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2844	[illegible]	5.1	II	II	5.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2845	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2846	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2847	[illegible]	4.2	II	II	4.2	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2848	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2849	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2850	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2851	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2852	[illegible]	4.2	II	II	4.2	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2853	[illegible]	8	III	III	8	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2854	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2855	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2856	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2857	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2858	[illegible]	4.2	II	II	4.2	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2859	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2860	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2861	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2862	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2863	[illegible]	6.1	III	III	6.1	274	[illegible]	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2864	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2865	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2866	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2867	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2868	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2869	[illegible]	8	III	III	8	274	[illegible]	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2870	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2871	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2872	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2873	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2874	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2875	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2876	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2877	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2878	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2879	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2880	[illegible]	5.1	II	II	5.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2881	[illegible]	4.2	II	II	4.2	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2882	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2883	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2884	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2885	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2886	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2887	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2888	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2889	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2890	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2891	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2892	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2893	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2894	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2895	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2896	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2897	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2898	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2899	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2900	[illegible]	6.2				318			P620				
2901	[illegible]	5.1	II	II	5.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2902	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2903	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2904	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2905	[illegible]	6.2				318			P620				
2906	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2907	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2908	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2909	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2910	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2911	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2912	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2913	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2914	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2915	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2916	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2917	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2918	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2919	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2920	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2921	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2922	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2923	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2924	[illegible]	3	II	II	3	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2925	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2926	[illegible]	3	II	II	3	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2927	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2928	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2929	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2930	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2931	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2932	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2933	[illegible]	3	III	III	3	274	[illegible]	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2934	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2935	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2936	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2937	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2938	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2939	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2940	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2941	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2942	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2943	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2944	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2945	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2946	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2947	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2948	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2949	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2950	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2951	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2952	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2953	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2954	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2955	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2956	[illegible]	5.1	II	II	5.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2957	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2958	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2959	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2960	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2961	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2962	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2963	[illegible]	8	III	III	8	274	[illegible]	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2964	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2965	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2966	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2967	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2968	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2969	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2970	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2971	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2972	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2973	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2974	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2975	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2976	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2977	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2978	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2979	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2980	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2981	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2982	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2983	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2984	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2985	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2986	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2987	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2988	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2989	[illegible]	4.3	I	I	4.3	274	0	0	P401		MP19	T13	TP33
2990	[illegible]	9	III	III	9	274	5 kg	5 L	P001 IBC03	IB3	MP19	T4	TP1 TP27
2991	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2992	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2993	[illegible]	3	II	II	3	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2994	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2995	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
2996	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2997	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2998	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
2999	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3000	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3001	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3002	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3003	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3004	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3005	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3006	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3007	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3008	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3009	[illegible]	4.1	II	II	4.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3010	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3011	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3012	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3013	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3014	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3015	[illegible]	8	II	II	8	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3016	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
3017	[illegible]	6.1	I	I	6.1	274	0	0	P001 IBC01		MP19	T13	TP33
3018	[illegible]	6.1	II	II	6.1	274	[illegible]	1 L	P001 IBC02		MP19	T7	TP2 TP27
3019	[illegible]	6



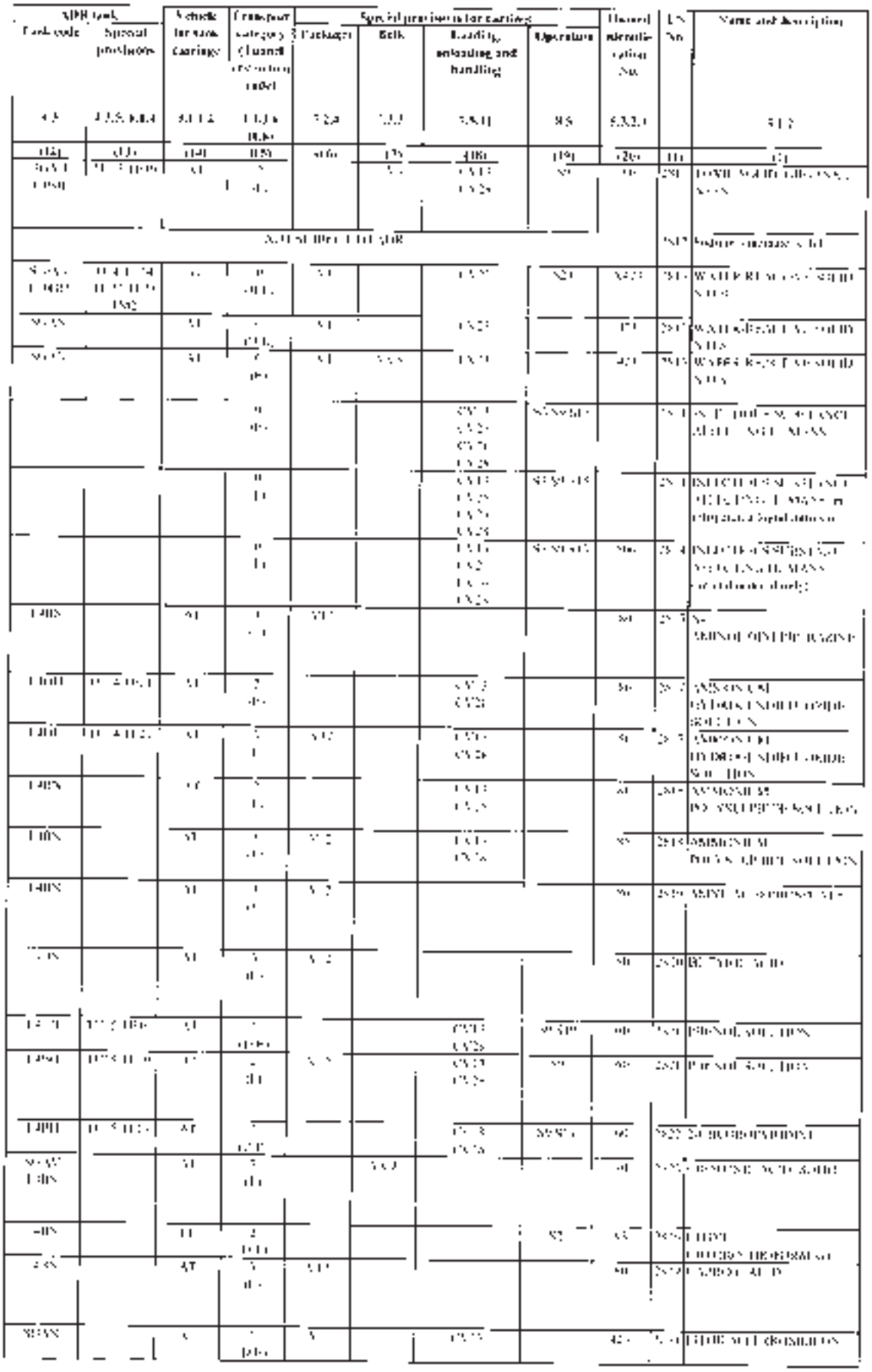
UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.0, 5.2	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.5	4.1.10	4.2.5.2, 7.2.3	4.2.5.3
[1]	[2]	[3a]	[3b]	[4]	[5]	[6]	[7a]	[7b]	[8]	[9a]	[9b]	[10]	[11]
3355	[illegible]	3	6.1	I	[illegible]	61	0	1 l	P001		MP19 T14	T14	TP2 [illegible]
3356	[illegible]	5.1	5.1	II	5.1	62	1 l	0	P502 IBC08 R, 40		MP19 T7	T1	TP2 TP27
3357	[illegible]	6.1	6.1	I	6.1	6 274 548		0	P002 IBC07		MP19	T7	TP33
3358	[illegible]	6.1	6.1	II	6.1	6 274 548	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3359	[illegible]	6.1	6.1	III	6.1	61 274 548	5 kg	5	P002 IBC08 LP02 R001	B7	MP19	T1	TP33
3360	[illegible]	9	9	I	9	61 274		0	P001		MP19 T23	T23	TP2 TP27
3361	[illegible]	6.1	6.1	II	6.1	61 274	1 l	1 2	P001 IBC02		MP19 T4	T4	TP27 TP33
3362	[illegible]	6.1	6.1	I	6.1	61	0	1	P002 IBC07		MP19 T7	T1	TP33
3363	[illegible]	9	9	III	9	61			P003 LP02 R001		MP19 T1	T1	TP33
3364	[illegible]	3	3	I	3	61 274	0	0	P001 IBC02		MP19 T7	T1	TP33
3365	[illegible]	3	3	II	3	61 274	1 l	1	P001 IBC02		MP19 T4	T4	TP33
3366	[illegible]	3	3	III	3	61 274	5 l	5	P001 IBC03 LP01 R001		MP19 T2	T1	TP33
3367	[illegible]	3	3	I	3	61 274	0	0	P001		MP19 T7	T1	TP33
3368	[illegible]	3	3	II	3	61 274	1 l	1	P001 IBC02		MP19 T4	T4	TP33
3369	[illegible]	3	3	III	3	61 274	5 l	5	P001 IBC03 LP01 R001		MP19 T2	T1	TP33
3370	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3371	[illegible]	9	9	II	9	61 274	1 l	1	P001 IBC02		MP19 T4	T4	TP33
3372	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P002 IBC07		MP19 T7	T1	TP33
3373	[illegible]	6.2	6.2			61			P620 LP621 R001		MP19	T38	TP28
3374	[illegible]	4.1	4.1	III	4.1	61	5 kg	5	P002 IBC08 LP02 R001		MP19 T1	T1	TP33
3375	[illegible]	5.1	5.1	II	5.1	61	1 l	1	P001 IBC02		MP19 T4	T4	TP33
3376	[illegible]	4.1	4.1	II	4.1	61 274	1 kg	1	P002 IBC08		MP19 T3	T3	TP33
3377	[illegible]	4.1	4.1	II	4.1	61 274	1 kg	1	P002 IBC08		MP19 T3	T3	TP33
3378	[illegible]	3	3	II	3	61 274	1 l	1	P001 IBC02		MP19 T4	T4	TP33
3379	[illegible]	3	3	III	3	61 274	5 l	5	P001 IBC03 LP01 R001		MP19 T2	T1	TP33
3380	[illegible]	4.1	4.1	II	4.1	61 274	1 kg	1	P002 IBC08		MP19 T3	T3	TP33
3381	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P602		MP19 T20	T14	TP2 TP13
3382	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3383	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P602		MP19 T20	T14	TP2 TP13
3384	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3385	[illegible]	4.3	4.3	I	4.3	61 274	0	0	P403		MP19 T20	T14	TP2 TP13
3386	[illegible]	4.3	4.3	II	4.3	61 274	500 g	5	P410 IBC07		MP19 T7	T1	TP33
3387	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P602		MP19 T20	T14	TP2 TP13
3388	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3389	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P602		MP19 T20	T14	TP2 TP13
3390	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3391	[illegible]	4.3	4.3	I	4.3	61 274	0	0	P403		MP19 T20	T14	TP2 TP13
3392	[illegible]	4.3	4.3	II	4.3	61 274	500 g	5	P410 IBC07		MP19 T7	T1	TP33
3393	[illegible]	6.1	6.1	I	6.1	61 274	0	0	P602		MP19 T20	T14	TP2 TP13
3394	[illegible]	6.1	6.1	II	6.1	61 274	100 g	1 5	P002 IBC08	B4	MP19	T4	TP33
3395	[illegible]	4.3	4.3	I	4.3	61 274	0	0	P403		MP19 T20	T14	TP2 TP13
3396	[illegible]	4.3	4.3	II	4.3	61 274	500 g	5	P410 IBC07		MP19 T7	T1	TP33
3397	[illegible]	4.3	4.3	I	4.3	61 274	0	0	P403		MP19 T20	T14	TP2 TP13
3398	[illegible]	4.3	4.3	II	4.3	61 274	500 g	5	P410 IBC07		MP19 T7	T1	TP33
3399	[illegible]	4.3	4.3	I	4.3	61 274	0	0	P403		MP19 T20	T14	TP2 TP13
3400	[illegible]	4.3	4.3	II	4.3	61 274	500 g	5	P410 IBC07		MP19 T7	T1	TP33



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
		2.2	2.2	3.1 4.1 4.2 4.3	5.2.2	3.3	3.5.1.2		4.1.4.1	4.1.4.2	4.1.10	4.2.5.2 and 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3506	...	8	2 S	II	+	852	1 L	1	P001 IBC01 LP01 R001		PP86	T4	TP1
3507	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile-excepted	7	5E	III	7E	290	0	1	E1 P501 IBC02 R001	PP51 PP84	RR7		
3508	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, limited quantity of material	7	1**		7	290	0	1	E0 P501				
3509	PACKAGINGS, DISCARDED, EMPTY, UNCLEANED	9	1		9	290	0	1	E0 P003				
3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2	1F		2F	392	0	1	E0 P208		MP9	T50	TP33
3511	GAS, FLAMMABLE, N.O.S.	2	1F		2F	392	0	1	E0 P200		MP9	T50	TP33
3512	ADSORBED GAS, N.O.S.	2	1A		2A	392	0	1	E0 P208		MP9	T50	TP33
3513	GAS, N.O.S.	2	1A		2A	392	0	1	E0 P200		MP9	T50	TP33
3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2	1TF		2TF	392	0	1	E0 P208		MP9	T50	TP33
3515	GAS, TOXIC, FLAMMABLE, N.O.S.	2	1TF		2TF	392	0	1	E0 P200		MP9	T50	TP33
3516	ADSORBED GAS, TOXIC, N.O.S.	2	1TA		2TA	392	0	1	E0 P208		MP9	T50	TP33
3517	GAS, TOXIC, N.O.S.	2	1TA		2TA	392	0	1	E0 P200		MP9	T50	TP33
3518	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2	1TO		2TO	392	0	1	E0 P208		MP9	T50	TP33
3519	GAS, TOXIC, OXIDIZING, N.O.S.	2	1TO		2TO	392	0	1	E0 P200		MP9	T50	TP33
3520	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2	1TC		2TC	392	0	1	E0 P208		MP9	T50	TP33
3521	GAS, TOXIC, CORROSIVE, N.O.S.	2	1TC		2TC	392	0	1	E0 P200		MP9	T50	TP33
3522	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	1TFC		2TFC	392	0	1	E0 P208		MP9	T50	TP33
3523	GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	1TFC		2TFC	392	0	1	E0 P200		MP9	T50	TP33
3524	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	1TOC		2TOC	392	0	1	E0 P208		MP9	T50	TP33
3525	GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	1TOC		2TOC	392	0	1	E0 P200		MP9	T50	TP33
3526	ADSORBED GAS, TOXIC, FLAMMABLE, OXIDIZING, N.O.S.	2	1TFO		2TFO	392	0	1	E0 P208		MP9	T50	TP33
3527	GAS, TOXIC, FLAMMABLE, OXIDIZING, N.O.S.	2	1TFO		2TFO	392	0	1	E0 P200		MP9	T50	TP33



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	T2	III	6.1	[illegible]	[illegible]	E1	[illegible]	[illegible]	MP10	T1	TP33
2812	Sodium aluminate, solid	8	C6	NOT SUBJECT TO ADR									
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	I	4.3	[illegible]	[illegible]	E0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	II	4.3	[illegible]	[illegible]	E2	[illegible]	[illegible]	MP14	T3	TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	III	4.3	[illegible]	[illegible]	E1	[illegible]	[illegible]	MP14	T1	TP33
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2	I1		6.2	[illegible]	0	E0	[illegible]		[illegible]		
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS, in refrigerated liquid nitrogen	6.2	I1		6.2 [illegible]	[illegible]	0	E0	[illegible]		MP5		
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS (animal material only)	6.2	I2		6.2	[illegible]	0	E0	[illegible]		MP5	[illegible]	
2815	N-AMINOETHYLPIPERAZINE	8	C7	III	8		[illegible]	E1	[illegible]		MP19	T4	TP1
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	II	8 6.1		[illegible]	E2	[illegible]		MP15	T8	TP2
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	III	8 6.1		[illegible]	E1	[illegible]		MP19	T4	TP1
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	CT1	II	8 6.1		[illegible]	E2	[illegible]		MP15	T7	TP2
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	CT1	III	8 6.1		[illegible]	E1	[illegible]		MP19	T4	TP1
2819	AMYL ACID PHOSPHATE	8	C3	III	8		[illegible]	E1	[illegible]		MP19	T4	TP1
2820	BUTYRIC ACID	8	C3	III	8		[illegible]	E1	[illegible]		MP19	T4	TP1
2821	PHENOL SOLUTION	6.1	T1	II	6.1		[illegible]	E4	[illegible]		MP15	T7	TP2
2821	PHENOL SOLUTION	6.1	T1	III	6.1		[illegible]	E1	[illegible]		MP19	T4	TP1
2822	2-CHLOROPYRIDINE	6.1	T1	II	6.1		[illegible]	E4	[illegible]		MP15	T7	TP2
2823	CROTONIC ACID, SOLID	8	C4	III	8		[illegible]	E1	[illegible]	[illegible]	MP10	T1	TP33
2826	ETHYL CHLOROTHIOFORMATE	8	CF1	II	8 3		[illegible]	E0	[illegible]		MP15	T7	TP2
2829	CAPROIC ACID	8	C3	III	8		[illegible]	E1	[illegible]		MP19	T4	TP1
2830	LITHIUM FERROSILICON	4.3	W2	II	4.3		[illegible]	E2	[illegible]		MP14	T3	TP33



UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks: Instructions	Portable tanks: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	[illegible]	4.1.4	4.1.4	4.1.10	[illegible]	[illegible]
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]												
[illegible]	[illegible]												
[illegible]	[illegible]												
[illegible]	[illegible]												
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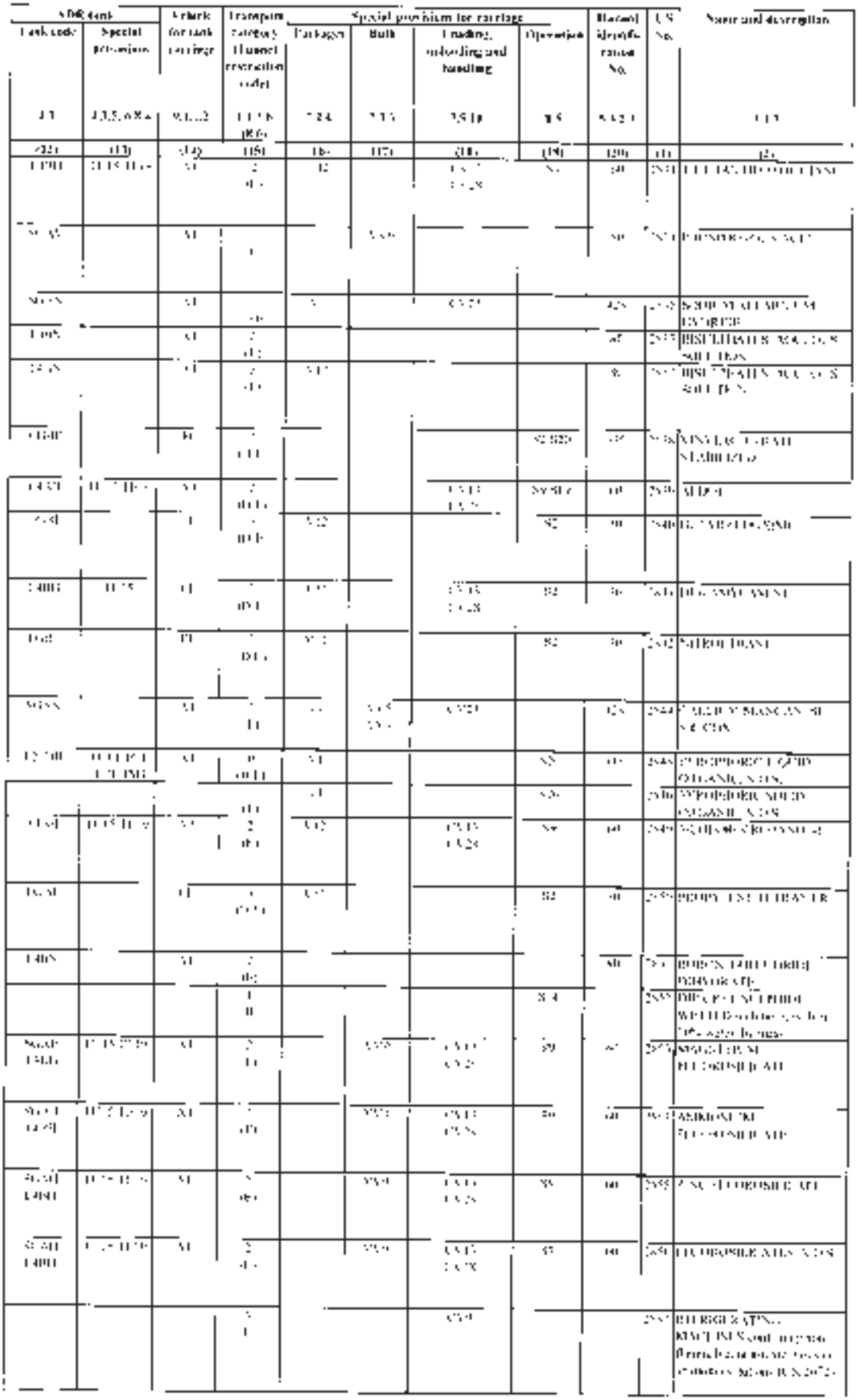
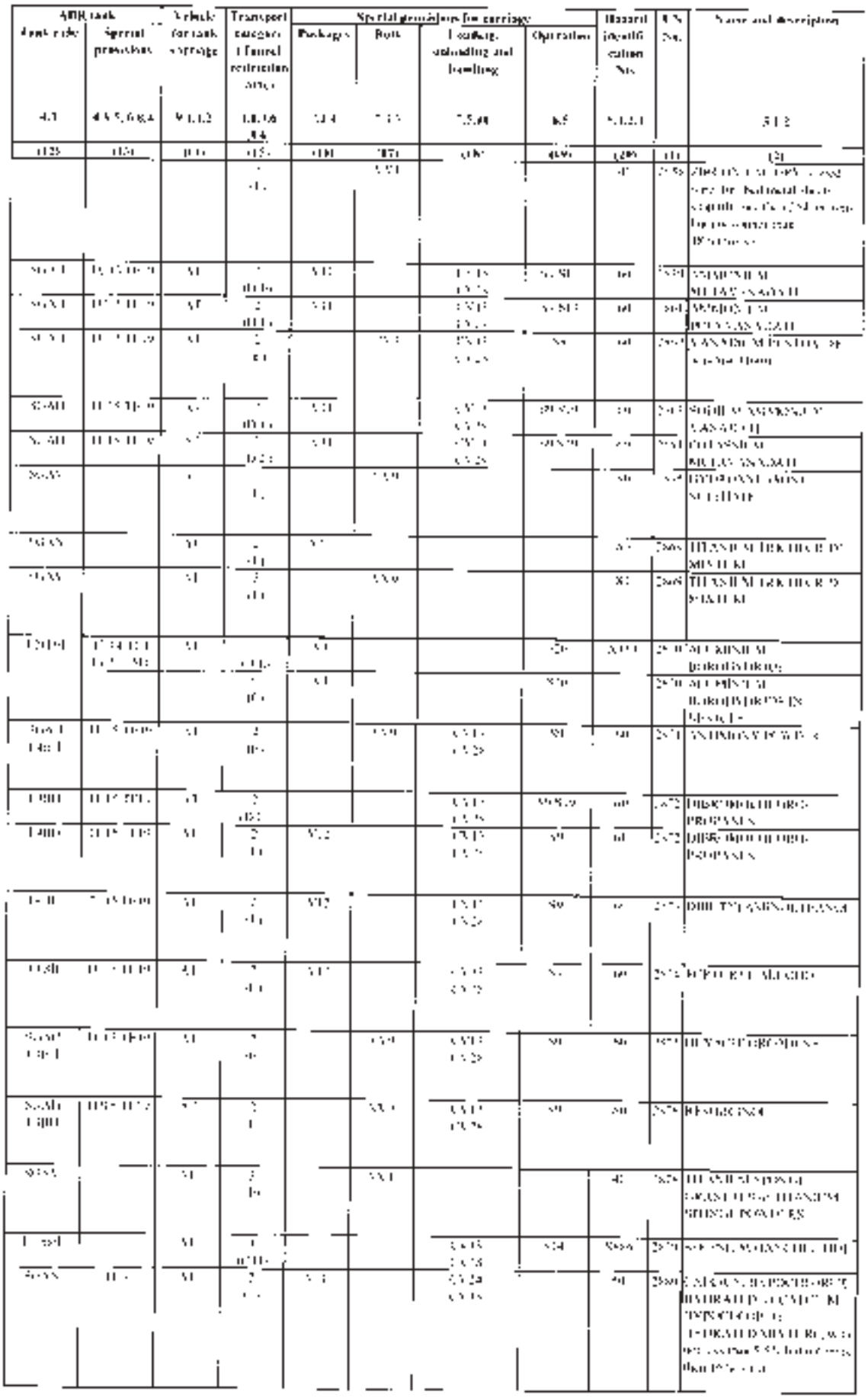


UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.1	5.2.2	3.5	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2454	[illegible]	4	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		MP1		
2455	[illegible]	4.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2456	[illegible]	4.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2457	[illegible]	4.1	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2458	[illegible]	4.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2459	[illegible]	4.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2460	[illegible]	5.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2461	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2462	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2463	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2464	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2465	[illegible]	5	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2466	[illegible]	5	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2467	[illegible]	5.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2468	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2469	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2470	[illegible]	6.1	[illegible]	I	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2471	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2472	[illegible]	6.1	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2473	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2474	[illegible]	6	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2475	[illegible]	8	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2476	[illegible]	4.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2477	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2478	[illegible]	3	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2479	[illegible]	4.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2480	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2481	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2482	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2483	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2484	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2485	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2486	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2487	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2488	[illegible]	4.3	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2489	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2490	[illegible]	6.1	[illegible]	III	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2491	[illegible]	8	[illegible]	II	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2492	[illegible]	6.1	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.1.1	5.2.2	5.5	3.4	3.5.1.1	4.1.8	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2[illegible]	CALCIUM HYP. CHLORITE, HYDRATED, or CALCIUM DYNO CHLORITE, HYDRATED MIXTURE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible] Rm	P[illegible]	MP[illegible]		
2[illegible]	METAL CATALYST, DRY	[illegible]	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible]	[illegible]	[illegible]
2[illegible]	METAL CATALYST, DRY	[illegible]	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible]		MP[illegible]	[illegible]	[illegible]
2[illegible]	METAL CATALYST, DRY	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible] [illegible] Rm	[illegible]	MP[illegible]	[illegible]	[illegible]
2[illegible]	INTECTICIDE SUBSTANCE AFFECTING ANIMALS, [illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible]		
2[illegible]	INSECTICIDE SUBSTANCE AFFECTING ANIMALS, [illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible]		
2[illegible]	INSECTICIDE SUBSTANCE AFFECTING ANIMALS, [illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible]	[illegible]	
2[illegible]	BROMINE CHLORIDE	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	P[illegible]		MP[illegible]	[illegible]	
2[illegible]	PESTICIDE, LIQUID, TOXIC, N.O.S.	[illegible]	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible] MP[illegible]	[illegible]	[illegible]
2[illegible]	PESTICIDE, LIQUID, TOXIC, N.O.S.	[illegible]	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible]		MP[illegible]	[illegible]	[illegible]
2[illegible]	PESTICIDE, LIQUID, TOXIC, N.O.S.	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible] [illegible]		MP[illegible]	[illegible]	[illegible]
2[illegible]	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., [illegible]	[illegible]	[illegible]	I	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]		MP[illegible] MP[illegible]	[illegible]	[illegible]
2[illegible]	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., [illegible]	[illegible]	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible]		MP[illegible]	[illegible]	[illegible]
2[illegible]	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., [illegible]	[illegible]	[illegible]	III	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible]		MP[illegible]	[illegible]	
2[illegible]	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	P[illegible] [illegible] [illegible]		MP[illegible]		
2[illegible]	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID	[illegible]	[illegible]	III	[illegible]		[illegible]	[illegible]	P[illegible] [illegible] [illegible]	[illegible]	MP[illegible]	[illegible]	[illegible]
2[illegible]	[illegible]	[illegible]	[illegible]	II	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible] [illegible]	P[illegible] [illegible]	MP[illegible]		
2[illegible]	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, EMPTY PACKAGING	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	2880	[illegible] HYDRATED [illegible] HYDRATED MIXTURE [illegible]
		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	2881	METAL CATALYST, DRY [illegible]
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	2881	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	2881	METAL CATALYST, DRY [illegible]
			[illegible]			[illegible]	[illegible]		2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS [illegible]
			[illegible]			[illegible]	[illegible]		2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS [illegible]
			[illegible]			[illegible]	[illegible]	[illegible]	2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2901	BROMINE CHLORIDE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2902	PESTICIDE, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2902	PESTICIDE, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	2902	PESTICIDE, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. [illegible]
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	2904	CHLOROPHENOLATES, LIQUID [illegible]
[illegible]		[illegible]	[illegible]		[illegible]			[illegible]	2905	CHLOROPHENOLATES, SOLID [illegible]
			[illegible]	[illegible]			[illegible]		2907	ISOSORBIDE DINITRATE MIXTURE [illegible]
			[illegible]			[illegible]	[illegible]		2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – EMPTY PACKAGING

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packing			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	1.1.2	2.2	2.2	3.1.1.3	5.2.2	3.3	3.4	3.5.1.1	4.1.4	4.1.4	4.1.10	4.2.5.2 2.5.4	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2904	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	7				290	0	1.1	See 4.1.7	See 4.1.9			
2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, LIMITED QUANTITY OF MATERIAL	7				290 [illegible]	0	1.1	See 4.1.7	See 4.1.9			
2912	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, INSTRUMENTS or ARTICLES	7				290	0	1.1	See 4.1.7	See 4.1.9			
2913	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, [illegible] excepted	7			7X	[illegible]	0	1.1	See 4.1.7 and 4.1.9	See 4.1.9		18	1191
2915	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS, SCO-1 [illegible]	7			7X	[illegible]	0	1.1	See 4.1.7 and 4.1.9	See 4.1.9			
2916	RADIOACTIVE MATERIAL, TYPE A PACKAGE, [illegible]	7			7X	[illegible]		1.1	See 4.1.7 and 4.1.9	See 4.1.9			
2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, [illegible]	7			7X	[illegible]	0	1.1	See 4.1.7 and 4.1.9	See 4.1.9			
2918	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, [illegible]	7			7X	[illegible]	0	1.1	See 4.1.7 and 4.1.9	See 4.1.9			
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	1	I	8 [illegible]	274	0	1.1	P001		MP9 MP17	114	[illegible]
2921	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	1	II	[illegible]	274	0	1.1	P001 IBC [illegible]		MP15	11	[illegible]
2922	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	[illegible]	I	8 [illegible]	274	0	1.1	P002 IBC [illegible]		MP15	T6	[illegible]
2923	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	[illegible]	II	8 [illegible]	274	[illegible]	1.1	P002 IBC [illegible]	11	MP10	11	[illegible]
2924	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	[illegible]	I	8 [illegible]	274	0	1.1	P001		MP9 MP17	114	[illegible]
2925	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	[illegible]	II	8 [illegible]	274	0	1.1	P001 IBC [illegible]		MP17	T7	[illegible]
2926	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	[illegible]	III	8 [illegible]	274	0	1.1	P001 IBC [illegible] Rmk		MP10	T7	[illegible]
2927	CORROSIVE SOLID, TOXIC, N.O.S.	8	[illegible]	I	8 [illegible]	274	0	1.1	P002 IBC [illegible]		MP18	T6	[illegible]
2928	CORROSIVE SOLID, TOXIC, N.O.S.	8	[illegible]	II	8 [illegible]	274	[illegible]	1.1	P002 IBC [illegible]	11	MP10	T7	[illegible]
2929	CORROSIVE SOLID, TOXIC, N.O.S.	8	[illegible]	III	8 [illegible]	[illegible]	[illegible]	1.1	P002 IBC [illegible] Rmk	11	MP10	11	[illegible]
2930	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	[illegible]	I	8 [illegible]	274	0	1.1	P001		MP9 MP17	114	[illegible]
2931	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	[illegible]	II	8 [illegible]	274	0	1.1	P001 IBC [illegible]		MP10	11	[illegible]

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	6.8.3, 6.8.4	9.1.1.2	1.1.3.6 (4.3)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			4 (-)			CV13	S2 S21		3479	HYDROGEN PEROXIDE AQUEOUS SOLUTION STABILIZED OR HYDROGEN PEROXIDE AQUEOUS SOLUTION STABILIZED with more than 60 % hydrogen peroxide
			4 (-)			CV13	S2 S21		3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED with acid(s), water and not more than 5 % peroxyacetic acid
			4 (-)			CV13	S2 S14 S21		3109	ORGANIC PEROXIDE TYPE F, LIQUID
S2 S14 S21 (M1)	T1 TA1 TE1 (M1)	AT	0 (-)		VC2 AP2	CV13	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED
			0 (-)		VC2 AP2	CV13 CV33	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED, with more than 60 % peroxyacetic acid
			0 (-)			CV13	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED, with more than 60 % peroxyacetic acid
			0 (-)			CV13 CV35	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED, with more than 60 % peroxyacetic acid
			0 (-)			CV13 CV27	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED, with more than 60 % peroxyacetic acid
			0 (-)			CV13	S2 S14 S21	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED, with more than 60 % peroxyacetic acid
L4BH		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3109	ORGANIC PEROXIDE TYPE F, LIQUID
L4BN		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED
L4BN		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED
L4BN		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED
L4BN		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED
L4BN		AT	2 (D)		VC1 AP2	CV13 CV28	S2 S14	539	3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(8a)	(8c)	(9b)	(10)
2024	DIMETHYLDIOXANES	3		II		274	5 l	1 l	P001 IBC02 R001		MP19	T4	TP1 TP8
2025	1,3-DIOXOLANE	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T4	TP1 TP8
2026	PHENYLMERCURIC COMPOUNDS, N.O.S.	6.1	6.1	II	6.1	274	0.5 kg	1 kg	P002 IBC08 R001		MP19	T7	TP1 TP28
2027	SODIUM MONOFLUOROACETATE	6.1	6.1	II	6.1	274	0.5 kg	1 kg	P002 IBC08 R001		MP19	T7	TP1 TP28
2028	BROMOCHLORODIFLUOROMETHANE (GAS REFRIGERANT R 12 B1)	2.2	2A		2.2		120 ml	1 l	P200		MP9	T50	
2029	BROMODICHLOROMETHANE	6.1	6.1	III	6.1	274	5 l	5 l	P001 IBC03 R001		MP19	T7	TP1 TP28
2030	1,1-DIFLUOROETHYLENE (GAS REFRIGERANT R 1132a)	2	2F		2.1		120 ml	1 l	P200		MP9	T50	
2031	NITRIC ACID, other than red fuming, with more than 65 % pure nitric acid	8	CO1	I	5.1, 8		0.5 l	0.5 l	P001 IBC02 R001		MP15	T10	TP2 TP12
2032	NITRIC ACID, red fuming, with more than 86 % pure nitric acid	8	CO1	I	5.1, 8, 6.1		0.5 l	0.5 l	P001 IBC02 R001		MP15	T10	TP2 TP12
2033	METHYLAMINE, ANHYDROUS	2	2F		2.1		120 ml	1 l	P200		MP9	T50	
2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2	2F		2.1		120 ml	1 l	P200		MP9	T50	
2035	1,1,1-TRIFLUOROETHANE (GAS REFRIGERANT R 143a)	2	2A				120 ml	1 l	P200		MP9	T50	
2036	1,2-DIMETHYLBENZENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) WITHOUT A RELEASE DEVICE, NON-REFILLABLE	2	2A				120 ml	1 l	P003		MP9	T50	
2038	NITROTOLUENES, LIQUID	6.1	6.1	III	6.1		5 l	5 l	P001 IBC03 R001		MP19	T7	TP1 TP28
2039	NITROXYLENES, LIQUID	6.1	6.1	III	6.1		5 l	5 l	P001 IBC03 R001		MP19	T7	TP1 TP28
2040	2,6-DINITRO-4-METHYLPHENOL, SOLID	6.1	6.1	II	6.1		0.5 kg	1 kg	P002 IBC08 R001		MP19	T7	TP1 TP28
2041	2-NITRO-4-METHYLPHENOL, SOLID	6.1	6.1	III	6.1		5 kg	5 kg	P002 IBC08 R001		MP19	T7	TP1 TP28
2042	2-METHYLPENTA-1,2-DIENE	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2043	4-METHYLPENTA-1,3-DIENE	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2044	2,2-DIMETHYLPROPANE	2	2F		2.1		120 ml	1 l	P200		MP9	T50	
2045	2-METHYLBUTA-1,3-DIENE, STABILIZED	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2046	CYMENES	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2047	DICHLOROPROPENES	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2048	DICYCLOPENTADIENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2049	DIETHYLBENZENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2051	DIISOPROPYLBENZENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2052	DIPENTENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2053	METHYL ISOBUTYL CARBINOL	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2054	MORPHOLINE	8	CO2	III	8, 3		1 l	1 l	P001 IBC03 R001		MP19	T7	TP1
2055	STYRENE MONOMER, STABILIZED	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2056	TETRAHYDROFURAN	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2057	TRIPROPYLENE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2058	VALERALDEHYDES	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12,6 % nitrogen, by dry mass, and not more than 55 % nitrocellulose	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2060	TRIALLYLAMINE	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2061	TRIMETHYLAMINE, ANHYDROUS	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2062	VINYL ACETATE, STABILIZED	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2063	VINYL CHLORIDE, STABILIZED	2	2F		2.1		120 ml	1 l	P200		MP9	T50	
2064	METHYL ALLYL CHLORIDE	3	3	II	3		5 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2065	n-AMYL METHYL KETONE	3	3	III	3		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2066	NITROCELLULOSE, UNMODIFIED OR PLASTICIZED with less than 12,6 % nitrogen, by dry mass	4.1	4.1	II	4.1		0.5 kg	1 kg	P002 IBC06 R001		MP19	T7	TP1 TP33
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	5.1	III	5.1		5 kg	25 kg	P002 IBC08 R001		MP19	T7	TP1
2068	BROMOCHLOROMETHANE	6.1	6.1	III	6.1		5 l	5 l	P001 IBC03 R001		MP19	T7	TP1 TP28
2069	CYCLOHEXYLTRICHLOROSILANE	8	C9	II	8		1 l	1 l	P001 IBC02 R001		MP19	T7	TP1
2070	UREA	9	M6	III			5 kg	25 kg	P002 IBC08 R001		MP19	T3	TP33
2071	AMMONIUM NITRATE BASED FERTILIZER	9	M11	III			5 kg	25 kg	P002 IBC08 R001		MP19	T3	TP33
2072	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1	O2	II	5.1		0.5 l	1 l	P001 IBC02 R001		MP19	T7	TP1 TP28
2073	AMMONIA SOLUTION, RELATIVE DENSITY less than 0,880 at 15 °C in water, with more than 35 % but not more than 40 % ammonia	2	2A		2.2		120 ml	1 l	P200		MP9	T50	
2074	ACRYLAMIDE, SOLID	6.1	6.1	III	6.1		5 kg	5 kg	P002 IBC08 R001		MP19	T7	TP1 TP33
2075	CHLORAL, ANHYDROUS, STABILIZED	6.1	6.1	III	6.1		5 l	5 l	P001 IBC03 R001		MP19	T7	TP1 TP28
2076	CRESOLS, LIQUID	6.1	6.1	II	6.1		0.5 l	1 l	P001 IBC02 R001		MP19	T7	TP1 TP28
2077	alpha-NAPHTHYLAMINE	6.1	6.1	III	6.1		5 kg	5 kg	P002 IBC08 R001		MP19	T7	TP1 TP33
2078	TOLUENE DIISOCYANATE	6.1	6.1	II	6.1		0.5 l	1 l	P001 IBC02 R001		MP19	T7	TP1 TP28
2079	DIETHYLENETRIAMINE	8	C7	III	8		5 l	5 l	P001 IBC03 R001		MP19	T4	TP1
2080	2,4-TOLUYLENEDIAMINE, SOLID	6.1	6.1	III	6.1		5 kg	5 kg	P002 IBC08 R001		MP19	T7	TP1 TP33

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.5	4.5.5, 6.8.4	1.1.1.2	1.1.2.6 (8.6)	7.2.4	7.3.3	7.5.1e	8.5	5.3.2.2		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]	[illegible]			S2	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			S2	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			S2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.0.0.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 5.1.2	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)
2015	[illegible]	5.1	5.1	II	5.1		1 L	1 E	P501 IBC01 LP01 R001		MP19	T7	TP1
2045	3-METHYLBUT-1-ENE	3	3A	II	3 + 5.2		1 L	1 E	P001 IBC02		MP19	T7	TP1
2046	CYMENES	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2047	DICHLOROPROPENE	3	3A	II	3		5 L	1 L	P001 IBC02 LP01 R001		MP19	T2	TP1
2048	DICYCLOPENTADIENE	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2049	DIETHYLBENZENE	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	3A	II	3		1 L	1 E	P001 IBC02 R001	P001 IP4	MP19	T7	TP1 TP29
2051	2-DIMETHYLAMINOETHANOL	8	C7	III	8		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2052	DIPENTENE	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2053	METHYL ISOBUTYL CARBINOL	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2054	MORPHOLINE	8	C7	II	8 + 3		1 L	1 L	P001 IBC02 R001		MP19	T7	TP1
2055	STYRENE MONOMER, STABILIZED	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2056	TETRAHYDROFURAN	3	3A	II	3		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2057	TRIPROPYLENE	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2058	VALERALDEHYDE	3	3A	II	3		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	3C1	II	3		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1 TP28
2060	TETRAMETHYLAMMONIUM HYDROXIDE	6.1	T1	I	6.1		0	0	P001		MP19	T14	TP2
2061	TRIMETHYLAMINE, ANHYDROUS	2.1	2F		2.1		0	0	P200		MP9	T50	TP1
2062	MATERIALS CONTAINING HEXAFLUOROACETONE	6.1	T1	II	6.1		0	0	P001 IBC02 R001		MP19	T7	TP1
2063	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2	2F		2.1		0	0	P200		MP9	T50	TP1
2064	3-METHOXYPROPYLAMINE	8	C7	III	8		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2065	n-AMYL ACETATE, SEC-AMYL ACETATE, TERT-AMYL ACETATE, AMYL ACETATE, MIXTURE, n-AMYL ACETATE AND SEC-AMYL ACETATE, MIXTURE, n-AMYL ACETATE AND TERT-AMYL ACETATE	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2066	NITROCELLULOSE, WITH WATER, not less than 25% water, by mass	4.1	D1	II	4.1		1 kg	1 E	P406 IBC06 R001		MP19	T7	TP1 TP33
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	C2	III	5.1		5 kg	1 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2068	FUMIGANT, TOXIC, FLAMMABLE, N.O.S.	6.1	T1	I	6.1 + 3		0	0	P001		MP19	T14	TP2
2069	TRIPROPYLENE TETRAMER	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2070	UREA, with more than 45% nitrogen	9	M11	III	9		5 kg	1 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2071	AMMONIUM NITRATE BASED FERTILIZER	9	M11	III	9		5 kg	1 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2072	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35% but not more than 40% ammonia	8	C5	III	8		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2073	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 40% but not more than 50% ammonia	2	2A		2.2		0	0	P200		MP9	T50	TP1
2074	ACRYLAMIDE, SOLID	6.1	T1	III	6.1		5 kg	1 kg	P002 IBC08 LP02 R001		MP19	T1	TP33
2075	CHLORAL, ANHYDROUS, STABILIZED	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2076	CRESOLS	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2077	alpha-NAPHTHYLAMINE	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2078	TOLUENE DIISOCYANATE	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2079	DIETHYLENETRIAMINE	8	C7	III	8		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2080	[illegible]	4.2	S4	II	4.2		0	0	P400		MP14	T3	TP7
2081	[illegible]	4.1	D1	II	4.1		1 kg	1 E	P406 IBC06 R001		MP19	T7	TP1 TP33
2082	[illegible]	4.1	D1	III	4.1		5 kg	1 kg	P406 IBC06 R001		MP19	T1	TP33
2083	[illegible]	5.1	O1	II	5.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2084	[illegible]	4.1	D1	III	4.1		5 kg	1 kg	P406 IBC06 R001		MP19	T1	TP33
2085	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2086	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2087	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2088	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2089	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2090	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2091	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2092	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2093	[illegible]	3	3A	II	3		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2094	[illegible]	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2095	[illegible]	3	3A	II	3		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2096	[illegible]	3	3A	III	3		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2097	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2098	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1
2099	[illegible]	6.1	T1	II	6.1		1 L	1 E	P001 IBC02 R001		MP19	T7	TP1
2100	[illegible]	6.1	T1	III	6.1		5 L	1 L	P001 IBC03 LP01 R001		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	EX No.	Name and description
Tank code	special provisions			Packages	Bulk	Handling, loading and handling	Operation			
4.1	4.3 5.3 6.8 8.4	9.1.1.2	1.1.3.6 (4)	7.2.4	7.3.1	7.5.11	8.5	5.3.2.3.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
L4BH		FL	3 (D/E)	V12			S7	30	2919	TOXIC LIQUID, CORROSIVE, N.O.S. (contains ...)
L4BN1		FL	3 (D/E)				S7 S14	336	3343	NITROGLYCERIN, DESENSITIZED, LIQUID, N.O.S. (contains ...)
L4BN1	TE 17 TE 19	FL	3 (D/E)	V12		CV13 CV28	S7 S14	30	2929	TOXIC LIQUID, FLAMMABLE, N.O.S. (contains ...)
L4BN		FL	3 (D/E)	V12			S7	30	2929	TOXIC LIQUID, FLAMMABLE, N.O.S. (contains ...)
L4BN	TE 17 TE 19	FL	3 (D/E)			CV13 CV28	S7 S14	30	2929	TOXIC LIQUID, FLAMMABLE, N.O.S. (contains ...)
S1 AN L4BN		AT	2 (D/E)	V1				60	2240	CHROMOSULFURIC ACID, DESULFURIZED (contains ...)
S1 AN		AT	2 (D/E)	V1	VC1 VC2	CV13		423	2240	CHROMOSULFURIC ACID, DESULFURIZED (contains ...)
			2 (D/E)			CV13	S14		2240	CHROMOSULFURIC ACID, DESULFURIZED (contains ...)
L4BN1	TE 17 TE 19	FL	3 (D/E)	V1		CV13	S7 S20	336	3343	NITROGLYCERIN, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. (contains ...)
L4BN1	TE 17 TE 19	AT	2 (D/E)			CV13 CV28	S7 S20	30	2240	CHROMOSULFURIC ACID
S AN		AT	2 (C/E)		VC1 VC2			80	2796	SULPHURIC ACID, with more than 51 % and not more than 80 % acid
S4 AN		AT	2 (D/E)	V1	VC1 VC2	CV22		423	2796	SULPHURIC ACID, with more than 51 % and not more than 80 % acid
S AN		AT	2 (D/E)	V1	VC1 VC2			80	2796	SULPHURIC ACID, with more than 51 % and not more than 80 % acid
			2 (D/E)			CV13	S2 S14 V1	80	2796	BATTERY FLUID, ACID
			2 (D/E)			CV13	S2 S14 V1	80	2796	BATTERY FLUID, ACID
L4BH	TE 17 TE 19	FL	3 (D/E)			CV13 CV28	S2 S20	336	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (contains ...)
L4BN	TE 17 TE 19	AT	2 (C/E)			CV28		80	2796	SULPHURIC ACID, with more than 51 % and not more than 80 % acid (contains ...)
L4BH		FL	2 (D/E)				S2 S20	X336	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (contains ...)
L4BN		FL	2 (D/E)				S7	X423	3486	CORROSIVE LIQUID, OXIDIZING, N.O.S. (contains ...)
L4BN		AT	2 (C/E)					X80	2796	SULPHURIC ACID, with more than 51 % and not more than 80 % acid

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instruction	Special packing provision	Mixed packing provisions	Instructions	Special provisions
	3.1.2	3.2	3.2	3.1.2.5	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 3.1	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2998	ALKYLDICHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	8TC	II	8	A3	0	1 L	P001	MP2	MP19	T7	TP2 TP27
2999	ALKYLPHOSPHORIC ACIDS	8	8	III	8		5 kg	5 kg	P001 IBC03	IBA	MP19	T4	TP1
3000	ALLYL ISOTHIOCYANATE, STABILIZED	6.1	6	II	6.1		0 kg	0	P001 IBC02 R001	IBA	MP19	T11	TP2
3001	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2							P650				
3002	C1 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3003	C2 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3004	C3 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3005	C4 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3006	C5 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3007	C6 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3008	C7 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3009	C8 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3010	C9 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3011	C10 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3012	C11 ORGANIC PEROXIDE, TYPE C, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3013	C12 ORGANIC PEROXIDE, TYPE C, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3014	D1 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3015	D2 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3016	D3 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3017	D4 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3018	D5 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3019	D6 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3020	D7 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3021	D8 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3022	D9 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3023	D10 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3024	D11 ORGANIC PEROXIDE, TYPE D, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3025	D12 ORGANIC PEROXIDE, TYPE D, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3026	E1 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3027	E2 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3028	E3 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3029	E4 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3030	E5 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3031	E6 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3032	E7 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3033	E8 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3034	E9 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3035	E10 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3036	E11 ORGANIC PEROXIDE, TYPE E, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3037	E12 ORGANIC PEROXIDE, TYPE E, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3038	F1 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3039	F2 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3040	F3 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3041	F4 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3042	F5 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3043	F6 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3044	F7 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3045	F8 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3046	F9 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3047	F10 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3048	F11 ORGANIC PEROXIDE, TYPE F, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3049	F12 ORGANIC PEROXIDE, TYPE F, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3050	G1 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3051	G2 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3052	G3 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3053	G4 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3054	G5 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3055	G6 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3056	G7 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3057	G8 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3058	G9 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3059	G10 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3060	G11 ORGANIC PEROXIDE, TYPE G, LIQUID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7
3061	G12 ORGANIC PEROXIDE, TYPE G, SOLID	5.2	P		5.2	A3	0	0	P520		MP9 MP24	T23	TP2 TP7

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.2	4.3.5, 6.8.4	9.1.1.2	1.1.3.6, (D/E)	7.2.4	7.3.2	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	Special provisions
									Packing instructions	Special packing provisions	Mixed packing provisions		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(8a)	(8b)	(10)	(11)
2005	DIBUTYLAMINE	8	CF2	II	8	8	1 L	E2	P001 IBC02 R001		MP15	T7	TP2 TP28
2006	DIETHYLAMINE	3	F1	II	3	3	1 L	E2	P001 IBC02 R001		MP15	T7	TP2 TP28
2007	DIMETHYLAMINE, AQUEOUS SOLUTION	3	F1	II	3	3	1 L	E2	P001 IBC02 R001		MP15	T7	TP2 TP28
2008	DIMETHYLDICHLOROSILANE	8	CF1	II	8	8	1 L	E2	P010		MP15	T7	TP2 TP28
2009	ZIRCONIUM POWDER, DRY	4.2	S2	II	4.2	4.2	1 kg	E2	P410		MP15	T3	TP33
2010	MAGNESIUM BROMIDE HEXAHYDRATE	8	C11	III		8	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2011	MAGNESIUM PHOSPHIDE	4.3	W2	I	4.3	4.3	0	E0	Forbidden				
2012	POTASSIUM PHOSPHIDE	4.3	W2	I	4.3	4.3	0	E0	Forbidden				
2013	STRONTIUM PHOSPHIDE	4.3	W2	I	4.3	4.3	0	E0	Forbidden				
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	O2	II	5.1 8	5.1 8	1 L	E2	P504 IBC02		MP15	T7	TP2 TP28
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	O2	I	5.1 8	5.1 8	0	E0	Forbidden				
2016	AMMONIUM HYDROGEN DIFLUORIDE, SOLID	8	C2	II	8	8	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP33
2017	AMMONIUM FLUOROSILICATE	8	C2	III		8	5 kg	E1	P002 IBC08 LP02 R001		MP19	T7	TP1 TP33
2018	CHLOROANILINES, SOLID	6.1	T2	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2019	CHLOROANILINES, LIQUID	6.1	T2	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2020	CHLOROPHENOLS, SOLID	8	C2	II	8	8	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2021	CHLOROPHENOLS, LIQUID	8	C3	II	8	8	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2022	CRESYLIC ACID	6.1	T2	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2023	EPICHLOROHYDRIN	6.1	T2	II	6.1 3	6.1 3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	T4	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	T4	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	T4	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2027	SODIUM MONOFLUOROACETATE	6.1	T4	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2028	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T4	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2029	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T4	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2030	VANADATE COMPOUND, N.O.S.	6.1	T4	II	6.1	6.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2031	NITRIC ACID, other than red fuming, with not more than 70% nitric acid	8	C1	II	8 5.1	8 5.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2032	NITRIC ACID, RED FUMING	8	C1	I	8 5.1	8 5.1	0	E0	Forbidden				
2033	METHYLAMINE, ANHYDROUS	2.1	2F		2.1	2.1	0	E0	Forbidden				
2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2.1	2F		2.1	2.1	0	E0	Forbidden				
2035	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2.1	2A		2.1	2.1	0	E0	Forbidden				
2036	XENON	2.2	1A		2.2	2.2	0	E0	Forbidden				
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2.1	2F		2.1	2.1	0	E0	Forbidden				
2038	NITROTOLUENES, LIQUID	6.1	T2	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2039	NITROXYLENES, LIQUID	6.1	T2	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2040	2,6-DINITRO-4-METHYLPHENOL, WETTED with not less than 15% water, by mass	4.1	D	II	4.1	4.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2041	2-METHYL-4,6-DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	D	II	4.1	4.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP28
2042	2-METHYLPENTANE-2,4-DIOL	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2043	DIMETHYLCYCLOHEXYLAMINE	8	C7	II	8 3	8 3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2044	2,2-DIMETHYLPROPANE	2.1	2F		2.1	2.1	0	E0	Forbidden				
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2046	CUMENE	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2047	DICHLOROPROPENES	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2048	DICYCLOPENTADIENE	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2049	DIETHYLBENZENE	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2051	DIMETHYLBENZYLAMINE	8	C7	III	8	8	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2052	DIPENTENE	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2053	METHYL ISOBUTYL CARBINOL	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2054	MORPHOLINE	8	CF1	II	8 3	8 3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2055	STYRENE MONOMER, STABILIZED	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2056	TETRAHYDROFURAN	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2057	TRIPROPYLENE	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2058	VALERALDEHYDES	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2060	TETRAMETHYLAMMONIUM HYDROXIDE	8	C7	II	8	8	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2061	AMYLAMINE	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2062	MATERIAL TOXIC BY INHALATION, LIQUID, N.O.S.	6.1	T4	II	6.1	6.1	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2063	PROPYLAMINE	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2064	METHYL ALLYL CHLORIDE	3	F1	II	3	3	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
2065	DIAMYLAMINE	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2066	TRIMETHYLBENZENES	3	F1	III	3	3	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	O2	III	5.1	5.1	5 kg	E1	P002 IBC08 LP02 R001		MP19	T7	TP1 TP33
2068	AMMONIUM NITRATE BASED FERTILIZER	5.1	O2	II	5.1	5.1	1 kg	E2	P002 IBC08		MP15	T7	TP2 TP33

x10 tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.5	3.1.2, 6.8.4	9.1.1.2	1.8.1 to 1.8.3	3.2.4	3.3.1	7.3.3	3.5	5.3.2.3.1		5.4.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	1.1	2.1.1.3	5.2.2	1.3	3.3	3.5.1.2	4.1.4	4.1.4	4.1.10.1	4.2.5.2 / 6.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for combined carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 4.3.4	9.1.1.2	1.1.3.6 (8.6)	7.3.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH		FL	2 (D/E)	V12		CV1 CV2 CV28	S2 S9	X33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	1 (D)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BN2		FL	2 (D/E)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BN2		AT	2 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		FL	2 (D/E)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	2 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BH		FL	1 (D/E)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	1 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BH		FL	1 (D/E)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	1 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BH		FL	1 (D/E)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	1 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4BH		FL	1 (D/E)			CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol
L4DH		AT	1 (D)	V12		CV1 CV2 CV28	S2 S9	33	1203	PETROL, GASOLINE or PETROL, GASOLINE BLENDED WITH ETHANOL, with more than 10 % ethanol

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging		Portable tanks and bulk containers		
									Packing instructions	Special packing provisions	Mixed packing provisions	Portable tank instructions	Special provisions
	5.1.2	2.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
0151	[illegible]	1.1	1.1.2	I	[illegible]	[illegible]	[illegible]	6.5	P130		MP19 MP20	T10	TP2 TP27
0044	[illegible]	1.1	1.1.2	II	1.1 [illegible]	66 251	[illegible]	1.4	P130 LP02		MP19	T4	TP2 [illegible]
0161	[illegible]	1.1	1.1.2	III	1.1 [illegible]	66 274	5 l	1.7	P130 IBC03 LP02		MP19	T7	TP2 [illegible]
0006	[illegible]	[illegible]	1.6	I	1.1	66 274 VV1	[illegible]	1.5	P131		MP19 MP20	T10	TP2 [illegible]
0009	[illegible]	[illegible]	1.6	II	1.1	66 274 VV1	[illegible]	1.4	P131 IBC03		MP19	T4	TP2 TP27
0016	[illegible]	1.1	1.1.2	II	1.1	6 274 VV1	1 l	1.4	P131 IBC03 LP02		MP19	T7	TP2 TP27
0017	[illegible]	1.1	1.1.2	I	1.1 [illegible]	6 274 VV1	[illegible]	1.1	P131 IBC03 LP02		MP19	T10	TP2 TP27
0018	[illegible]	1.1	1.1.2	II	1.1 [illegible]	6 274 VV1	[illegible]	1.4	P131 IBC03 LP02		MP19	T4	TP2 TP27
0019	[illegible]	1.1	1.1.2	III	1.1 [illegible]	6 274 VV1	[illegible]	1.7	P131 IBC03 LP02		MP19	T7	TP2 TP27
0020	[illegible]	1.1	1.1.2	I	1.1 [illegible]	6 274 VV1	[illegible]	1.1	P131 IBC03 LP02		MP19	T10	TP2 TP27
0021	[illegible]	1.1	1.1.2	II	1.1 [illegible]	6 274 VV1	[illegible]	1.4	P131 IBC03 LP02		MP19	T4	TP2 TP27
0022	[illegible]	1.1	1.1.2	III	1.1 [illegible]	6 274 VV1	[illegible]	1.7	P131 IBC03 LP02		MP19	T7	TP2 TP27
0023	[illegible]	1.1	1.1.2	I	1.1 [illegible]	6 274 VV1	[illegible]	1.1	P131 IBC03 LP02		MP19	T10	TP2 TP27
0024	[illegible]	1.1	1.1.2	II	1.1 [illegible]	6 274 VV1	[illegible]	1.4	P131 IBC03 LP02		MP19	T4	TP2 TP27
0025	[illegible]	1.1	1.1.2	III	1.1 [illegible]	6 274 VV1	[illegible]	1.7	P131 IBC03 LP02		MP19	T7	TP2 TP27
0026	[illegible]	1.1	1.1.2	I	1.1 [illegible]	6 274 VV1	[illegible]	1.1	P131 IBC03 LP02		MP19	T10	TP2 TP27
0027	[illegible]	1.1	1.1.2	II	1.1 [illegible]	6 274 VV1	[illegible]	1.4	P131 IBC03 LP02		MP19	T4	TP2 TP27
0028	[illegible]	1.1	1.1.2	III	1.1 [illegible]	6 274 VV1	[illegible]	1.7	P131 IBC03 LP02		MP19	T7	TP2 TP27
0029	[illegible]	1.1	1.1.2	I	1.1 [illegible]	6 274 VV1	[illegible]	1.1	P131 IBC03 LP02		MP19	T10	TP2 TP27
0030	[illegible]	1.1	1.1.2	II	1.1 [illegible]	6 274 VV1	[illegible]	1.4	P131 IBC03 LP02		MP19	T4	TP2 TP27

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.2	3.3, 3.5, 6.8.4	4.3.1.2	1.1.3.6 (Reg. 6)	7.3.3	7.3.3	7.5.11	9.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH	L4BH TE11, TE21	T1	4 (D)			CV1 CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4BN1	TE15, TE21	T1	2 (D)			CV1 CV28	S2, S9, S14	336	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4BN	TE11, TE21	T1	4 (D)			CV1 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DB	TE13, TE15 TE19, TE21	T1	4 (C, D)			CV1 CV13 CV28	S9, S14	639	3055	2-DIMETHYLAMINOETHANOL
L4DH	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE
L4DN	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DT	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4BH	TE11, TE21	T1	4 (D)			CV1 CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4BN	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S9, S14	336	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DH	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE
L4DN	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DT	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4BH	TE11, TE21	T1	4 (D)			CV1 CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE
L4BN	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S9, S14	336	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DH	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3064	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE
L4DN	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C
L4DT	TE15, TE19	T1	2 (D)			CV13 CV28	S2, S14	60	3343	NITROGLYCERIN SOLUTION IN ORGANIC SOLVENT, FLAMMABLE, flash-point not less than 23 °C

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	3.2	3.2	3.1.2.6	5.2.2	3.5	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
0359	[illegible]	1	1.1	II	1	1	0	1.1	P001		MP19	T4	TP1
0021	[illegible]	1	1.2	II	1 6	1 274	1	1.2	P001 IBC01 xx40		MP19	T4	TP2 TP27
0075	[illegible]	1	1.1	II	1		1	1.1	P001 IBC01 xx40		MP19	T4	TP1
0028	[illegible]	1.1	1.1	I	1.1 1.5	274	0	1.10	P002		MP20 MP19	T20	TP2 TP27
0029	[illegible]	1	1.2	I	1 1.5	11 274	0	1.10	P400		MP20 MP19	T11	TP2 TP27
0074	[illegible]	1	1.1	II	1 1.5	11 274	0	1.1	P400 IBC01 IBC02		MP19	T1	TP2 TP27
0076	[illegible]	1.1	1.2	I	1.1 1.5	11 274	0	1.10	P400		MP20 MP19	T14	TP2 TP27
0078	[illegible]	1.1	1.1	II	1.1 1.5	11 274	0 to 50	1.1	P400 IBC02 R001		MP19	T11	TP2 TP27
0076	[illegible]	1.1	1.3	III	1.1	11 274	0	1.1	P400 IBC03 R001		MP19	T7	TP1 TP28
0079	[illegible]	1.1	1.2	I	1.1	6 11 274	0 to 50	1.1	P001 IBC02		MP19	T11	TP1 TP27
0020	[illegible]	6.1	1.3	III	1	11 274	1	1.1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
0027	[illegible]	6.1	1.2	I	1.1	11 274 601	0	1.10	P400 IBC07		MP20	T6	TP33
0029	[illegible]	6.1	1.2	II	1.1	11 274 601	50 to 0	1.1	P400 IBC05	B4	MP19	T4	TP33
0022	[illegible]	6.1	1.2	II	1.1	11 274 601	5 kg	1.1	P002 IBC05 LP01 R001	B3	MP19	T4	TP33
0024	[illegible]	6	1.11		6	274 601 606	250 g	1.7	P001 R001a				
0026	[illegible]	6	1.2	I	6	11	0	1.10	P001 IBC02		MP19	T7	TP33
0026	[illegible]	6	1.1	III	6		5 l	1.1	P001 IBC03 LP01 R001		MP19	T2	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S19	336	3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash-point less than 23 °C
L1.5BN		FL	2 (D/E)				S2 S20	339	3022	1,2-BUTYLENE OXIDE, STABILIZED
L10CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	663	3023	2-METHYL-2-HEPTANETHIOL
L10CH	TU14 TU15 TE21	FL	1 (C/D)			CV13 CV28	S2 S22	336	3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S19	336	3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C
L10CH	TU14 TU15 TE19 TE21	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	663	3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C
L4BH	TU15 TE19	FL	2 (D/E)			CV13 CV28	S2 S9 S19	63	3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C
L4BH	TU15 TE19	FL	2 (D/E)	V12		CV13 CV28	S2 S9	63	3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC
S10AH L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC
			3 (E)		VV14			80	3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage
S10AH	TU15 TE19	AT	1 (E)	V1		CV1 CV13 CV28	S9 S14	642	3048	ALUMINIUM PHOSPHIDE PESTICIDE
LGBF		FL	3 (D/E)	V12			S2	30	3054	CYCLOHEXYL MERCAPTAN

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3055	2-(2-AMINOETHOXY) ETHANOL	8	C7	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3056	n-HEPTALDEHYDE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP19	T2	TP1
3057	TRIFLUOROACETYL CHLORIDE	2	2TC		2.3 +8		0	E0	P200		MP9	T50	TP21
3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3	D	II	3	359	0	E0	P300		MP2		
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3	F1	II	3		5 L	E2	P001 IBC02 R001	PP2	MP19	T4	TP1
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3	F1	III	3	144 145 247	5 L	E1	P001 IBC03 R001	PP2	MP19	T2	TP1
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	8	C9	II	8	163	1 L	E2	P001 IBC02		MP15	T7	TP2 TP28
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	8	C9	III	8	163	5 L	E1	P001 IBC03 R001		MP19	T4	TP1 TP29
3070	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	2	2A		2.2		120 ml	E1	P200		MP9	(M) T50	
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1 +3	274	100 ml	E0	P001 IBC02		MP15	T11	TP2 TP27
3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	9	M5		9	296 635	0	E0	P905				
3073	VINYLPYRIDINES, STABILIZED	6.1	TFC	II	6.1 +3 +8		100 ml	E0	P001 IBC01		MP15	T7	TP2
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	M7	III	9	274 335 601	5 kg	E1	P002 IBC08 LP02 R001	PP12 B3	MP10	T1 BK1 BK2	TP33
3078	CERIUM, turnings or gritty powder	4.3	W2	II	4.3	550	500 g	E2	P410 IBC07		MP14	T3	TP33
3079	METHACRYLONITRILE, STABILIZED	6.1	TF1	I	6.1 +3	354	0	E0	P602		MP8 MP17	T20	TP2 TP37
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1 +3	274 551	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5 and 6.8.4	9.1.1.1	1.1.3.6 and 8.6	7.5.1	7.5.11	7.5.11	8.5	5.3.2.3		5.4.1
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]					[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]						[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.1.1	3.1.2.6	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 3.2	4.2.5.3
1011	BUTANE	2.1											
1013	CARBON DIOXIDE	2.2											
1014	CARBON DIOXIDE AND OXYGEN MIXTURE	2.2											
1015	CARBON DIOXIDE AND NITROUS OXIDE MIXTURE	2.2											
1016	CARBON MONOXIDE, COMPRESSED	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1017	CHLORINE	2.3	2.3.1		2.3 5.1 8		0	1.10	P200		MP9	T50	
1018	CHLORODIFLUOROMETHANE	2.2											
1020	CHLOROPENTAFLUOROETHANE	2.2											
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE	2.2											
1022	CHLOROTRIFLUOROMETHANE	2.2											
1023	COAL GAS, COMPRESSED	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1026	CYANOGEN	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1027	CYCLOPROPANE	2.1											
1028	DICHLORODIFLUOROMETHANE	2.2											
1029	DICHLOROFLUOROMETHANE	2.2											
1030	1,1-DIFLUOROETHANE	2.1											
1032	DIMETHYLAMINE, ANHYDROUS	2.1											
1033	DIMETHYL ETHER	2.1											
1035	ETHANE	2.1											
1036	ETHYLAMINE	2.1											
1037	ETHYL CHLORIDE	2.1											
1038	ETHYLENE, REFRIGERATED LIQUID	2.1											
1039	METHYLAMINE, ANHYDROUS	2.1											
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2.3	2.3.1		2.3 2.1	392	0	1.10	P200		MP9	T50	
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.1				392	0	1.10	P200		MP9	T50	
1042	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2.1				392	0	1.10	P200		MP9	T50	
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2.2											
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2.2											
1045	FLUORINE, COMPRESSED	2.3	2.3.1		2.3 5.1 8		0	1.10	P200		MP9	T50	
1046	HELIUM, COMPRESSED	2.2											
1048	HYDROGEN BROMIDE, ANHYDROUS	2.3	2.3.1		2.3 8		0	1.10	P200		MP9	T50	
1049	HYDROGEN, COMPRESSED	2.1											
1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3	2.3.1		2.3 8		0	1.10	P200		MP9	T50	
1051	HYDROGEN CYANIDE, STABILIZED with less than 3% water	6.1	6.1.3		6.1 3	354	0	1.10	P200		MP9	T50	
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	8.1.3		8 6.1		0	1.10	P200		MP9	T50	
1053	HYDROGEN SULPHIDE	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1055	ISOBUTYLENE	2.1											
1056	KRYPTON, COMPRESSED	2.2											
1057	LIGHTERS or LIGHTER REFILLS containing flammable gas	2.1											
1058	LIQUEFIED GASES, NON-FLAMMABLE, CHARGED WITH NITROGEN, CARBON DIOXIDE OR AIR	2.2											
1060	METHYLACETYLENE AND PROPADIENE MIXTURES, STABILIZED such as mixture P1 or mixture P2	2.1											
1061	METHYLAMINE, ANHYDROUS	2.1											
1062	METHYL BROMIDE with not more than 2% chloropicrin	2.3	2.3.1		2.3 6.1		0	1.10	P200		MP9	T50	
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1											
1064	METHYL MERCAPTAN	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1065	NEON, COMPRESSED	2.2											
1066	NITROGEN, COMPRESSED	2.2											
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	2.3.1		2.3 5.1 8		0	1.10	P200		MP9	T50	
1069	NITROSYL CHLORIDE	2.3	2.3.1		2.3 8		0	1.10	P200		MP9	T50	
1070	NITROUS OXIDE	2.2											
1071	OIL GAS, COMPRESSED	2.3	2.3.1		2.3 2.1		0	1.10	P200		MP9	T50	
1072	OXYGEN, COMPRESSED	2.2											
1073	OXYGEN, REFRIGERATED LIQUID	2.2											
1075	PETROLEUM GASES, LIQUEFIED	2.1											
1076	PHOSGENE	2.3	2.3.1		2.3 8		0	1.10	P200		MP9	T50	
1077	PROPYLENE	2.1											
1078	REFRIGERANT GAS, N.O.S. such as mixture F1, mixture F2 or mixture F3	2.2											
1079	SULPHUR DIOXIDE	2.3	2.3.1		2.3 8		0	1.10	P200		MP9	T50	
1080	SULPHUR HEXAFLUORIDE	2.2											
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1											
1082	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2.1											
1083	TRIMETHYLAMINE, ANHYDROUS	2.1											
1085	VINYL BROMIDE, STABILIZED	2.1											
1086	VINYL CHLORIDE, STABILIZED	2.1											
1087	VINYL METHYL ETHER, STABILIZED	2.1											
1088	ACETAL	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1089	ACETALDEHYDE	3	3.1	I	3		0	1.10	P001		MP9	T50	
1090	ACETONE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1091	ACETONE OILS	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1092	ACROLEIN, STABILIZED	6.1	6.1.3		6.1 3	354	0	1.10	P200		MP9	T50	
1093	ACRYLONITRILE, STABILIZED	3	3.1	I	3 6.1		0	1.10	P001		MP9	T50	
1098	ALLYL ALCOHOL	6.1	6.1.3	I	6.1 3		0	1.10	P001		MP9	T50	
1099	ALLYL BROMIDE	3	3.1	II	3 6.1		0	1.10	P001		MP9	T50	
1100	ALLYLAMINE	6.1	6.1.3	I	6.1 3		0	1.10	P001		MP9	T50	
1101	ALLYL CHLORIDE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1102	AMYL ALCOHOL	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1104	AMYL ACETATES	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1105	PENTANOLS	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1106	AMYLAMINE	3	3.1	II	3 8		1 L	1.10	P001 IBC02		MP19	T4	TP1
1107	AMYL CHLORIDE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1108	1-PENTENE (n-AMYLENE)	3	3.1	I	3		0	1.10	P001		MP9	T50	
1109	AMYL FORMATES	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1110	n-AMYL METHYL KETONE	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1111	AMYL MERCAPTANS	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1112	AMYL NITRATES	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1113	AMYL NITRITES	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1114	BENZENE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1120	BUTANOLS	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1123	BUTYL ACETATES	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1125	n-BUTYLAMINE	3	3.1	II	3 8		1 L	1.10	P001 IBC02		MP19	T4	TP1
1126	1-BROMOBUTANE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1127	CHLOROBUTANES	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1128	n-BUTYL FORMATE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1129	BUTYRALDEHYDE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1130	CAMPHOR OIL	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1131	CARBON DISULPHIDE	3	3.1	I	3 6.1		0	1.10	P001		MP9	T50	
1133	ADHESIVES containing flammable liquid	3	3.1	I	3	274	0	1.10	P001		MP24 MP15		
1134	CHLOROBENZENE	3	3.1	II	3	274	1 L	1.10	P001 IBC02		MP19	T4	TP1
1135	ETHYLENE CHLOROHYDRIN	6.1	6.1.3	I	6.1 3		0	1.10	P001		MP9	T50	
1136	COAL TAR DISTILLATES, FLAMMABLE	3	3.1	II	3	274	1 L	1.10	P001 IBC02		MP19	T4	TP1
1139	COATING SOLUTION	3	3.1	II	3	274	1 L	1.10	P001 IBC02		MP19	T4	TP1
1143	CROTONALDEHYDE, STABILIZED	6.1	6.1.3	I	6.1 3		0	1.10	P001		MP9	T50	
1144	CROTONYLENE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1145	CYCLOHEXANE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1146	CYCLOPENTANE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1147	DECAHYDRONAPHTHALENE	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1148	DIACETONE ALCOHOL	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1149	DIBUTYL ETHERS	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1150	1,2-DICHLOROETHYLENE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1152	DICHLOROPENTANES	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1154	DIETHYLAMINE	3	3.1	II	3 8		1 L	1.10	P001 IBC02		MP19	T4	TP1
1155	DIETHYL ETHER (ETHYL ETHER)	3	3.1	I	3		0	1.10	P001		MP9	T50	
1156	DIETHYL KETONE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1157	DIISOBUTYL KETONE	3	3.1	III	3		5 L	1.10	P001 IBC03		MP19	T4	TP1
1158	DIISOPROPYLAMINE	3	3.1	II	3 8		1 L	1.10	P001 IBC02		MP19	T4	TP1
1159	DIISOPROPYL ETHER	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	3.1	II	3 8		1 L	1.10	P001 IBC02		MP19	T4	TP1
1161	DIMETHYL CARBONATE	3	3.1	II	3		1 L	1.10	P001 IBC02		MP19	T4	TP1
1162	DIMETHYLDICHLOROSILANE	3	3.1	II	3 8	274	1 L	1.10	P001 IBC02		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.2	4.3.5 6.8.4	9.1.1.2	1.1.3.6 7.5.11	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
L15S		AT	3 (D)	V12		CV13		90	1965	LIQUEFIED GAS, FLAMMABLE, N.O.S. (REFRIGERANT GAS R 1150)
T4(1.5)(2)	TE11 TT9	FL	1 (C, D)			CV1 CV13 CV36	S1	23	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX) LL(+)[+]		AT	1 (B+)			CV12	S2, S4	68	1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.
S10(AX) (+)S		AT	2 (B+)	V10		CV23		28	1961	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.
			1 (B)			CV12	S20		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)	TE11	AT	2 (B+)	V1		CV13		23	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)	TE11	AT	1 (B+)			CV12		23	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(+)S (+)[+]	TE11 TT9	AT	1 (C+)			CV1 CV13 CV36	S20 S14	239	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX) (+)[+]	TE11 TT9	AT	2 (D)	V1		CV1 CV13 CV36	S20 S14	239	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			1 (B+)			CV12 CV36	S20		1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)	TE11	AT	2 (B+)	V1		CV13 CV36		23	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)	TE11	AT	1 (B+)			CV12 CV36		23	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)		AT	2 (D)	V1				239	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)		AT	1 (B+)		V14			239	1965*	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
			2 (B+)						1969	ISOBUTANE
			2 (B+)						1978	PROPANE
L15DH		AT	1 (D)	V12		CV13	S1	239	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L10BN		AT	2 (D)			CV13		23	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L10BH		AT	1 (D)				S4	239	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L10DN		AT	2 (B+)					239	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)		AT	1 (C+)				S1	239	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
S10(AX)		AT	2 (C+)	V11				23	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	CW2	I	8 +4.3	274	0	E0	P002		MP18	T6	TP33
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	CW2	II	8 +4.3	274	1 kg	E2	P002 IBC08		MP10	T3	TP33
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	FO	CARRIAGE PROHIBITED									
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	I	5.1 +8	274	0	E0	P502		MP2		
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	II	5.1 +8	274	1 L	E2	P504 IBC01		MP2		
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	III	5.1 +8	274	5 L	E1	P504 IBC02 R001		MP2		
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	I	5.1 +6.1	274	0	E0	P502		MP2		
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	II	5.1 +6.1	274	1 L	E2	P504 IBC01		MP2		
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	III	5.1 +6.1	274	5 L	E1	P504 IBC02 R001		MP2		
3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	OS	CARRIAGE PROHIBITED									
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	P1		5.2 +1	122 181 274	25 ml	E0	P520		MP4		
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2	P1		5.2 +1	122 181 274	100 g	E0	P520		MP4		
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	P1		5.2	122 274	25 ml	E0	P520		MP4		
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	P1		5.2	122 274	100 g	E0	P520		MP4		
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	P1		5.2	122 274	125 ml	E0	P520		MP4		
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	P1		5.2	122 274	500 g	E0	P520		MP4		
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	P1		5.2	122 274	125 ml	E0	P520		MP4		
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	P1		5.2	122 274	500 g	E0	P520		MP4		
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	P1		5.2	122 274	125 ml	E0	P520 IBC520		MP4	T23	
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	P1		5.2	122 274	500 g	E0	P520 IBC520		MP4	T23	TP33
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	P2		5.2 +1	122 181 274	0	E0	P520		MP4		
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2 +1	122 181 274	0	E0	P520		MP4		
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	P2		5.2	122 274	0	E0	P520		MP4		

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
S10AN L10BH		AT	1 (E)				S20	X842	3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.
SGAN L4BN		AT	2 (E)	V11				X842	3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.
CARRIAGE PROHIBITED									3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.
			1 (E)			CV24	S20		3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.
			2 (E)			CV24			3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.
			3 (E)			CV24			3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.
			1 (E)			CV24 CV28	S20		3099	OXIDIZING LIQUID, TOXIC, N.O.S.
			2 (E)			CV24 CV28			3099	OXIDIZING LIQUID, TOXIC, N.O.S.
			3 (E)			CV24 CV28			3099	OXIDIZING LIQUID, TOXIC, N.O.S.
CARRIAGE PROHIBITED									3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.
			1 (B)	V1 V5		CV15 CV20 CV22 CV24	S9 S17		3101	ORGANIC PEROXIDE TYPE B, LIQUID
			(B)	V1 V5		CV15 CV20 CV22 CV24	S9 S17		3102	ORGANIC PEROXIDE TYPE B, SOLID
			1 (D)	V1		CV15 CV20 CV22 CV24	S8 S18		3103	ORGANIC PEROXIDE TYPE C, LIQUID
			1 (D)	V1		CV15 CV20 CV22 CV24	S8 S18		3104	ORGANIC PEROXIDE TYPE C, SOLID
			2 (D)	V1		CV15 CV22 CV24	S19		3105	ORGANIC PEROXIDE TYPE D, LIQUID
			2 (D)	V1		CV15 CV22 CV24	S19		3106	ORGANIC PEROXIDE TYPE D, SOLID
			2 (D)	V1		CV15 CV22 CV24			3107	ORGANIC PEROXIDE TYPE E, LIQUID
			2 (D)	V1		CV15 CV22 CV24			3108	ORGANIC PEROXIDE TYPE E, SOLID
L4BN (+)	TU3 TU13 TU30 TE12 TA2 TM4	AT	2 (D)	V1		CV15 CV22 CV24		539	3109	ORGANIC PEROXIDE TYPE F, LIQUID
S4AN (+)	TU3 TU13 TU30 TE12 TA2 TM4	AT	2 (D)	V1		CV15 CV22 CV24		539	3110	ORGANIC PEROXIDE TYPE F, SOLID
			1 (B)	V8		CV15 CV20 CV21 CV22 CV24	S4 S9 S16		3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED
			(B)	V8		CV15 CV20 CV21 CV22 CV24	S4 S9 S16		3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED
			(D)	V8		CV15 CV20 CV21 CV22 CV24	S4 S8 S18		3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 - 7.2.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3114	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3115	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3117	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3118	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3119	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3120	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2		5.2	[illegible]	[illegible]	[illegible]	P520		MP4		
3121	OXIDIZING SOLID, WATER REACTIVE, N.O.S.	5.1	[illegible]						CARRIAGE PROHIBITED				
3122	TOXIC LIQUID OXIDIZING, N.O.S.	6.1	TW1		6.1	[illegible]	[illegible]	[illegible]	P601		MP5 MP7		
3123	TOXIC LIQUID OXIDIZING, N.O.S.	6.1	TW1	II	6.1	[illegible]	[illegible]	[illegible]	P601		MP5		
3124	TOXIC LIQUID, WATER REACTIVE, N.O.S.	6.1	TW1		6.1	[illegible]	[illegible]	[illegible]	P601		MP5 MP7		
3125	TOXIC LIQUID, WATER REACTIVE, N.O.S.	6.1	TW1	II	6.1	[illegible]	[illegible]	[illegible]	P601		MP5		
3126	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	TS	I	6.1	[illegible]	[illegible]	[illegible]	P602		MP5	[illegible]	[illegible]
3127	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	TS	II	6.1	[illegible]	[illegible]	[illegible]	P601		MP10	[illegible]	[illegible]
3128	TOXIC SOLID, WATER REACTIVE, N.O.S.	6.1	TW2	I	6.1	[illegible]	[illegible]	[illegible]	P602		MP14	[illegible]	[illegible]
3129	TOXIC SOLID, WATER REACTIVE, N.O.S.	6.1	TW2	II	6.1	[illegible]	[illegible]	[illegible]	P602		MP10	[illegible]	[illegible]
3130	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	II	4.2	[illegible]	[illegible]	[illegible]	P410		MP14	[illegible]	[illegible]
3131	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	III	4.2	[illegible]		[illegible]	P410	[illegible]	MP14	[illegible]	[illegible]
3132	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	[illegible]						CARRIAGE PROHIBITED				
3133	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	SC2	I	4.2	[illegible]	[illegible]	[illegible]	P410		MP14	[illegible]	[illegible]
3134	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	SC2	II	4.2	[illegible]	[illegible]	[illegible]	P402	[illegible]	MP14	[illegible]	[illegible]
3135	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	[illegible]		4.3	[illegible]	[illegible]	[illegible]	P402	[illegible]	[illegible]	[illegible]	[illegible]
3136	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	[illegible]	I	4.3	[illegible]	[illegible]	[illegible]	P402	[illegible]	[illegible]	[illegible]	[illegible]

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		5.4.1
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
				V8		CV13 CV28 CV1 CV22 CV24	SV340 SV375		3111	ORGANIC PEROXIDE TYPE C, SOLID TEMPERATURE CONTROLLED
			D	V8		CV13 CV28 CV1 CV22 CV24	SV340		3119	ORGANIC PEROXIDE TYPE C, LIQUID TEMPERATURE CONTROLLED
			CP	V8		CV13 CV28 CV1 CV24	SV340		3110	ORGANIC PEROXIDE TYPE C, SOLID TEMPERATURE CONTROLLED
			CV	V8		CV13 CV28 CV22 CV24	SV340		3113	ORGANIC PEROXIDE TYPE D, LIQUID TEMPERATURE CONTROLLED
			SD	V8		CV13 CV28 CV22 CV24	SV340		3115	ORGANIC PEROXIDE TYPE D, SOLID TEMPERATURE CONTROLLED
L10DH	L10DH L10DH* L10DH(+)	S1	D	V8		CV13 CV28 CV1 CV22 CV24	SV340	3241	3241	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED
L4DH	L4DH L4DH*	S1	D	V8		CV13 CV28 CV1 CV22 CV24	SV340	3241	3242	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED
SELF-REACTIVE									3221	SELF-REACTIVE LIQUID TYPE C EMERGENCY TEMPERATURE REQUIRED
L10DH	L10DH L10DH*	S1	D			CV1 CV13 CV22	SV340	3241	3231	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
L4DH	L4DH L4DH*	S1	D			CV1 CV13 CV22 CV24	SV340	3241	3232	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
L10DH	L10DH L10DH*	S1	2 (BLEVE)			CV13 CV28	SV340	3241	3234	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED
L4DH	L4DH L4DH*	S1	D			CV1 CV13 CV22	SV340	3241	3235	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED
L10DH (+4°C)	L10DH L10DH*	S1	2 (BLEVE)			CV13 CV28	SV340	3241	3237	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
L4DH (+4°C)	L4DH L4DH*	S1	D			CV1 CV13 CV22	SV340	3241	3238	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
L10DH (+4°C)	L10DH L10DH*	S1	2 (BLEVE)			CV13 CV28	SV340	3241	3239	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED
L4DH (+4°C)	L4DH L4DH*	S1	D			CV1 CV13 CV22	SV340	3241	3240	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED
SELF-REACTIVE									3223	SELF-REACTIVE SOLID TYPE E TEMPERATURE CONTROLLED
SR(V)		S1	2 (BLEVE)	V		CV28		3529	3224	SELF-REACTIVE SOLID TYPE E TEMPERATURE CONTROLLED
SR(V)		S1	1 (BLEVE)	V		CV28		3529	3225	SELF-REACTIVE SOLID TYPE E TEMPERATURE CONTROLLED
L10DH	L10DH* L10DH(+)	S1	1 (BLEVE)	V		CV28	SV340	3529	3226	WATER-REACTIVE LIQUID CORROSIVE, N.O.S.
L4DH	L4DH* L4DH(+)	S1	1 (BLEVE)	V		CV28		3529	3230	WATER-REACTIVE LIQUID CORROSIVE, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions		Special provisions
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	WL1	I	4.3, 8	274	0	1 l	P401 IBC07 IBC99		MP19		T7 TP2 TP7
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	WT1	I	4.3, 6.1	274	0	1 l	P402 IBC02	B14 A19 B15 IBC	MP19		
3131	WATER-REACTIVE LIQUID, CORROSIVE, TOXIC, N.O.S.	4.3	WC1 WT1	I	4.3, 6.1, 8	274	0	1 l	P402 IBC02	B14 A19 B15 IBC	MP19		
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	II	4.3, 4.1	274	500 g	1 kg	P410 IBC08	B10	MP14	T3	TP33
3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	WO2	II	4.3, 5.1	274	500 g	1 kg	P410 IBC08	B10	MP14	T3	TP33
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	II	4.3, 6.1	274	500 g	1 kg	P410 IBC08	B10	MP14	T3	TP33
3135	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	WC2	II	4.3, 8	274	500 g	1 kg	P410 IBC08	B10	MP14	T3	TP33
3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2	3A		2.2	593	0 ml	1 l	P203		MP9	T75	TP5
3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	4S						CONSIGNED UNDER THE CONDITIONS SPECIFIED BY THE COMPETENT AUTHORITY				
3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6.0% propylene	2	3F		2.1		0	1 l	P203		MP9	T75	TP5
3139	OXIDIZING LIQUID, N.O.S.	5.1	3O	I	5.1, 8	274	1 l	1 l	P502 IBC01		MP2		
3140	OXIDIZING LIQUID, N.O.S.	5.1	3O	II	5.1, 8	274	1 l	1 l	P504 IBC02		MP15		
3141	OXIDIZING LIQUID, N.O.S.	5.1	3O	III	5.1, 8	274	5 l	5 l	P504 IBC03 IBC99		MP19		
3142	DISINFECTANT, LIQUID, N.O.S. with POISONOUS substances, LIQUID, N.O.S.	6.1	3T	I	6.1	274	0	1 l	P001 IBC02		MP19		
3143	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	3T	II	6.1	274	500 g	1 kg	P002 IBC08		MP14	T3	TP33
3144	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	3T	II	6.1	274	500 g	1 kg	P002 IBC08		MP14	T3	TP33
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	4C	II	8	274	1 l	1 l	P001 IBC02		MP15	T7	TP2
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	3T	II	6.1	274	500 g	1 kg	P002 IBC08		MP19		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4DH	TU14 TE21 TM2	AT	3 (E)	V1		CV23		382	3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.
L10DH	TU14 TU23 TE21 TM2 TM3	AT	1 (B/E)	V1		CV23 CV28	S20	X362	3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.
L4DH	TU14 TE21 TM2	AT	2 (D/E)	V1		CV23 CV28		362	3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.
L4DH	TU14 TE21 TM2	AT	3 (E)	V1		CV23 CV28		362	3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.
S10AN L10DH	TU4 TU14 TU22 TE21 TM2	AT	1 (B/E)	V1		CV23	S20	X482	3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.
SGAN		AT	2 (D/E)	V1		CV23		482	3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.
SGAN		AT	3 (E)	V1		CV23		482	3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.
			1 (B/E)	V1		CV23	S20		3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.
SGAN L4DH	TU14 TE21 TM2	AT	2 (D/E)	V1		CV23		423	3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.
SGAN L4DH	TU14 TE21 TM2	AT	3 (E)	V1		CV23		423	3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.
CARRIAGE PROHIBITED									3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.
			1 (B/E)	V1		CV23 CV28	S20		3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.
SGAN		AT	2 (D/E)	V1		CV23 CV28		462	3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.
SGAN		AT	3 (E)	V1		CV23 CV28		462	3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.
			1 (B/E)	V1		CV23	S20		3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.
SGAN L4DH	TU14 TE21 TM2	AT	2 (D/E)	V1		CV23		423	3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.
SGAN L4DH	TU14 TE21 TM2	AT	3 (E)	V1		CV23		423	3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.
RxBN	TU19 TA4 TT9	AT	3 (C/E)	V5		CV9 CV10 CV36	S20	22	3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID
CARRIAGE PROHIBITED									3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.
RxBN	TU18 TA4 TT9	FL	2 (B/D)	V5		CV9 CV11 CV36	S2 S17	223	3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene
			1 (E)			CV24	S20		3139	OXIDIZING LIQUID, N.O.S.
			2 (E)			CV24			3139	OXIDIZING LIQUID, N.O.S.
			3 (E)			CV24			3139	OXIDIZING LIQUID, N.O.S.
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1	T1	III	6.1	43 274	5 L	E1	P001 IBC03 LP01 R001		MP19		
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1	T4	III	6.1	45 274 512	5 L	E1	P001 IBC03 LP01 R001		MP19		
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	274	0	E5	P001		MP8 MP17		
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	274	100 ml	E4	P001 IBC02		MP15		
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19		
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	I	6.1	274	0	E5	P002 IBC07		MP18	T6	TP33
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	274	500 g	E4	P002 IBC08	B4	MP10	T3	TP33
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	274	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	I	6.1	43 274	0	E5	P001		MP8 MP17		
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	II	6.1	43 274	100 ml	E4	P001 IBC02		MP15		
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	III	6.1	43 274	5 L	E1	P001 IBC03 LP01 R001		MP19		
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	C3	I	8		0	E0	P001		MP8 MP17	T14	TP2
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	C3	II	8		1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8	C3	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	I	6.1	43 274	0	E5	P002 IBC07		MP18	T6	TP33
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	II	6.1	43 274	500 g	E4	P002 IBC08	B4	MP10	T3	TP33
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	III	6.1	43 274	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	C10	I	8	274	0	E0	P002 IBC07		MP18	T6	TP33
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	C10	II	8	274	1 kg	E2	P002 IBC08	B4	MP10	T3	TP33

UN tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.2	4.2.5, 6.8.4	9.1.1.2	1.1.3.6 [1.10]	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1140	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1142	ANTIFOULING COMPOUND, LIQUID, corrosive, flammable, n.o.s.
L4DH		X1	1 (1)			CV 1 CV 13 CV 28	V5 CW 16	60	1143	DIBUTYLAMINE, LIQUID, TOXIC, FLAMMABLE
L4DH		X1	2 (1)			CV 1 CV 28	V5 CW 9	60	1145	DIPENTENE, LIQUID, TOXIC, FLAMMABLE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1145	DIPENTENE, LIQUID, TOXIC, FLAMMABLE
S4DH (+40°C)		X1	1 (1)	V 2		CV 1 CV 13 CV 28	V5 CW 9	60	1146	DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S.
S4DH (+40°C)		X1	2 (1)	V 2		CV 1 CV 28	V5 CW 9	60	1146	DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S.
S4DH (+40°C)		X1	2 (1)	V 2	CV 1	CV 1 CV 28	V1	60	1146	DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S.
L4DH		X1	1 (1)			CV 1 CV 13 CV 28	V5 CW 9	60	1148	DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S. (including mixtures of DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S. and DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S.)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1148	DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S. (including mixtures of DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S. and DIVINYL ETHER, STABILIZED, EXPLOSIVE, TOXIC, FLAMMABLE, SOLID, TOXIC, N.O.S.)
L4DH		X1	1 (1)			CV 1 CV 13 CV 28	V5 CW 9	60	1149	DIISOPROPYL PEROXYDICARBONATE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1149	DIISOPROPYL PEROXYDICARBONATE, STABILIZED
L4DH		X1					V1	60	1150	DICHLOROETHYLENE
L4BN		X1	2 (1)					80	1152	DICHLOROPENTANES, LIQUID
L4BN		X1	1 (1)	V 2				60	1153	ETHYLENEGLYCOL DIETHYL ETHER
S4DH (+40°C)		X1	1 (1)	V 5		CV 1 CV 13 CV 28	V5 CW 9	60	1154	DIETHYLAMINE
S4DH (+40°C)		X1	2 (1)	V 1		CV 1 CV 13 CV 28	V5 CW 9	60	1155	DIETHYL ETHER, DIETHYLETHER
S4DH (+40°C)		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1156	DIETHYL KETONE
S4DH (+40°C)		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1157	DIISOBUTYL KETONE
L4DH		X1	1 (1)			CV 1 CV 13 CV 28	V5 CW 9	60	1158	DIISOPROPYLAMINE
L4DH		X1	2 (1)			CV 1 CV 28	V1	60	1159	DIISOPROPYL ETHER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1160	DIMETHYLAMINE, AQUEOUS SOLUTION
L4DH		X1	1 (1)			CV 1 CV 13 CV 28	V5 CW 9	60	1161	DIMETHYL CARBONATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1162	DIMETHYLDICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1164	DIMETHYL SULPHIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1165	DIOXANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1166	DIOXOLANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1167	DIVINYL ETHER, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1169	EXTRACTS, AROMATIC, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1170	ETHANOL, ETHYL ALCOHOL, ETHYL ALCOHOL SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1171	ETHYLENEGLYCOL MONOETHYL ETHER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1172	ETHYLENEGLYCOL MONOETHYL ETHER ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1173	ETHYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1175	ETHYLBENZENE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1176	ETHYL BORATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1177	2-ETHYLBUTYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1178	2-ETHYLBUTYRALDEHYDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1179	ETHYL BUTYL ETHER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1180	ETHYL BUTYRATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1181	ETHYL CHLOROACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1182	ETHYL CHLOROFORMATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1183	ETHYLDICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1184	ETHYLENE DICHLORIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1185	ETHYLENEIMINE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1186	ETHYLENEGLYCOL MONOMETHYL ETHER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1188	ETHYLENEGLYCOL MONOMETHYL ETHER ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1189	ETHYLENEGLYCOL MONOMETHYL ETHER ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1190	ETHYL FORMATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1191	FURFURAL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1192	ETHYL LACTATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1193	ETHYL METHYL KETONE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1194	ETHYL NITRITE SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1195	ETHYL PROPIONATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1196	ETHYLTRICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1197	EXTRACTS, FLAVOURING, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1198	FORMALDEHYDE SOLUTION, FLAMMABLE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1199	FURALDEHYDES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1201	FUSEL OIL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1202	GAS OIL, DIESEL FUEL, HEATING OIL, LIGHT
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1203	GASOLINE, MOTOR SPIRIT, PETROL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1204	NITROGLYCERIN SOLUTION IN ALCOHOL, with not more than 1% nitroglycerin
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1206	HEPTANES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1207	HEXALDEHYDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1208	HEXANES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1210	PRINTING INK, FLAMMABLE or PRINTING INK RELATED MATERIAL, FLAMMABLE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1212	ISOBUTANOL, ISOBUTYL ALCOHOL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1213	ISOBUTYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1214	ISOBUTYLAMINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1216	ISOOCTENES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1218	ISOPRENE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1219	ISOPROPANOL, ISOPROPYL ALCOHOL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1220	ISOPROPYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1221	ISOPROPYLAMINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1222	ISOPROPYL NITRATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1223	KEROSENE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1224	KETONES, LIQUID, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1225	MESITYL OXIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1227	METHACRYLIC ACID, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1229	MESITYL OXIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1230	METHANOL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1231	METHYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1233	METHYLAMYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1234	METHYLBENZENE SULPHONYL CHLORIDE, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1235	METHYLAMINE, AQUEOUS SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1237	METHYL BUTYRATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1238	METHYL CHLOROFORMATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1239	METHYL CHLOROMETHYL ETHER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1242	METHYLDICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1243	METHYL FORMATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1244	METHYLHYDRAZINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1245	METHYL ISOBUTYL KETONE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1246	METHYL ISOPROPENYL KETONE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1247	METHYL METHACRYLATE MONOMER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1248	METHYL PROPIONATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1249	METHYL PROPYL KETONE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1250	METHYLTRICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1251	METHYL VINYL KETONE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1259	NICKEL CARBONYL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1261	NITROMETHANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1262	OCTANES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1263	PAINT, PAINT RELATED MATERIAL, LACQUER, LACQUER BASE, LIQUID, FLAMMABLE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1264	PARALDEHYDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1265	PENTANES, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1266	PERFUMERY PRODUCTS, with flammable solvents
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1267	PETROLEUM CRUDE OIL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1270	PETROLEUM OIL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1272	PINE OIL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1274	PROPANOL, n-PROPYL ALCOHOL, n-
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1275	PROPIONALDEHYDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1276	n-PROPYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1277	PROPYLAMINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1278	PROPYL CHLORIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1279	PROPYLENE DICHLORIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1280	PROPYLENE OXIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1281	PYROXYLIN SOLUTION, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1282	PYRIDINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1286	RUBBER SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1287	RUBBER SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1288	SHALE OIL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1289	SODIUM METHYLATE SOLUTION IN ALCOHOL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1292	TETRAETHYL SILICATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1293	TINCTURES, MEDICINAL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1294	TOLUENE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1295	TRICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1296	TRIETHYLAMINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1297	TRIMETHYLAMINE, AQUEOUS SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1298	TRIMETHYLCHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1299	TURPENTINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1300	TURPENTINE SUBSTITUTE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1301	VINYL ACETATE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1302	VINYL ETHYL ETHER, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1303	VINYLIDENE CHLORIDE, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1304	VINYL ISOBUTYL ETHER, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1305	VINYLTRICHLOROSILANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1306	WOOD PRESERVATIVES, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1307	XYLENES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1309	ALUMINIUM POWDER, COATED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1312	BORNEOL
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1313	CALCIUM RESINATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1314	CALCIUM RESINATE, FUSED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1318	COBALT RESINATE, PRECIPITATED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1320	DINITROPHENOL, WETTED with not less than 15% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1323	FERROCERIUM
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1324	FILMS, NITROCELLULOSE BASE, other than cinematographic, with gelatine layer
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1325	FLAMMABLE SOLID, ORGANIC, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1326	HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1327	HAY, STRAW or STRAW, CHOPPED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1328	HEXAMETHYLENETETRAMINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1330	MANGANESE RESINATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1331	MATCHES, WAX VESTA
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1332	METALDEHYDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1333	CERIUM, slabs, ingots or rods
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1336	NITROGUANIDINE, WETTED with not less than 20% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1337	NITROSTARCH, WETTED with not less than 20% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1338	PHOSPHORUS, AMORPHOUS, RED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1339	PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1340	PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1341	PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1343	PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1344	PICRIC ACID, WETTED with not less than 30% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1345	RUBBER SCRAP or RUBBER SHODDY, POWDERED or GRANULATED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1346	SILICON POWDER, AMORPHOUS
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1347	SILVER PICRATE, WETTED with not less than 30% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1348	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 15% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1349	SODIUM PICRAMATE, WETTED with not less than 20% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1350	SULPHUR
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1352	TITANIUM POWDER, WETTED with not less than 25% water (a visible excess)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1353	FIBRES, IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1354	TRINITROBENZENE, WETTED with not less than 30% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1355	TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1356	TRINITROTOLUENE, WETTED with not less than 30% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1357	UREA NITRATE, WETTED with not less than 20% water, by mass
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1358	ZIRCONIUM POWDER, WETTED with not less than 25% water (a visible excess)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1360	CALCIUM PHOSPHIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1361	CARBON, ANIMAL or VEGETABLE ORIGIN
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1362	CARBON, ACTIVATED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1363	COPRA
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1364	COTTON WASTE, OILY
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1365	COTTON, WET
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1366	DIETHYLZINC
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1367	ETHYLDICHLOROARSINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1368	FISH MEAL, UNSTABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1369	FISH MEAL, STABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1370	DIMETHYLZINC
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1371	METHALLYL ACETATE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1372	FIBRES, ANIMAL or FIBRES, VEGETABLE, BURNT, WET or DAMP
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1373	FIBRES, ANIMAL or FIBRES, VEGETABLE or SYNTHETIC, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1374	FISH MEAL, UNSTABILIZED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1377	METHYLDICHLOROARSINE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1378	METAL CATALYST, WETTED with a visible excess of liquid
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1379	PAPER, UNSATURATED OIL TREATED, INCOMPLETELY DRIED (including carbon paper)
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1380	PENTABORANE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1381	PHOSPHORUS, WHITE, DRY or PHOSPHORUS, WHITE, UNDER WATER or PHOSPHORUS, WHITE, IN SOLUTION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1383	PYROPHORIC METAL, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1384	SODIUM DITHIONITE or SODIUM HYDROSULPHITE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1386	SEED CAKE with more than 1.5% oil and not more than 11% oil and not more than 11% moisture
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1387	WOOL WASTE, WET
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1389	ALKALI METAL AMALGAM, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1390	ALKALI METAL AMIDES
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1392	ALKALINE EARTH METAL AMALGAM, LIQUID
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1393	ALKALINE EARTH METAL ALLOY, N.O.S.
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1394	ALUMINIUM CARBIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1395	ALUMINIUM FERROSILICON POWDER
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1396	ALUMINIUM POWDER, UNCOATED
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1397	ALUMINIUM PHOSPHIDE
L4DH		X1	2 (1)	V 2		CV 1 CV 28	V1	60	1398	ALUMINIUM SILICON POWDER, UNCOATED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
		2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	7.2.5.1
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ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]		[illegible]	[illegible]		[illegible]			80	3147	DYES, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	X323	3148	WATER-REACTIVE LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		323	3148	WATER-REACTIVE LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		323	3148	WATER-REACTIVE LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		58	3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED
			[illegible]			[illegible]	[illegible]		3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	90	3151	POLYHALOGENATED BIPHENYLS, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90	3152	POLYHALOGENATED BIPHENYLS, SOLID or POLYHALOGENATED TERPHENYLS, SOLID
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	23	3153	PERFLUORO(METHYL VINYL ETHER)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	23	3154	PERFLUORO(ETHYL VINYL ETHER)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	60	3155	PENTACHLOROPHENOL
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		25	3156	COMPRESSED GAS, OXIDIZING, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		25	3157	LIQUEFIED GAS, OXIDIZING, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	22	3158	GAS, REFRIGERATED LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		20	3159	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	263	3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	23	3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	26	3162	LIQUEFIED GAS, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		20	3163	LIQUEFIED GAS, N.O.S.
			[illegible]			[illegible]			3164	ARTICLES, PRESSURIZED PNEUMATIC or HYDRAULIC (containing non-flammable gas)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	3	FTC		3 +6.1 +8		0	E0	P301		MP7		
3166	Engine, internal combustion or vehicle, flammable gas powered or vehicle, flammable liquid powered or engine, fuel cell, flammable gas powered or engine, fuel cell, flammable liquid powered or vehicle, fuel cell, flammable gas powered or vehicle, fuel cell, flammable liquid powered	9	M11	NOT SUBJECT TO ADR									
3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2	7F		2.1		0	E0	P201		MP9		
3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2	7TF		2.3 +2.1		0	E0	P201		MP9		
3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2	7T		2.3			0	P201		MP9		
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	W2	II	4.3	244	500 g	E2	P410 IBC07		MP14	T3 BK1 BK2	TP33
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	W2	III	4.3	244	1 kg	E1	P002 IBC08 R001	B4	MP14	T1 BK1 BK2	TP33
3171	Battery-powered vehicle or Battery-powered equipment	9	M11	NOT SUBJECT TO ADR (see also special provision 240, Chapter 3.3)									
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	I	6.1	210 274	0	E5	P001		MP8 MP17		
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	II	6.1	210 274	100 ml	E4	P001 IBC02		MP15		
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	III	6.1	210 274	5 L	E1	P001 IBC03 LP01 R001		MP19		
3174	TITANIUM DISULPHIDE	4.2	S4	III	4.2		0	E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33
3175	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 61 °C	4.1	F1	II	4.1	216 274 601	1 kg	E2	P002 IBC06 R001	PP9	MP11	T3 BK1 BK2	TP33
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F2	II	4.1	274		E0				T3	TP3 TP26
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F2	III	4.1	274	0	E0				T1	TP3 TP26

ADR tank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	4.2.4	7.3.1	7.5.11	8.5	9.1.2.3		1.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(2)
			(1)			(VC1) (VC2) (VC3)	(S*) (S*)		3105	UNDECANOYL PEROXY-3,5,5-TRIMETHYLHEXANOATE, TYPE D, LIQUID, TEMPERATURE CONTROLLED
									3106	PENTAMETHYLHEPTANE, TYPE B, LIQUID, TEMPERATURE CONTROLLED
			(1)			(VC1) (VC2)	(S*)		3107	ORGANIC PEROXIDE, LIQUID, SAMPLE, TEMPERATURE CONTROLLED
			(1)			(VC1)	(S*)		3109	ORGANIC PEROXIDE, SOLID, SAMPLE, TEMPERATURE CONTROLLED
			(1)			(VC1)			3110	ORGANIC PEROXIDE, SOLID, POWDERY, TEMPERATURE CONTROLLED
SGAN		VE	(2)	(1)	SG 3	(AP 7)		423	3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS
SGAN		VE	(2)	(1)	SG 3	(AP 7)		423	3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS
									3171	BATTERY-POWERED EQUIPMENT or BATTERY-POWERED APPARATUS
L4BH	TP33 TP40	VE	(1)			(VC1) (AP 6) (AP 7)	SW SE 12	60	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
L4BH	TP33 TP40	VE	(1)			(AP 6) (AP 7)	SW SE 12	60	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
L4BH	TP33 TP40	VE	(1)	(2)		(AP 6) (AP 7)	SW	60	3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
SGAN		VE	(1)	(2)	SG 3			40	3178	FLAMMABLE SOLID, INORGANIC, N.O.S.
		VE	(1)	(2)	SG 3			40	3178	FLAMMABLE SOLID, INORGANIC, N.O.S., POWDER, PACKING GROUP II
L4BV	TP33 TP40	VE	(1)					40	3179	FLAMMABLE SOLID, TOXIC, N.O.S.
L4BV	TP33 TP40	VE	(1)					60	3179	FLAMMABLE SOLID, TOXIC, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
3.1	3.2	3.2	3.2	3.1.2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.1.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	III	III	9	274	kg	5 kg	P002 IBC08		MP19	T1	TP33
3078	CERIUM, turnings or gritty powder	4.3	II	II	4.3	274	1 kg	1 kg	P410		MP20	T3	TP33
3079	METHACRYLONITRILE, STABILIZED	6.1	I	I	6.1 +3	274	0	0	P001 IBC02		MP15	T14	TP2 TP13 TP27
3080	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	II	II	6.1	274	1 kg	1 kg	P002 IBC08		MP19	T7	TP2 TP13 TP28
3081	POLYVINYL CHLORIDE RESIN, SOLUTION	3	III	III	3 +6.1	274	5 L	5 L	P001 IBC02		MP19	T4	TP1 TP29
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III	III	9	274	5 L	5 L	P001 IBC03		MP19	T4	TP1 TP29
3083	PERCHLORYL FLUORIDE	2	2TO	2	2.3 +5.1 +8	274	0	0	P200		MP9	T50	TP19
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	C2	II	8 +5.1	274	0	0	P002 IBC08		MP19	T3	TP33
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	O2	II	5.1 +8	274	0	0	P002 IBC08		MP19	T3	TP33
3086	POLYMERIC BEADS, TOXIC, N.O.S.	6.1	T2	III	6.1	274	5 kg	5 kg	P002 IBC08		MP19	T1	TP33
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	O2	II	5.1 +6.1	274	0	0	P002 IBC08		MP19	T3	TP33
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	S2	II	4.2	274	0	0	P002 IBC08		MP19	T3	TP33
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	F2	II	4.1	274	0	0	P002 IBC08		MP19	T3	TP33
3090	LITHIUM BATTERIES	9	M3	II	9	274 188 189 190 191 192	0	0	P903	PP16	MP24	T3	TP33
3091	LITHIUM BATTERIES CONTAINED IN EQUIPMENT or LITHIUM BATTERIES PACKED WITH EQUIPMENT	9	M4	II	9	188 189 190 191 192	0	0	P903	PP17	MP24	T3	TP33
3092	1-METHOXY-2-PROPANOL	3	F1	III	3	274	5 L	5 L	P001 IBC03		MP19	T4	TP1 TP29
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	C9	II	8 +5.1	274	0	0	P001 IBC02		MP15	T7	TP2 TP13 TP28
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	C10	II	8 +4.3	274	0	0	P001 IBC02		MP15	T7	TP2 TP13 TP28
3095	2-METHYLBUTANAL	3	F1	II	3	274	1 L	1 L	P001 IBC02		MP19	T7	TP1 TP8 TP28
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	C7	II	8 +4.3	274	0	0	P002 IBC08		MP19	T3	TP33
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	F3	II	4.1 +5.1	274	0	0	P002 IBC08		MP19	T3	TP33
3098	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	O1	II	5.1 +6.1	274	0	0	P504		MP15	T10	TP2 TP13 TP28
3099	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	O1	II	5.1 +8	274	0	0	P504		MP15	T10	TP2 TP13 TP28
3100	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	O2	II	5.1 +4.3	274	0	0	P002 IBC08		MP19	T3	TP33
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	P1	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2	P2	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	P1	III	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	P2	III	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	P1	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	P2	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	P1	III	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	P2	III	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	P1	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	P2	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	P1	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	P2	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	P1	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2	P2	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	P1	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2	P1	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2	P2	II	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2	P1	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2	P2	I	5.2	181	0	0	P520		MP15	T11	TP2 TP13

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	5.4.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
SGAN		AT	2 (D)	V1				40	[illegible]	FLAMMABLE SOLID INORGANIC, N.O.S.
SGAN		AT	1 (D)		CV			40	[illegible]	FLAMMABLE SOLID INORGANIC, N.O.S.
SGAN		AT	2 (D)	V1		CV25		46	[illegible]	FLAMMABLE SOLID TOXIC INORGANIC, N.O.S.
SGAN		AT	1 (D)			CV25		46	[illegible]	FLAMMABLE SOLID TOXIC INORGANIC, N.O.S.
SGAN		AT	2 (D)	V1				48	[illegible]	FLAMMABLE SOLID CORROSIVE INORGANIC, N.O.S.
SGAN		AT	1 (D)					48	[illegible]	FLAMMABLE SOLID CORROSIVE INORGANIC, N.O.S.
SGAN		AT	2 (D)	V1				40	[illegible]	METAL SULFIDES ORGANIC COMPOUNDS FLAMMABLE, N.O.S.
SGAN		AT	1 (D)		CV			40	[illegible]	METAL SULFIDES ORGANIC COMPOUNDS FLAMMABLE, N.O.S.
SGAN		AT	2 (D)					40	[illegible]	METAL HYDRIDES FLAMMABLE, N.O.S.
SGAN		AT	1 (D)		CV			40	[illegible]	METAL HYDRIDES FLAMMABLE, N.O.S.
14001	[illegible]	AT	2 (D)	V1				30	[illegible]	SELF-HEATING LIQUID ORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1				30	[illegible]	SELF-HEATING LIQUID ORGANIC, N.O.S.
14001	[illegible]	AT	2 (D)	V1		CV25		36	[illegible]	SELF-HEATING LIQUID TOXIC ORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1		CV25		36	[illegible]	SELF-HEATING LIQUID TOXIC ORGANIC, N.O.S.
14001	[illegible]	AT	2 (D)	V1				38	[illegible]	SELF-HEATING LIQUID CORROSIVE ORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1				38	[illegible]	SELF-HEATING LIQUID CORROSIVE ORGANIC, N.O.S.
14001	[illegible]	AT	2 (D)	V1				30	[illegible]	SELF-HEATING LIQUID INORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1				30	[illegible]	SELF-HEATING LIQUID INORGANIC, N.O.S.
14001	[illegible]	AT	2 (D)	V1		CV24		36	[illegible]	SELF-HEATING LIQUID TOXIC INORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1		CV24		36	[illegible]	SELF-HEATING LIQUID TOXIC INORGANIC, N.O.S.
14001	[illegible]	AT	2 (D)	V1				38	[illegible]	SELF-HEATING LIQUID CORROSIVE INORGANIC, N.O.S.
14001	[illegible]	AT	1 (D)	V1				38	[illegible]	SELF-HEATING LIQUID CORROSIVE INORGANIC, N.O.S.
SGAN		AT	2 (D)	V1				40	[illegible]	METAL POWDER SELF-HEATING, N.O.S.
SGAN		AT	1 (D)	V1	CV4			40	[illegible]	METAL POWDER SELF-HEATING, N.O.S.
SGAN		AT	2 (D)	V1				40	[illegible]	SELF-HEATING SOLID INORGANIC, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted qu.		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk: Tank code	Portable tanks and bulk: Special provisions
	3.1.2	2.2	2.1	5.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2.6 5.4.1.1	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1190	ISOBUTYL ACETATE	3	5F	II	3	127	5 L	E2	P001 IBC02 R001		MP19	T1	TP1
1191	OCTYL ALDEHYDES	3	5F	III	3	127	5 L	E2	P001 IBC03		MP19	T2	TP1
1192	ETHYL LACTATE	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T1	TP1
1193	ETHYL METHYL KETONE	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1194	ETHYL NITRITE SOLUTION	3	6F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1195	ETHYL PROPIONATE	3	5F	II	3	127	5 L	E2	P001 IBC02 R001		MP19	T1	TP1
1196	ETHYLTRICHLOROSILANE	3	8F	II	3	127	1 L	E2	P010 IBC02 R001		MP19	T1	TP1
1197	EXTRACTS, FLAVOURING, LIQUID	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	8F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1199	FURALDEHYDES	6.1	6F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1200	AMYL ALCOHOL	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1201	AMYL ALCOHOL	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1202	DIESEL FUEL	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1204	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1205	OILS, FUEL	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1206	OCTANES	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1207	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	5F	II	3	163 223 367	5 L	E2	P001 IBC02 R001		MP19	T4	TP1 TP29
1208	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3	5F	III	3	163 223 367	5 L	E1	P001 IBC03 R001		MP19	T2	TP1 TP29
1209	PERCHLOROETHYLENE	6.1	6F	III	6.1	127	5 L	E1	P001 IBC03 R001		MP19	T1	TP1
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	5F	II	3	163 223 367	5 L	E2	P001 IBC02 R001		MP19	T4	TP1 TP29
1211	PROPIONIC ACID	8	8F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1212	PROPIONIC ACID	8	8F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1213	PROPYL ACETATES	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1214	PROPYLAMINE	3	8F	I	3 8	127	0	E0	P001 IBC01 R001		MP19	T7	TP1
1215	PROPYLENE	2.1	2F		2.1	87	1 L	E0	P200		MP9		
1216	SOYBEAN OIL, EXPELLER QUALITY	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1217	STYRENE MONOMER, STABILIZED	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1218	ISOPRENE, STABILIZED	3	5F	I	3	127	0	E0	P001 IBC01 R001		MP19	T7	TP1
1219	ISOPROPANOL or ISOPROPYL ALCOHOL	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1220	ISOPROPYL ACETATE	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1221	ISOPROPYLAMINE	3	8F	I	3 8	127	0	E0	P001 IBC01 R001		MP19	T7	TP1
1222	SODIUM NITRATE	5.1	1O	III	5.1	127	5 L	E1	P002 IBC03		MP10	T3	TP33
1223	KEROSENE	3	5F	III	3	127	5 L	E1	P001 IBC03 R001		MP19	T2	TP1
1224	KETONES, LIQUID, N.O.S.	3	5F	II	3	127	1 L	E2	P001 IBC02 R001		MP19	T1	TP1
1225	NICKEL NITRATE	5.1	1O	III	5.1	127	5 L	E1	P002 IBC03		MP10	T3	TP33
1226	NICKEL NITRITE	5.1	1O	III	5.1	127	5 L	E1	P002 IBC03		MP10	T3	TP33
1227	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	1O	III	5.1	127	5 L	E1	P002 IBC03		MP10	T3	TP33
1228	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	1O	III	5.1	127	5 L	E1	P002 IBC03		MP10	T3	TP33

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAV		AT	3 (E)	V1	VV3			40	3190	SELF-HEATING SOLID, INORGANIC, N.O.S.
SGAN		AT	2 (D/E)	V1		CV28		46	3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.
SGAN		AT	3 (E)	V1		CV28		46	3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.
SGAN		AT	2 (D/E)	V1				48	3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.
SGAN		AT	3 (E)	V1				48	3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.
L21DH	TU14 TE21 TC1 TM1	AT	0 (B/E)	V1			S20	333	3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.
		AT	0 (B/E)	V1			S20	43	3200	PYROPHORIC SOLID, INORGANIC, N.O.S.
SGAN		AT	2 (D/E)	V1				40	3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.
SGAN		AT	3 (E)	V1				40	3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.
SGAN		AT	2 (D/E)	V1				48	3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.
SGAN		AT	3 (E)	V1				48	3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.
			1 (E)	V1		CV23	S20		3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.
SGAN		AT	2 (D/E)	V1		CV23		423	3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.
SGAN		AT	3 (E)	V1	VV5	CV23		423	3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.
			1 (E)	V1		CV23	S20		3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.
SGAN		AT	2 (D/E)	V1		CV23		423	3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.
SGAN		AT	3 (E)	V1	VV5	CV23		423	3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.
LGBV	TU3	AT	2 (E)			CV24		50	3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
LGBV	TU3	AT	3 (E)			CV24		50	3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
LGBV	TU3	AT	2 (E)			CV24		50	3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
LGBV	TU3	AT	3 (E)			CV24		50	3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
SGAV	TU3	AT	2 (E)	V11		CV24		50	3212	HYPOCHLORITES, INORGANIC, N.O.S.
LGBV	TU3	AT	2 (E)			CV24		50	3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
LGBV	TU3	AT	3 (E)			CV24		50	3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing limitations	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	5.1.2	2.2	2.2	2.1.1.3	5.1.2	2.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 [illegible]	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTIONS, N.O.S.	5	[illegible]	II	5	[illegible]	1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
3215	PERSULPHATES, INORGANIC, N.O.S.	5	[illegible]	III	5.1		[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	[illegible]	III	5.1		5.1	1	[illegible]		[illegible]	[illegible]	[illegible]
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	[illegible]	II	5.1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
3219	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	[illegible]	III	5.1	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
3218	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	[illegible]	II	5.1	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	[illegible]	III	1	[illegible]	[illegible]	1	[illegible]		[illegible]	[illegible]	[illegible]
3220	PENTAFLUOROETHANE, COMPRESSED GAS (R 125)	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
3221	SELF-REACTIVE LIQUID TYPE D	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3222	SELF-REACTIVE SOLID TYPE D	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3223	SELF-REACTIVE LIQUID TYPE C	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3224	SELF-REACTIVE SOLID TYPE C	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3225	SELF-REACTIVE LIQUID TYPE D	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		
3226	SELF-REACTIVE SOLID TYPE D	4.1	SR1		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		
3227	SELF-REACTIVE LIQUID TYPE E	4.1	[illegible]		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		
3228	SELF-REACTIVE SOLID TYPE E	4.1	[illegible]		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		
3229	SELF-REACTIVE LIQUID TYPE F	4.1	[illegible]		4.1	[illegible]	[illegible]	[illegible]	P520 [illegible]		[illegible]	[illegible]	
3230	SELF-REACTIVE SOLID TYPE F	4.1	[illegible]		4.1	[illegible]	[illegible]	[illegible]	P520 [illegible]		[illegible]	[illegible]	
3231	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
3232	SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
3233	SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3234	SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	P520	[illegible]	[illegible]		
3235	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		
3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1	SR2		4.1	[illegible]	[illegible]	[illegible]	P520		[illegible]		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.2	4.2.5.6.8.1	9.1.1.2	1.1.3.6 (Rn)	7.2.4	7.3.2	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	AT	2 (1)			CV24		50	3214	PERMANGANATES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)		VX5	CV21		50	[illegible]	PERSULPHATES INORGANIC NOS
[illegible]	[illegible]	AT	2 (1)			CV21		50	[illegible]	PERSULPHATES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)			CV21		50	[illegible]	NITRATES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)			CV21		50	[illegible]	NITRATES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)			CV21		50	[illegible]	NITRITES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)			CV21		50	3214	NITRITES INORGANIC AQUEOUS SOLUTION NOS
[illegible]	[illegible]	AT	2 (1)			CV9 CV10 CV16		20	3220	PENTAFLUOROETHYLENE (REFRIGERANT GAS R 1[illegible])
			2 (1)	V1		CV15 CV20 CV22	S9 S12		[illegible]	SELF-REACTIVE LIQUID TYPE D
			2 (1)	V1		CV15 CV20 CV22	S9 S12		[illegible]	SELF-REACTIVE SOLID TYPE D
			2 (1)	V1		CV15 CV20 CV22	S9 S13		[illegible]	SELF-REACTIVE LIQUID TYPE D
			2 (1)	V1		CV15 CV20 CV22	S9 S13		3224	SELF-REACTIVE SOLID TYPE D
			2 (1)	V1		CV15 CV22	[illegible]		3225	SELF-REACTIVE LIQUID TYPE D
			2 (1)	V1		CV15 CV22	[illegible]		3226	SELF-REACTIVE SOLID TYPE D
			2 (1)	V1		CV15 CV22			3227	SELF-REACTIVE LIQUID TYPE D
			2 (1)	V1		CV15 CV22			3228	SELF-REACTIVE SOLID TYPE D
		AT	2 (1)	V1		CV15 CV22		15	[illegible]	SELF-REACTIVE LIQUID TYPE D
		AT	2 (1)	V1		CV15 CV22		15	[illegible]	SELF-REACTIVE SOLID TYPE D
			(1)	V5		CV15 CV20 CV21 CV22	S4 S9 S16		[illegible]	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
			(1)	V5		CV15 CV20 CV21 CV22	S4 S9 S16		[illegible]	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED
			(1)	V5		CV15 CV20 CV21 CV22	S4 S9 S17		[illegible]	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
			2 (1)	V5		CV15 CV20 CV21 CV22	S4 S9 S17		[illegible]	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
			2 (1)	V5		CV15 CV20 CV21 CV22	S4 S9 S18		[illegible]	SELF-REACTIVE LIQUID TYPE D TEMPERATURE CONTROLLED
			2 (1)	V5		CV15 CV20 CV21 CV22	S4 S9 S18		[illegible]	SELF-REACTIVE SOLID TYPE D TEMPERATURE CONTROLLED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	2.1.2	2.2	2.2	2.2.2.2	5.2.2	3.3	3.4	3.5.2.2	4.1.4	4.1.4	4.1.10	4.1.5.2 4.1.2	4.1.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3237	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1	SR2		4.1	194 274	0	E0	P520		MP2		
3238	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	4.1	SR2		4.1	194 274	0	E0	P520		MP2		
3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4.1	SR2		4.1	194 274	0	E0	P520		MP2	T23	
3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4.1	SR2		4.1	194 274	0	E0	P520		MP2	T23	
3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1	SR1	III	4.1	638	5 kg	E1	P520 IBC08	PP22 B1	MP2		
3242	AZODICARBONAMIDE	4.1	SR1	II	4.1	215 638	1 kg	E2	P460		MP2	T1	TP33
3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	6.1	C9	II	6.1	217 274 500	500 g	E4	P002 IBC02	PP9	MP10	T1 BK1 BK2	TP33
3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	8	C10	II	8	215 274	1 kg	E2	P002 IBC08	PP9	MP10	T1 BK1 BK2	TP33
3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	9	M8		9	219 517	0	E0	P904 IBC08		MP9		
3246	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS, in refrigerated liquid nitrogen	9	M8		9 +2.2	219 517	0	E0	P904 IBC08		MP9		
3246	METHANESULPHONYL CHLORIDE	6.1	TC1	I	6.1 +8	254	0	E0	P402		MP8 MP17	T26	TP2 TP37
3247	SODIUM PEROXOBORATE, ANHYDROUS	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP2	T3	TP33
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3 +6.1	220 221 600	1 L	E2	P001		MP19		
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT	III	3 +6.1	220 221 600	5 L	E1	T002 IBC02		MP19		
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	T2	I	6	221 600	500 g	E4	P002		MP10	T3	TP33
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	T2	III	6	221 600	5 kg	E1	P002 IBC02 IBC03		MP11	T1	TP33
3250	CHLOROACETIC ACID, MOLTEN	6.1	TC1	II	6.1 +8		0	E0				T7	TP2 TP28
3251	ISOSORBIDE-5-MONONITRATE	4.1	SR1	III	4.1	226 638	5 kg	E1	P409		MP2		
3252	DIFLUOROMETHANE (REFRIGERANT GAS R 32)	2	[illegible]		2.1		0	E0	P200		MP9	T50	
3253	DISODIUM PHOSPHORIDATE	6	C6	III	8		5 kg	E1	P002 IBC08 IBC09 IBC10	B4	MP10	T1	TP33
3254	TRIBUTYLPHOSPHINE	4.2	S1	I	4.2		0	E0	P400		MP2	T21	TP2 TP27
3255	tert-BUTYL HYPOCHLORITE	4.2	SC1	CARRIAGE PROHIBITED									
3256	ELEVATED TEMPERATURE LIQUID FLAMMABLE, N.O.S. with flashpoint above 60 °C, at or above its flashpoint and below 100 °C	3	S2	III	3	274 660	0	E0	P099 IBC99		MP2	T3	TP2 TP29

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			[illegible]	[illegible]		[illegible]	[illegible]		3237	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED
			[illegible]	[illegible]		[illegible]	[illegible]		3238	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED
		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	3239	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED
		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	3240	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED
			[illegible]			[illegible]	[illegible]		3241	2-BROMO-2-NITROPROPANE-1,3-DIOL
		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3242	AZODICARBONAMIDE
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.
[illegible]		[illegible]	[illegible]		[illegible]			[illegible]	3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.
			[illegible]			[illegible]	[illegible]		3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS
			[illegible]			[illegible]	[illegible]		3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS, in liquid nitrogen
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3246	METHANESULPHONYL CHLORIDE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	3247	SODIUM PEROXOBORATE, ANHYDROUS
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3249	MEDICINE, SOLID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	3249	MEDICINE, SOLID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3250	CHLOROACETIC ACID, MOLTEN
			[illegible]			[illegible]	[illegible]		3251	ISOSORBIDE-5-MONONITRATE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	3252	DIFLUOROMETHANE (REFRIGERANT GAS R 32)
[illegible]		[illegible]	[illegible]		[illegible]			[illegible]	3253	DISODIUM TRIOXOSILICATE
		[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	3254	TRIBUTYLPHOSPHANE
			CARRIAGE PROHIBITED						3255	tert-BUTYL HYPOCHLORITE
[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. (contains [illegible])	3		II	3	274	0	1 l	Forbidden		MP19	T1	TP1 TP29
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash point (including molten metals, molten salts, etc.)	9	M9	III	9	274	0	5 l	IBC03 IBC08			T1	TP1 TP29
3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	9	M9	III	9	274	0	1	IBC03 IBC08			T1	TP1 TP29
3259	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	9	M10	III	9	274	0	1	IBC03 IBC08				
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	C4	I	4	274	0	1 l	IBC02 IBC06		MP19	T6	TP33
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	C4	II	4	274	0	1 l	IBC02 IBC06	28	MP19	T4	TP33
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	C6	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T4	TP33
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	C6	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T4	TP33
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T7	TP2 TP28
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T7	TP2 TP28
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T7	TP2 TP28
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	II	8	274	0	1 l	IBC02 IBC06	28	MP19	T7	TP2 TP28
3268	SAFETY DEVICES, electrically initiated	9	M11	II	9	289	0	1 l	Forbidden		MP19	T4	TP33
3269	POLYESTER RESIN KIT, liquid base material	3		III	3	274	5 l	60 l	IBC03 IBC08 LP02 PP01		MP19	T2	TP1
3270	NITRILE POLYMER, in primary forms	9	M11	III	9	274	0	5 kg	IBC08 LP02 PP08		MP19	T1	TP1
3271	ETHERS, N.O.S.	3	F1	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T4	TP1 TP29
3272	ESTERS, N.O.S.	3	F2	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T4	TP1 TP29
3273	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	T1	I	3	274	0	1 l	Forbidden		MP19	T14	TP2 TP13 TP28
3274	ALCOHOLATES SOLUTION, N.O.S., in alcohol	3	F1	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T4	TP1 TP29
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	T1	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3276	NITRILES, TOXIC, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	T3	II	8	274	0	1 l	Forbidden		MP19	T7	TP2 TP28
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	T4	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3280	ORGANOARSENIC COMPOUND, N.O.S.	6.1	T4	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3281	METAL CARBONYLS, N.O.S.	6.1	T4	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3282	ORGANOMETALLIC COMPOUND, TOXIC, N.O.S.	6.1	T4	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T1	III	6	274	0	5 kg	IBC08 LP02 PP08		MP19	T1	TP1
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3285	VANADIUM COMPOUND, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	F1	II	3	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	T3	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28
3289	TOXIC LIQUID, INORGANIC, CORROSIVE, N.O.S.	6.1	T1	II	6	274	0	1 l	IBC02 IBC06 LP01 PP01		MP19	T7	TP2 TP28

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
LGAV	TU35 TC7 TE21	FL	3 (D/E)				S2	30	3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S., with flash-point above 60 °C, at or above its flash-point
LGAV	TU35 TC7 TE6 TE14 TE24 [illegible]	AT	3 (D)		[illegible]			99	3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.) [illegible]
LGAV	TU35 TC7 TE6 TE14 TE24	AT	3 (D)		[illegible]			99	3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.) [illegible]
			3 (D)		[illegible]			99	3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C
S10AN L10BH		AT	1 (E)	V10			S20	88	3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.
SGAN L4BN		AT	2 (E)	V11				80	3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.
SGAV L4BN		AT	3 (E)		VV9			80	3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.
S10AN		AT	1 (E)	V10			S20	88	3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
SGAN		AT	2 (E)	V11				80	3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
SGAV		AT	3 (E)		VV9			80	3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
S10AN L10BH		AT	1 (E)	V10			S20	88	3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
SGAN L4BN		AT	2 (E)	V11				80	3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
SGAV L4BN		AT	3 (E)		VV9			80	3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
S10AN L10BH		AT	1 (E)	V10			S20	88	3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
SGAN L4BN		AT	2 (E)	V11				80	3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
SGAV L4BN		AT	3 (E)		VV9			80	3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
S10AN L10BH		AT	1 (E)	V10			S20	88	3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
SGAN L4BN		AT	2 (E)	V11				80	3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
SGAV L4BN		AT	3 (E)		VV9			80	3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1 (2.3)	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	I	8	274	0	E0	P001		MP15	T14	TP2 TP27
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	II	8	274	1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	I	8	274	0	E0	P001		MP15	T14	TP2 TP27
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	II	8	274	1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	I	8	274	0	E0	P001		MP15 MP17	T14	TP2 TP27
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	II	8	274	1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	I	8	274	0	E0	P001		MP15 MP17	T14	TP2 TP27
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	II	8	274	1 L	E2	P001 IBC02		MP15	T11	TP2 TP27
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3268	AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS	9	M5	III	9	280 289	5	E0	P002 LP02				
3269	POLYESTER RESIN KIT	3	F1	II	3	216 640	5 L	E0	P002 R001				
3269	POLYESTER RESIN KIT	3	F1	III	3	216 640	5 L	E0	P002 R001				
3270	NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	4.1	F1	II	4.1	287 288	1 kg	E2	P412		MP7		
3271	ETHERS, N.O.S.	3	F1	II	3	274	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP4 TP28
3271	ETHERS, N.O.S.	3	F1	III	3	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29
3272	ESTERS, N.O.S.	3	F1	II	3	274 601	1 L	E2	P001 IBC02 R001		MP19	T7	TP1 TP4 TP28
3272	ESTERS, N.O.S.	3	F1	III	3	274 601	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	3 (6.1)	274	0	E0	P001		MP2 MP7	T14	TP2 TP27
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3 (6.1)	274	1 L	E2	P001 IBC02		MP19	T11	TP2 TP27
3274	ALCOHOLATES SOLUTION, N.O.S. in alcohol	3	FC	II	3 (8)	274	1 L	E2	P001 IBC02		MP19		
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	I	6.1 (3)	274 315	0	E0	P001		MP2 MP17	T14	TP2 TP27

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Bulk	Loading, unloading and handling	Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L10BH		AT	1 (E)				S20	88	3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
L4BN		AT	2 (E)					80	3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
L4BN		AT	3 (E)	V12				80	3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
L10BH		AT	1 (E)				S20	88	3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
L4BN		AT	2 (E)					80	3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
L4BN		AT	3 (E)	V12				80	3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
L10BH		AT	1 (E)				S20	88	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
L4BN		AT	2 (E)					80	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
L4BN		AT	3 (E)	V12				80	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
L10BH		AT	1 (E)				S20	88	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
L4BN		AT	2 (E)					80	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
L4BN		AT	3 (E)	V12				80	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
			4 (E)						3268	AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS
			2 (E)				S2 S20		3269	POLYESTER RESIN KIT
			3 (E)				S2		3269	POLYESTER RESIN KIT
			2 (E)						3270	NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass
L1.5BN		FL	2 (D/E)				S2 S20	33	3271	ETHERS, N.O.S.
LGBF		FL	3 (D/E)	V12			S2	30	3271	ETHERS, N.O.S.
LGBF		FL	2 (D/E)				S2 S20	33	3272	ESTERS, N.O.S.
LGBF		FL	3 (D/E)	V12			S2	30	3272	ESTERS, N.O.S.
L10CH	TU14 TU15 TE19	FL	1 (C/E)			CV13 CV28	S2 S22	336	3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S22	336	3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.
L4BN		FL	2 (D/E)				S2 S20	338	3274	ALCOHOLATES SOLUTION, N.O.S., in alcohol
L10CH	TU14 TU15 TE19	FL	1 (C/E)			CV1 CV13 CV28	S2 S9 S14	663	3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.3	3.2	3.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 4.2.5.3	4.2.5.3
(1)	(2)	(2a)	(2b)	(3)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	TF	I	6.1, 3	274	100 ml	E4	P001 IBC02		MP19	T11	TP2 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1		6.1	274 315	0	E5	P001		MP9 MP17	T14	TP2 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	274	100 g	E4	P001 IBC02		MP19	T11	TP2 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	TC1	I	6.1, 8	274 367	100 ml	E4	P001 IBC02		MP19	T14	TP2 TP28
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	43 274 315	0	E5	P001		MP8 MP17	T14	TP2 TP27
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	43 274	100 ml	E4	P001 IBC02		MP15 MP17	T11	TP2 TP27
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	43 274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	TF	I	6.1, 3	43 274 315	0	E5	P001		MP8 MP17	T14	TP2 TP27
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	TF	II	6.1, 3	43 274	100 ml	E4	P001		MP15	T11	TP2 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T1	I	6.1	274 315	0	E5	P001		MP8 MP17	T14	TP2 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T1	II	6.1	274	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T1	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T1	I	6.1	274 315 552	0	E5	P001		MP8 MP17	T14	TP2 TP27
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T1	II	6.1	274 552	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T1	III	6.1	274 552	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T5	I	6.1	274 552	0	E5	P001		MP8 MP17	T14	TP2 TP27
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T5	II	6.1	274 552	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T5	III	6.1	274 552	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	I	6.1	274	0	E5	P002 IBC07		MP18	T6	TP33
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	II	6.1	274	200 g	E4	P002 IBC06	B4	MP10	T3	TP33
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	III	6.1	274	5 kg	E1	P002 IBC08 LP02 R201	B1	MP10	T1	TP33
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T5	I	6.1	274	0	E5	P002 IBC07		MP18	T6	TP33
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274	200 g	E4	P002 IBC08	B4	MP10	T3	TP33

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	NITRILES, TOXIC, FLAMMABLE, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	NITRILES, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	NITRILES, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	NITRILES, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOPHOSPHORUS COMPOUND, LIQUID, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOPHOSPHORUS COMPOUND, LIQUID, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ORGANOPHOSPHORUS COMPOUND, LIQUID, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOPHOSPHORUS COMPOUND, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOPHOSPHORUS COMPOUND, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOARSENIC COMPOUND, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOARSENIC COMPOUND, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ORGANOARSENIC COMPOUND, [illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	METAL CARBONYLS, LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	METAL CARBONYLS, LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	METAL CARBONYLS, LIQUID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SELENIUM COMPOUND, SOLID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SELENIUM COMPOUND, SOLID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SELENIUM COMPOUND, SOLID, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	TELLURIUM COMPOUND, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	TELLURIUM COMPOUND, N.O.S.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packagings			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	3.1.2.5	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1694	BROMOBENZYL CYANIDES, SOLID	6.1	T6	II	6.1	274	100 g	E4	P002 IBC08		MP19	T6	TP33
1695	CHLOROACETONE, STABILIZED	6.1	T6	I	6.1	274 354	0	E5	P602 IBC07		MP14	T6	TP13
1696	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	T5	II	6.1	274 354	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1697	CHLOROACETOPHENONE, LIQUID	6.1	T6	III	6.1	274 354	5 kg	E1	P003 IBC06 LP02 R001	B1	MP19	T4	TP33
1698	DIPHENYLAMINECHLOROARSINE	6.1	T6	I	6.1	274 354	0	E0	P001		MP9 MP17	T14	TP2 TP27
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	T6	I	6.1	274 354	0	E0	P001		MP9 MP17	T14	TP2 TP27
1700	TEAR GAS CANDLES	6.1	T4	II	6.1	274	100 g	E4	P002 LP02		MP19	T3	TP33
1701	XYLYL BROMIDE, LIQUID	6.1	T6	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28
1702	1,1,2,2-TETRACHLOROETHANE	6.1	T7	II	6.1	274	1 L	E2	P001 IBC02		MP19	T7	TP1
1703	TETRAFLUOROETHYLENE, STABILIZED	2.1	F2	I	2.1	274	0	E0	P200		MP9	T50	TP5
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	T6	II	6.1	274	500 g	E4	P002 IBC08		MP19	T7	TP33
1705	THALLIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274 354	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1707	THALLIUM SULPHATE	6.1	T5	II	6.1	274 354	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1708	TOLUIDINES, LIQUID	6.1	T7	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1	T5	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1710	TRICHLOROETHYLENE	6.1	T7	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1711	XYLIDINES, LIQUID	6.1	T7	II	6.1	274	1 L	E2	P001 IBC02		MP19	T7	TP1
1712	ZINC ARSENATE, ZINC ARSENITE OR ZINC ARSENATE AND ZINC ARSENITE MIXTURE	6.1	T5	II	6.1	274 354	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1713	ZINC CYANIDE	6.1	T5	I	6.1	274	0	E5	P002 IBC07		MP19	T6	TP33
1714	ZINC PHOSPHIDE	4.3	W2	II	4.3 6.1	274	0	E0	P410 IBC04		MP19	T7	TP33
1715	ACETIC ANHYDRIDE	8	CF1	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1716	ACETYL BROMIDE	8	CF1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1717	ACETYL CHLORIDE	3	FC	II	3 8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1718	BUTYL ACID PHOSPHATE	8	C3	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1720	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1721	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	I	8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1722	ALLYL CHLOROFORMATE	6.1	TF1	I	6.1 3 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1723	ALLYL IODIDE	3	FC	II	3 8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	CF1	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1725	ANHYDROUS AMMONIA	8	C1	I	8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1726	ALUMINIUM BROMIDE, ANHYDROUS	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1728	AMYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1729	ANISOYL CHLORIDE	8	C3	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1731	ANTIMONY PENTACHLORIDE, SOLUTION	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1732	ANTIMONY PENTAFLUORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1733	ANTIMONY TRICHLORIDE, LIQUID	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1734	ANTIMONY TRICHLORIDE, SOLID	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1735	ANTIMONY PENTACHLORIDE, LIQUID	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1736	BENZOYL CHLORIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1737	BENZYL BROMIDE	6.1	T6	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1738	BENZYL CHLORIDE	6.1	T6	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1739	BENZYL CHLOROFORMATE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1741	BORON TRICHLORIDE	2	2TC		2.3 8	274	0	E0	P200		MP9	T50	TP5
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1744	BROMINE	8	C10	I	8 6.1	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1745	BROMINE PENTAFLUORIDE	5.1	O2	I	5.1 6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1746	BROMINE TRIFLUORIDE	5.1	O2	I	5.1 6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1747	BUTYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1748	CALCIUM HYPOCHLORITE, DRY OR CALCIUM HYPOCHLORITE MIXTURE, DRY	5.1	O2	II	5.1	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1749	CHLORINE TRIFLUORIDE	2	2TOC		2.3 5.1 8	274	0	E0	P200		MP9	T50	TP5
1750	CHLOROACETIC ACID, SOLUTION	6.1	T6	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1751	CHLOROACETIC ACID, SOLID	6.1	T6	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1752	CHLOROACETYL CHLORIDE	6.1	T6	II	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1753	CHLOROPHENYLTRICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1754	CHLOROSULPHONIC ACID (WITH OR WITHOUT SULPHUR TRIOXIDE)	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1755	CHROMIC ACID SOLUTION	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1756	CHROMIC FLUORIDE, SOLID	8	C9	III	8	274	5 kg	E1	P002 IBC08	B4	MP19	T4	TP33
1757	CHROMIC FLUORIDE, SOLUTION	8	C9	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1758	CHROMIUM OXYCHLORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1759	CORROSIVE SOLID, N.O.S.	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1760	CORROSIVE LIQUID, N.O.S.	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1762	CYCLOHEXENYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1763	CYCLOHEXYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1764	DICHLOROACETIC ACID	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1765	DICHLOROACETYL CHLORIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1766	DICHLOROPHENYLTRICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1767	DIETHYLDICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1769	DIPHENYLDICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1770	DIPHENYLMETHYL BROMIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1771	DODECYLTRICHLOROSILANE	8	C9	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1772	FIBRE REAGENT SEGMENTS, CONTAINING SULPHURIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1773	FERRIC CHLORIDE, ANHYDROUS	8	C9	III	8	274	5 kg	E1	P002 IBC08	B4	MP19	T4	TP33
1774	FIRE EXTINGUISHER CHARGES, CORROSIVE LIQUID	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1775	FLUOROBORIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1777	FLUOROSULPHONIC ACID	8	C1	I	8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1778	FLUOROSILICIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1779	FORMIC ACID, WITH MORE THAN 85% ACID BY MASS	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1780	FUMARYL CHLORIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1781	HEXADECYLTRICHLOROSILANE	8	C9	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1782	HEXAFLUOROPHOSPHORIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	C7	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1784	HEXYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1785	HYDROFLUORIC ACID, SOLUTION, WITH MORE THAN 85% HYDROGEN FLUORIDE	8	C1	I	8 6.1	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1787	HYDRIODIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1788	HYDROBROMIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1789	HYDROCHLORIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1790	HYDROFLUORIC ACID, SOLUTION, WITH MORE THAN 60% BUT NOT MORE THAN 85% HYDROGEN FLUORIDE	8	C1	II	8 6.1	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1791	HYPOCHLORITE SOLUTION	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1792	IODINE MONOCHLORIDE, SOLID	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1793	ISOPROPYL ACID PHOSPHATE	8	C3	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1794	LEAD SULPHATE WITH MORE THAN 3% FREE ACID	8	C9	III	8	274	5 kg	E1	P002 IBC08	B4	MP19	T4	TP33
1795	NITRATING ACID MIXTURE, WITH MORE THAN 50% NITRIC ACID	8	C1	II	8 5.1	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1796	NITRATING ACID MIXTURE, WITH NOT MORE THAN 50% NITRIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1797	NITRATING ACID MIXTURE, SPENT, WITH NOT MORE THAN 50% NITRIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1798	NITROHYDROCHLORIC ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1799	NONYLTRICHLOROSILANE	8	C9	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1800	OCTADECYLTRICHLOROSILANE	8	C9	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1801	OCTYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1802	PERCHLORIC ACID, WITH NOT MORE THAN 50% ACID BY MASS	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1803	PHENOLSULPHONIC ACID, LIQUID	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1804	PHENYLTRICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1805	PHOSPHORIC ACID, SOLUTION	8	C1	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1806	PHOSPHORUS PENTACHLORIDE	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1807	PHOSPHORUS PENTOXIDE	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1808	PHOSPHORUS TRIBROMIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1809	PHOSPHORUS TRICHLORIDE	6.1	T14	I	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1810	PHOSPHORUS OXYCHLORIDE	6.1	T14	I	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1811	POTASSIUM HYDROGENDIFLUORIDE, SOLID	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1812	POTASSIUM FLUORIDE, SOLID	6.1	T5	III	6.1	274	5 kg	E1	P002 IBC08	B4	MP19	T4	TP33
1813	POTASSIUM HYDROXIDE, SOLID	8	C5	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1814	POTASSIUM HYDROXIDE, SOLUTION	8	C5	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1815	PROPIONYL CHLORIDE	3	FC	II	3 8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1816	PROPYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1817	PYROSULPHURYL CHLORIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1818	SILICON TETRACHLORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1819	SODIUM ALUMINATE, SOLUTION	8	C5	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1820	SODIUM ARSENITE, SOLUTION	6.1	T5	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1821	SODIUM ARSENITE, SOLID	6.1	T5	II	6.1	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1822	SODIUM BUTYLATE	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1823	SODIUM HYDROXIDE, SOLID	8	C5	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1824	SODIUM HYDROXIDE, SOLUTION	8	C5	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1825	SODIUM MONOXIDE	8	C9	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1826	NITRATING ACID MIXTURE, SPENT, WITH MORE THAN 50% NITRIC ACID	8	C1	II	8 5.1	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1827	STANNIC CHLORIDE, ANHYDROUS	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1828	SULPHUR CHLORIDES	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1829	SULPHUR TRIOXIDE, STABILIZED	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1830	SULPHURIC ACID, WITH MORE THAN 51% ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1831	SULPHURIC ACID, FUMING	8	C1	I	8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1832	SULPHURIC ACID, SPENT	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1833	SULPHUROUS ACID	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1834	SULPHURYL CHLORIDE	6.1	T14	I	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1835	TETRAMETHYLAMMONIUM HYDROXIDE	8	C7	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1836	THIONYL CHLORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1837	THIOPHOSPHORYL CHLORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1838	TITANIUM TETRACHLORIDE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1839	TRICHLOROACETIC ACID, SOLUTION	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1840	TRICHLOROACETIC ACID, SOLID	8	C3	II	8	274	1 kg	E2	P002 IBC08	B4	MP19	T7	TP33
1841	TRICHLOROACETYL CHLORIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1842	TRICHLOROPHENYLTRICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1843	TRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1844	TRIETHYLDICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1845	TRIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	C1	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1846	TRIMETHYLDICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1847	TRIMETHYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1848	TRIPHENYLDICHLOROSILANE	8	C9	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1849	TRIPHENYLMETHYL BROMIDE	8	C3	II	8	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1850	TRIPROPYLTRICHLOROSILANE	8	C9	II	8 3	274	1 L	E2	P001 IBC02		MP19	T7	TP2 TP28
1851	VANADIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274 354	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1852	VANADIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	274 354	5 kg	E1	P002 IBC06 LP02 R001	B1	MP19	T1	TP33
1853	VANADYL SULPHATE	6.1	T5	III	6.1	274 354	5 kg	E1	P002 IBC06 LP02 R001	B1	MP19	T1	TP33
1854	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	3 6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1855	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FTC	II	3 6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1856	TOXIC LIQUID, CORROSIVE, N.O.S.	6.1	T7	I	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1857	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T7	II	6.1	274	100 ml	E1	P001 IBC02		MP19	T7	TP2
1858	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T7	III	6.1	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP28
1859	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC7	I	6.1 8	274	0	E0	P001		MP9 MP17	T14	TP2 TP27
1860	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC7	II	6.1 8	274	100 ml	E1	P001 IBC02		MP19	T7	TP2 TP28
1861	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC4	I	6.1 8	274	0	E5	P002 IBC07		MP19	T6	TP33
1862	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC4	II	6.1 8	274	500 g	E4	P002 IBC08	B4	MP19	T7	TP33
1863	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE, N.O.S.	6.2	I3	II	A3	273	0	E0	P621 IBC620 LP621		MP6	T6	TP3
1931	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE, N.O.S. or Regulated Medical Waste	6.2	I3	II	A3	273	0	E0	P621 IBC620 LP621		MP6	T6	TP3
1744	WATER-REACTIVE, CONTAINING SODIUM or CELLS, CONTAINING SODIUM	4.3	W1	II	4.3	274 350	0	E0	P403				
1753	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	8	C9	II	8 6.1	274	1 L	E2	P001 IBC02 LP01 R001		MP19	T7	TP2
1854	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL, with not more than 45% hydrogen cyanide	6.1	TF1	I	6.1 3	274	0	E0	P001		MP9 MP17	T14	TP2

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 3.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3295	HYDROCARBONS, LIQUID, N.O.S.	2	F1	I	3		500 ml	E3	P001		MP3 MP14	T1	TP1 TP8 TP28
3296	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	2	F1	II	3	(400)	1 L	E2	P001		MP14	T2	TP1 TP8 TP28
3297	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	2	F1	II	3	(400)	1 L	E2	P001 IBC03 R001		MP15	T2	TP1 TP8 TP28
3298	HYDROCARBONS, LIQUID, N.O.S.	2	F1	III	3		5 L	E1	P001 IBC03 LP01 R001		MP15	T4	TP1 TP29
3299	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)	2	2A		2.2		120 ml	E1	P200		MP9	(M) T20	
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 5 % ethylene oxide	2	2A		2.2		120 ml	E1	P200		MP9	(M) T20	
3301	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE with not more than 1 % ethylene oxide	2	2A		2.2		120 ml	E1	P200		MP9	(M) T20	
3302	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5 % ethylene oxide	2	2A		2.2		120 ml	E1	P200		MP9	(M) T20	
3303	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87 % ethylene oxide	2	2TF		2.3 +2.1		0	E0	P200		MP9	(M)	
3304	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	C8	I	8 +4.2	274	0	E0	P001		MP8 MP17		
3305	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	C8	I	8 +4.2	274	0	E2	P001		MP15		
3306	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	T1	I	6.1		100 ml	E4	P001 IBC02		MP15	T1	TP2
3307	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2	1TO		2.3 +5.1	274	0	E0	P200		MP9	(M)	
3308	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2	1TC		2.3 +8	274	0	E0	P200		MP9	(M)	
3309	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	1TFC		2.3 +2.1 +8	274	0	E0	P200		MP9	(M)	
3310	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	1TOC		2.3 +5.1 +8	274	0	E0	P200		MP9	(M)	
3311	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2	2TO		2.3 +5.1	274	0	E0	P200		MP9	(M)	
3312	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2	2TC		2.3 +8	274	0	E0	P200		MP9	(M)	
3313	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	2TFC		2.3 +2.1 +8	274	0	E0	P200		MP9	(M)	
3314	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	2TOC		2.3 +5.1 +8	274	0	E0	P200		MP9	(M)	
3315	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2	2O		2.2 +5.1	274	0	E0	P200		MP9	T75	TP4 TP22
3316	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2	2F		2.1	274	0	E0	P200		MP9	T75	TP5

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BN		FL	1 (D/E)				S2 S20	33	3295	HYDROCARBONS, LIQUID, N.O.S.
L1.5BN		FL	2 (D/E)				S2 S20	33	3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	3 (D/E)	V12			S2	30	3295	HYDROCARBONS, LIQUID, N.O.S.
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3296	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide
PxBH(M)	TA4 TT9	FL	1 (B/D)			CV9 CV10 CV36	S2 S14	239	3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide
L10BH		AT	1 (E)				S14	884	3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.
L4BN		AT	2 (E)					84	3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.
L4BH	TU15 TE19	AT	2 (D/E)			CV1 CV13 CV28	S9 S19	60	3302	2-DIMETHYLAMINOETHYL ACRYLATE
CxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	265	3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.
CxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	268	3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.
CxBH(M)	TU6 TA4 TT9	FL	1 (B/D)			CV9 CV10 CV36	S2 S14	263	3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
CxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	265	3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.
PxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	265	3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.
PxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	268	3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.
PxBH(M)	TU6 TA4 TT9	FL	1 (B/D)			CV9 CV10 CV36	S2 S14	263	3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
PxBH(M)	TU6 TA4 TT9	AT	1 (C/D)			CV9 CV10 CV36	S14	265	3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.
RxBN	TU7 TU19 TA4 TT9	AT	3 (C/E)	V5		CV9 CV11 CV36	S20	225	3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.
RxBN	TU18 TA4 TT9	FL	2 (B/D)	V5		CV9 CV11 CV36	S2 S17	223	3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.1	2.2	2.1.1.3	5.1.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2313	ORGANIC PIGMENTS, SELF-HEATING	4.2	S3	II	4.2		0	E2	P002 IBC08	B4	MP14	T2	TP33
2313	ORGANIC PIGMENTS, SELF-HEATING	4.2	S3	III	4.2		0	E1	P002 IBC08 LP02 R001	B4	MP14	T1	TP33
2314	PLASTICS MOULDING COMPOUND, 5 or weight, their or extended mice form evening flammable vapour	9	M5	III	None	207 [illegible]	5 kg	E1	P003 IBC08 R001	PP14 [illegible]	MP10		
2315	CHEMICAL SAMPLE, TOXIC	6.1	D8	I	[illegible]	230	0	E5	P099		MP8 MP17		
2316	CHEMICAL KIT or FIRST AID KIT	9	M11	II	9	25 [illegible]	0	E0	P001				
2316	CHEMICAL KIT or FIRST AID KIT	9	M11	III	9	25 [illegible]	0	E0	P001				
2317	2-AMINO-4,6-DINITROPHENOL, WET, LESS with not less than 20% water, by mass	4.1	D	I	4.1		0	E0	P406	PP25	MP7		
2318	AMMONIA SOLUTION, or aqua, depary less than 0.5% at 15.7 or water with more than 50% ammonia	2	4TC		2.3 [illegible]	23	0	E0	P200		MP9	IMP [illegible]	
2319	NITROGLYCERIN MIXTURE, DESENSITIZED SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	4.1	D	II	4.1	272 274	0	E0	P099 IBC09		MP2		
2320	SODIUM HYDROXIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium hydroxide and not more than 40% sodium hydroxide by mass	8	C5	II	8		5 L	E2	P001 IBC02		MP15	T7	TP2
2320	SODIUM HYDROXIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium hydroxide and not more than 40% sodium hydroxide by mass	8	C5	III	8		5 L	E1	P001 IBC10 LP01 R001		MP19	T4	TP2
2321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			7X	172 317 325 336	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3		T5	TP4
2322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7			7X	172 317 325 336	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3		T5	TP4
2323	RADIOACTIVE MATERIAL, TYPE U PACKAGE, non fissile or fissile-excepted	7			7X	172 317 325	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3			
2324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7			7X +7E	172 326 336	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3			
2325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE	7			7X +7E	172 326 336	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3			
2326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7			7X +7E	172 326	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.3			

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.5	4.1.10	4.2.5.2 4.2.5.3	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE non-special form	7			7A +7E	172 336	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.1			
3328	RADIOACTIVE MATERIAL TYPE B(U) PACKAGE, FISSILE	7			7A +7E	172 326 337	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.1			
3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7			7A +7E	172 326 337	0	E0	See 2.2.7, and 4.1.9	See 4.1.9.1.1			
3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7			7A +7E	172 326	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.1			
3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7			7A +7E	172 326	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.1			
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM (non-fissile or fissile-excepted)	7			7A	172 317	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.2			
3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7			7A +7E	172	0	E0	See 2.2.7 and 4.1.9	See 4.1.9.1.2			
3334	Aviation regulated liquid, n.o.s.	9	M11	NOT SUBJECT TO ADR									
3335	Aviation regulated solid, n.o.s.	9	M11	NOT SUBJECT TO ADR									
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	F1	I	3	274	0	E0	P001		MP19 MP20	T11	TP2
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 20 °C not more than 105 kPa)	3	F1	II	3	274 640C	1 L	E2	P001		MP19	T7	TP1 TP5 TP28
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C or more than 110 kPa)	3	F1	II	3	274 640D	1 L	E2	P001 IBC01 R001		MP19	T7	TP1 TP8 TP28
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	F1	III	3	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29
3337	REFRIGERANT GAS R 404A (Pentafluoroethane, 1,1,1-trifluoroethane and 1,1,1,2-tetrafluoroethane azeotropic mixture with approximately 44% pentafluoroethane and 52% 1,1,1-trifluoroethane)	2	2A		2		120 ml	E1	P200		MP9	T50 TP6	
3338	REFRIGERANT GAS R 407A (Difluoromethane pentafluoroethane and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 20% difluoromethane and 40% pentafluoroethane)	2	2A		2		120 ml	E1	P200		MP9	T50 TP6	

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			0 (E)			CV33	S6 S11 S21	70	3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE non-special form
			0 (E)			CV33	S6 S11 S21	70	3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE
			0 (E)			CV33	S6 S11 S21	70	3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE
			0 (-)			CV33	S6 S11 S21	70	3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE
			0 (E)			CV33	S6 S11 S21	70	3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted
			0 (E)			CV33	S6 S11 S21	70	3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE
NOT SUBJECT TO ADR									3334	Aviation regulated liquid, n.o.s.
NOT SUBJECT TO ADR									3335	Aviation regulated solid, n.o.s.
L4BN		FL	1 (D/E)				S2 S20	33	3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.
L1.5BN		FL	2 (D/E)				S2 S20	33	3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C more than 110 kPa)
LGBF		FL	2 (D/E)				S2 S20	33	3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)
LGBF		FL	3 (D/E)	V12			S2	30	3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3337	REFRIGERANT GAS R 404A (Pentafluoroethane, 1,1,1-trifluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 44% pentafluoroethane and 52% 1,1,1-trifluoroethane)
PxBN(M)	TA4 TT9	AT	3 (C/E)			CV9 CV10 CV36		20	3338	REFRIGERANT GAS R 407A (Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 20% difluoromethane and 40% pentafluoroethane)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instruction	Portable tanks and: Special provisions
	3.1.1	3.2	3.2	3.1.2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T7.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3337	REFRIGERANT GAS R 407D (Diffuoromethane, pentafluoroethane and 1,1,1,2-tetrafluoroethane, zeotropic mixture with approximately 15% diffuoromethane and 25% pentafluoroethane)	2	2A		2.2		120 ml	E1	P200		MP9	T50 T50	
3340	REFRIGERANT GAS R 402D (Diffuoromethane, pentafluoroethane and 1,1,1,2-tetrafluoroethane, zeotropic mixture with approximately 25% diffuoromethane and 25% pentafluoroethane)	2	2A		2.2		120 ml	E1	P200		MP9	T50 T50	
3341	THIOUREA DIOXIDE	4.2	S2	I	4.2		0	E2	P002 IBC06		MP14	T3	TP33
3341	THIOUREA DIOXIDE	4.2	S2	III	4.2		0	E1	P002 IBC08 LP07 R001	B3	MP14	T1	TP32
3342	XANTHATES	4.2	S2	II	4.2		0	E2	P002 IBC06		MP14	T3	TP33
3342	XANTHATES	4.2	S2	III	4.2		0	E1	P002 IBC08 LP07 R001	B3	MP14	T1	TP33
3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 10% nitrogen, by mass	3	D		3	274 279	0	E0	P099		MP2		
3344	PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE, PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	4.1	D	II	4.1	272 274	0	E0	P099		MP2		
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T3	I	6.1	6 274 648	0	E5	P002 IBC02		MP18	T6	TP33
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T3	II	6.1	61 274 648	500 g	E4	P002 IBC04	B4	MP10	T3	TP33
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T3	III	6.1	61 274 648	5 kg	E1	P002 IBC04 LP02 R001	B3	MP10	T1	TP33
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3 +6.1	61 274	0	E0	P001		MP3 MP12	T14	TP2 TP27
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3 +6.1	61 274	0.1	E2	P001 IBC02 R001		MP13	T11	TP2 TP27
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	F3	I	6.1 +3	61 274	0	E5	P001		MP8 MP17	T14	TP2 TP27

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5 to 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	9.1.2.1		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
S2.S+S1	A1 T1	S1	1 (C, D)			V1 CV10 CV36		30	1203	FUEL, LIQUID, N.O.S. (contains petroleum distillates, gasoline)
S2.S+S11	TA4 T1	A1	1 (C, D)			V1 CV10 CV36		30	1203	FUEL, LIQUID, N.O.S. (contains petroleum distillates, gasoline)
S2.S		A1	2 (D, E)	S1				40	1041	CARBON DIOXIDE
S2.S3		S1	2 (D)	S1				40	1041	CARBON DIOXIDE
S2.S		A1	2 (D, E)	S1				10	1041	COMPRESSED GAS
T1		S1	2 (D)	S1				10	1041	COMPRESSED GAS
			0 (B)				S2 S4		3161	LIQUEFIED GAS FLAMMABLE, N.O.S. (CONTAINS PROPANE) LIQUEFIED FLAMMABLE GAS, N.O.S. (contains propane)
			1 (B)				S14		3161	LIQUEFIED GAS FLAMMABLE (CONTAINS PROPANE) LIQUEFIED FLAMMABLE GAS, N.O.S. (contains propane)
S1 A11 T4 S11	S1 S2 S3 S11 S12 S13	A1	1 (C, D)	S10		V1 CV10 CV36	S2 S14	60	1202	FUEL OIL, NO. 2 (DIESEL FUEL, HEATING OIL, LIGHT)
S2 A1 T4 S11	T1 S3 T11	A1	2 (D)	S10		CV10 CV36	S2 S14	40	1202	FUEL OIL, NO. 2 (DIESEL FUEL, HEATING OIL, LIGHT)
S2 A1 T4 S11	T1 S3 T11	A1	1 (D)		S10	CV10 CV36	S9	40	1202	FUEL OIL, NO. 2 (DIESEL FUEL, HEATING OIL, LIGHT)
T1 S11	T1 S3 T11	A1	2 (C, D)			CV10 CV36	S2 S22	33	3536	LITHIUM ION BATTERIES (INCLUDING LITHIUM ION POLYMER BATTERIES)
T4 S11	T1 S3	A1	2 (D)			CV10 CV36	S2 S22	33	3536	LITHIUM ION BATTERIES (INCLUDING LITHIUM ION POLYMER BATTERIES)
T1 S11	T1 S3 T11	A1	1 (C, D)			CV10 CV36	S2 S14	60	3536	LITHIUM ION BATTERIES (INCLUDING LITHIUM ION POLYMER BATTERIES)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exceptions		Packaging			Portable tanks and	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point less than 23 °C	6.1	TF2	I	6.1 +3	61 274	100 ml	E4	P001 IBC02		MP19	T7	TP2 TP27
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1 +3	61 274	1 l	E1	P001 IBC02 Bulk		MP19	T7	TP2 TP28
3349	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T5	I	6.1	61 274 645	0	E5	P001		MP9 MP19	T14	TP2 TP27
3350	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T5	II	6.1	61 274 645	100 ml	E4	P001 IBC02		MP19	T7	TP2 TP27
3351	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T5	III	6.1	61 274 645	1 kg	E1	P002 IBC08 LP02 R001		MP19	T1	TP33
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point less than 23 °C	6.1	TF2	I	6.1 +3	61 274	0	E0	P001		MP9 MP19	T14	TP2 TP27
3353	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1 +3	61 274	100 ml	E4	P001 IBC02		MP19	T7	TP2 TP27
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2	2F		2.1	274	0	E0	P200		MP9	0	
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2	2TF		2.3 +2	274	0	E0	P200		MP9	0	
3356	OXYGEN GENERATOR, CHEMICAL	5.1	O2	II	5.1	284	0	E0	P503		MP2		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.1	3.1.5, 6.8.2	9.1.1.2	1.1.3.6 (4.3.5)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH		1	2 (D/E)			CV1 CV28	S2 S15 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4DH		1	2 (D/E)	V1		CV1 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4DH		S1	1 (D)			CV1 CV13 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BN		S1	2 (D/E)			CV1 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BN		S1	2 (D)	V1		CV1 CV28	S2	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
SGAH L4BH		S1	1 (B)	V10		CV1 CV13 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
SGAN L4DH		S1	2 (D)	V1		CV1 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
SGAV L4DH		S1	2 (D)		V1	CV1 CV2	S2	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L4BH		S1	1 (B)			CV1 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4		S1	2 (D)			CV1 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BH		S1	1 (B)			CV1 CV13 CV28	S2 S19 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BN		S1	2 (D)			CV1 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BN		S1	2 (D)	V1		CV1 CV28	S2 S20	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BH		S1	1 (B)			CV1 CV13 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L4BH		S1	1 (B)	V1		CV1 CV28	S2	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.
L4BH		S1	1 (B)			CV1 CV13 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)
L4BH		S1	1 (B)			CV1 CV13 CV28	S2 S19	33	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (CONTAINS ... % BUTADIENES AND ... % BUTANES)

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.0.1.1	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3357	NITROGLYCERIN MIXTURE, DESENSITIZED LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	3	D	II	3	274 288	0	E0	P099		MP2		
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2	6F		2.1	292	0	E0	P003	P099	MP9		
3359	FUMIGANT CARGO TRANSPORT UNIT	9	M11			301							
3360	Fibres, vegetable dry	4.1	11	NOT SUBJECT TO ADR									
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	TFC	II	6.1 +8	274	0	E2	P001		MP19	T14	TP2 TP27
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	II	6.1 +3 +8	274	0	E0	P001		MP19	T14	TP2 TP27
3363	Dangerous goods in machinery or dangerous goods in apparatus	9	M11	NOT SUBJECT TO ADR (see also 1.1.3.1(b))									
3364	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3365	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3366	TRINITROTOLUENE (TNT), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3367	TRINITROBENZENE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3368	TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3369	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 10% water, by mass	4.1	DT	I	4.1 +6.1		0	E0	P406	P406	MP2		
3370	URANYL NITRATE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	E0	P406	P406	MP2		
3371	2-METHYLBUTANAL	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4	TP1
3373	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2	8		6.2	318	0	E0	P650			T1	TP5
3373	BIOLOGICAL SUBSTANCE, CATEGORY B (animal origin only)	6.2	8		6.2	318	0	E0	P650			T1 BR BK2	TP5
3374	ACETYLENE, SOLVENT FREE	2	2F		2.1		0	E0	P200		MP9		
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, solid	5.1	O1	II	5.1	309	0	E2	P099 IBC99		MP2	T1	TP1 TP9 TP17 TP32
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, solid	5.1	O2	II	5.1	309	0	E2	P099 IBC99		MP2	T1	TP1 TP9 TP17 TP32
3376	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1	D	I	4.1		1	E0	P406	P406	MP2		

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 table	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			2 (D)				S2 S11		UN	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1 % but not more than 5 % nitroglycerin
			(D)				S1		UN	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1 % nitroglycerin
			1						UN	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S.
NOT SUBJECT TO ADR									UN	Not subject to regulation
			2 (D)				S1 S2 S9		UN	[NAME OF THE SUBSTANCE] SOLUTION
			2 (D)				S1 S2 S9		UN	[NAME OF THE SUBSTANCE] SOLUTION
									UN	[Appropriate shipping name]
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION
			(D)				S1 S11		UN	[NAME OF THE SUBSTANCE] SOLUTION with more than [x] % [NAME OF THE SUBSTANCE]
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION with not more than [x] % [NAME OF THE SUBSTANCE]
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION
			2 (D)				S1 S2		UN	[NAME OF THE SUBSTANCE] SOLUTION
			2 (D)				S1 S2		UN	[NAME OF THE SUBSTANCE] SOLUTION
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION
			2 (D)				S1 S2		UN	[NAME OF THE SUBSTANCE] SOLUTION
			2 (D)				S1 S2		UN	[NAME OF THE SUBSTANCE] SOLUTION
			(D)				S1		UN	[NAME OF THE SUBSTANCE] SOLUTION

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packaging authorized	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T 4.2.5.3	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3377	SODIUM PERBORATE MONOHYDRATE	5.1	O1	III	5.1		5 kg	E1	P002 IBC08 R001 B52	B2	MP10	T1 BK1 BK2	TP33
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	B4	MP10	T3 BK1 BK2	TP33
3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3	D	I	3	274 31	0	E0	P099		MP2		
3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1	D	I	4.1	274 311	0	E0	P099		MP2		
3381	TOXIC BY INHALATION LIQUID, N.O.S. with a LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	T1 or T4	I	6.1	274	0	E0	P001		MP9 MP17	T22	TP2
3382	TOXIC BY INHALATION LIQUID, N.O.S. with an LC_{50} lower than or equal to 1000 ml/m³ and saturated vapour concentration greater than or equal to 10 LC_{50}	6.1	T1 or T4	I	6.1	274	0	E0	P001		MP9 MP17	T20	TP2
3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TF1	I	6.1 +3	274	0	E0	P001		MP9 MP17	T22	TP2
3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC_{50} lower than or equal to 1000 ml/m³ and saturated vapour concentration greater than or equal to 10 LC_{50}	6.1	TF1	I	6.1 +3	274	0	E0	P001		MP9 MP17	T20	TP2
3385	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TW1	I	6.1 +4.3	274	0	E0	P001		MP9 MP17	T22	TP2
3386	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC_{50} lower than or equal to 1000 ml/m³ and saturated vapour concentration greater than or equal to 10 LC_{50}	6.1	TW1	I	6.1 +4.3	274	0	E0	P001		MP9 MP17	T20	TP2

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
1.5	3.1, 6.8.4	4.1.1.7	1.1.3.6, 8.6.1	7.2.4	7.3.5	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]				[illegible]		[illegible]	[illegible]
			[illegible]				[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and: Instructions	Portable tanks and: Special provisions
	3.1.2	2.1	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3387	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TO1	I	6.1 +5.1	274	0	E0	P601		MP8 MP17	T22	TP2
3388	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC_{50} lower than or equal to 1000 ml/m³ and saturated vapour concentration greater than or equal to 10 LC_{50}	6.1	TO1	I	6.1 +5.1	274	0	E0	P602		MP8 MP17	T20	TP2
3389	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TC1 or TC3	I	6.1 +8	274	0	E0	P601		MP8 MP17	T21	TP2
3390	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC_{50} lower than or equal to 1000 ml/m³ and saturated vapour concentration greater than or equal to 10 LC_{50}	6.1	TC1 or TC3	I	6.1 +8	274	0	E0	P602		MP8 MP17	T20	TP2
3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2	SS	I	4.2	274	0	E0	P404	PP56	MP2	T21	TP2 TP33 TP36
3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2	SS	I	4.2	274	0	E0	P403	PP56	MP2	T21	TP2 TP3 TP36
3393	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	4.2	SW	I	4.2 +4.3	274	0	E0	P404	PP56	MP2	T21	TP2 MP33 TP36
3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	4.2	SW	I	4.2 +4.3	274	0	E0	P405	PP56	MP2	T21	TP2 TP3 TP36
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	I	4.3	274	0	E0	P402		MP2	T9	TP2 TP33 TP36
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	II	4.3	274	500 g	E2	P410 PB04		MP14	T5	TP33 TP36
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	III	4.3	274	1 kg	E1	P410 PB06		MP14	T1	TP33 TP36
3398	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	I	4.3 +4.1	274	0	E0	P405		MP2	T9	TP2 TP33 TP36
3399	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	II	4.3 +4.1	274	500 g	E2	P410 PB04		MP14	T5	TP33 TP36
3400	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	III	4.3 +4.1	274	1 kg	E1	P410 PB06		MP14	T1	TP33 TP36
3401	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	WS	I	4.3 +4.2	274	0	E0	P403		MP2	T9	TP2 TP33 TP36

ADR rank		Vehicle for tank carriage	Transport category (tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.1	3.2 § 6.8.4	9.1.1.1	1.1.3.6 (3.4)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3.1		5.4.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging: Packing instructions	Packaging: Special packing provisions	Packaging: Mixed packing provisions	Portable tanks and bulk containers: Instructions	Portable tanks and bulk containers: Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 6.1.2	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1987	ORGANOMETALLIC SUBSTANCE SOLID, WATER-REACTIVE SELF-HEATING	4.3	W3	II	4.3 +4.2	274	0.01 g	E2	P410 IBC01		MP14	T3	TP17 TP36
3393	ORGANOMETALLIC SUBSTANCE SOLID, WATER-REACTIVE, SELF-HEATING	4.3	W3	III	4.3 +4.2	274	1 kg	E1	P410 IBC06		MP14	T1	TP33 TP36
3392	ORGANOMETALLIC SUBSTANCE LIQUID, WATER REACTIVE	4.3	W1	I	4.3	274	0	E0	P402		MP2	T13	TP2 TP7 TP36
1989	ORGANOMETALLIC SUBSTANCE LIQUID, WATER-REACTIVE	4.3	W1	II	4.3	274	100 ml	E2	P401 IBC01		MP15	T7	TP2 TP7 TP36
3394	ORGANOMETALLIC SUBSTANCE LIQUID, WATER-REACTIVE	4.3	W1	II	4.3	274	1 l	E2	P401 IBC02		MP15	T7	TP2 TP7 TP36
1990	ORGANOMETALLIC SUBSTANCE LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	I	4.3 +3	274	0	E0	P402		MP2	T13	TP2 TP7 TP36
1989	ORGANOMETALLIC SUBSTANCE LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	II	4.3 +3	274	100 ml	E2	P401 IBC01		MP15	T7	TP2 TP7 TP36
3395	ORGANOMETALLIC SUBSTANCE LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	II	4.3 +3	274	1 l	E2	P401 IBC02 R007		MP15	T7	TP2 TP7 TP36
3396	ORGANOMETALLIC SUBSTANCE SOLID, SELF-HEATING	4.2	S5	II	4.2	274	500 g	E2	P410 IBC06		MP14	T3	TP33 TP36
3400	ORGANOMETALLIC SUBSTANCE SOLID, SELF-HEATING	4.2	S5	III	4.2	274	1 kg	E1	P410 IBC06		MP14	T1	TP33 TP36
3401	ALKALI METAL AMALGAM, SOLID	4.3	W2	I	4.3	183	0	E0	P403		MP2	T9	TP7 TP35
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3	W2	I	4.3	183 500	0	E0	P403		MP2	T9	TP7 TP35
3403	POTASSIUM METAL ALLOYS, SOLID	4.3	W2	I	4.3		0	E0	P403		MP2	T9	TP7 TP33
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3	W2	I	4.3		0	E0	P403		MP2	T9	TP7 TP33
3405	BARIUM CHLORATE SOLUTION	5.1	OT1	II	5.1 +6.1		1 l	E2	P504 IBC01		MP2	T4	TP1
3406	BARIUM CHLORATE SOLUTION	5.1	OT1	III	5.1 +6.1		5 L	E1	P001 IBC02		MP2	T4	TP1
3406	BARIUM PERCHLORATE SOLUTION	5.1	OT1	II	5.1 +6.1		1 L	E2	P504 IBC02		MP2	T4	TP1
3406	BARIUM PERCHLORATE SOLUTION	5.1	OT1	III	5.1 +6.1		5 l	E1	P001 IBC02		MP2	T4	TP1
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	O1	II	5.1		1 L	E2	P504 IBC02		MP2	T4	TP1
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	O1	III	5.1		5 L	E1	P504 IBC02		MP2	T4	TP1
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	II	5.1 +6.1		1 L	E2	P504 IBC02		MP2	T4	TP1
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	III	5.1 +6.1		5 L	E1	P504 IBC02		MP2	T4	TP1
3409	CHLORONITROBENZENES, LIQUID	6.1	T1	II	6.1	279	100 ml	E4	P001 IBC02		MP15	T7	TP2
3410	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE SOLUTION	6.1	T1	III	6.1		5 L	E1	P001 IBC02 A691		MP19	T4	TP1
3411	beta-NAPHTHYLAMINE SOLUTION	6.1	T1	II	6.1		100 ml	E4	P001 IBC02		MP15	T7	TP2
3411	beta-NAPHTHYLAMINE SOLUTION	6.1	T1	III	6.1		5 L	E1	P001 IBC02		MP19	T7	TP2

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
3.2	3.3, 3.5, 3.6 a	9.1.1 c	1.1.3.6 (8.6)	7.1.2	7.2.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
SGAN T4001		AT	2 (-)	V1		CV21		423	3257	ELEVATED TEMPERATURE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
SGAN T4001		AT	1 (-)	V1		CV21		423	3257	ELEVATED TEMPERATURE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	AT	0 (-)	V1		CV21	S21	423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	AT	0 (-)	V1		CV21		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	T	0 (-)	V1		CV21	S21 S20	423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	T	0 (-)	V1		CV21	S2	423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	T	0 (-)	V1		CV21	S2	423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
SGAN T4001		AT	2 (-)	V1				423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
SGAN T4001		AT	1 (-)	V1				423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
[illegible]	[illegible] [illegible]	AT	1 (-)	V1		CV21	S20	423	3402	ALKALINE [illegible]
[illegible]	[illegible] [illegible]	AT	1 (-)	V1		CV21	S20	423	3402	ALKALINE [illegible]
[illegible]	[illegible] [illegible]	AT	1 (-)	V1		CV21	S20	423	3402	ALKALINE [illegible]
[illegible]	[illegible] [illegible]	AT	1 (-)	V1		CV21	S20	423	3402	ALKALINE [illegible]
L4BN	[illegible]	AT	2 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S.
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S.
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S.
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S.
L4BN	[illegible]	AT	2 (-)			CV13		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	2 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)
L4BN	[illegible]	AT	1 (-)			CV13 CV24		423	3148	WATER-REACTIVE LIQUID, N.O.S. (SUBSTANCE, SOLID) WATER-REACTIVE, N.O.S. (LAVENDER)

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	3.1	3.2.1	5.2.2	3.3	3.4.1	3.4.2	4.1.4.1	4.1.4.4	4.1.10	4.2.5.2 T.4.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3412	FORMIC ACID with more than 10% but not more than 85% acid by mass	8	C3	II			1 L	E2	P001 IBC02		MP15	T7	TP2
3412	FORMIC ACID with more than 5% but not more than 10% acid by mass	8	C1	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	I	6.1		0	E5	P001		MP8 MP17	T14	TP2
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	II	6.1		500 ml	E4	P001 IBC02		MP15	T7	TP2 TP27
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28
3414	SODIUM CYANIDE SOLUTION	6.1	T4	I	6.1		0	E5	P001		MP8 MP17	T14	TP2
3414	SODIUM CYANIDE SOLUTION	6.1	T4	II	6.1		500 ml	E4	P001 IBC02		MP15	T7	TP2 TP27
3414	SODIUM CYANIDE SOLUTION	6.1	T4	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3415	SODIUM FLUORIDE SOLUTION	6.1	T4	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3416	CHLOROACETONITRILE, LIQUID	6.1	T1	I	6.1		0	E5	P001 IBC01		MP12	T7	TP2
3417	XYLYL BROMIDE, SOLID	6.1	T2	II	6.1		1 kg	E4	P002 IBC08	B4	MP10	T3	TP33
3418	2,4-TOLUYLENEDIAMINE, SOLUTION	6.1	T1	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3419	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8	C9	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8	C4	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION	8	C11	II	8 +6.1		1 L	E2	P001 IBC02		MP15	T7	TP2
3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION	8	C11	III	8 +6.1		5 L	E1	P001 IBC03 R001		MP19	T4	TP1
3422	POTASSIUM FLUORIDE SOLUTION	6.1	Z4	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8	C6	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33
3424	AMMONIUM DINITRO-o-CRESOLATE SOLUTION	6.1	T7	II	6.1		0.02	E4	P001 IBC02		MP15	T7	TP2
3424	AMMONIUM DINITRO-o-CRESOLATE SOLUTION	6.1	T7	III	6.1		5 L	E1	P001 IBC03		MP19	T7	TP2
3425	BROMOACETIC ACID, SOLID	8	C4	II	8		1 kg	E2	P002 IBC08	B4	MP15	T1	TP33
3426	ACRYLAMIDE SOLUTION	6.1	T1	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1
3427	CHLOROBENZYL CHLORIDES, SOLID	6.1	T2	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP19	T1	TP33
3428	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	6	T2	II	6.1		100 g	E4	P002 IBC08	B4	MP10	T1	TP33

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BN		AT	3 (E)					80	3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass
L4BN		AT	3 (E)	V12				80	3412	FORMIC ACID with not less than 5% but less than 10% acid by mass
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	3413	POTASSIUM CYANIDE SOLUTION
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3413	POTASSIUM CYANIDE SOLUTION
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3413	POTASSIUM CYANIDE SOLUTION
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	3414	SODIUM CYANIDE SOLUTION
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3414	SODIUM CYANIDE SOLUTION
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3414	SODIUM CYANIDE SOLUTION
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3415	SODIUM FLUORIDE SOLUTION
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3416	CHLOROACETOPHENONE, LIQUID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3417	XYLYL BROMIDE, SOLID
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3418	2,4-TOLUYLENEDIAMINE SOLUTION
SGAV L4BN		AT	2 (E)	V11				80	3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID
SGAV L4BN		AT	2 (E)	V11				80	3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID
L4DH	TU14 TE21	AT	2 (E)			CV13 CV28		86	3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION
L4DH	TU14 TE21	AT	3 (E)	V12		CV13 CV28		86	3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3422	POTASSIUM FLUORIDE SOLUTION
SGAV L4BN		AT	2 (E)	V11				80	3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3424	AMMONIUM DINITRO-o-CRESOLATE SOLUTION
L4BH	TU15 TE19	AT	2 (E)			CV13 CV28	S9	60	3424	AMMONIUM DINITRO-o-CRESOLATE SOLUTION
SGAV L4BN		AT	2 (E)	V11				80	3425	BROMOACETIC ACID, SOLID
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3426	ACRYLAMIDE SOLUTION
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	3427	CHLOROBENZYL CHLORIDES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3428	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	3.1.2.6, 3.1.2.7	5.2.2	3.3.1	3.4	3.5.1.2	4.1.4.1	4.1.4.2	4.1.10	4.2.5.2, 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1952	[illegible]	2.1	1F	III	2.1		1 L	1 E	P003 IBC03 LP01 R001		MP19	T4	TP1
1953	[illegible]	2.3	1TF	II	2.3		Forbidden	0 E	P003 IBC02		MP19	T7	TP9
1954	[illegible]	2.1	1F	II	2.1		1 kg	1 E	P003 IBC02		MP19	T4	TP1
1955	[illegible]	2	3TC	I	2.3	TE5	Forbidden	0 E	P003 IBC03 LP02 R001		MP9	T14	TP10 TP13
1956	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1957	[illegible]	2	1O	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1958	[illegible]	2	1TF	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1959	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1960	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1961	[illegible]	2.1	1F	I	2.1		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1962	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1963	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1964	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1965	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1966	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1967	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1968	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1969	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1970	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1971	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1972	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1973	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1974	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1975	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1976	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1977	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1978	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1979	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1980	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1981	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1982	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1983	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1984	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1985	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1986	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1987	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1988	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1989	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1990	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1991	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1992	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1993	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1994	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1995	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1996	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1997	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1998	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
1999	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2000	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2001	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2002	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2003	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2004	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2005	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2006	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2007	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2008	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2009	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2010	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2011	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2012	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2013	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2014	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2015	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2016	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2017	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2018	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2019	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2020	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2021	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2022	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2023	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2024	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2025	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2026	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2027	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2028	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2029	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2030	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2031	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2032	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2033	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2034	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2035	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2036	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2037	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2038	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2039	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2040	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2041	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2042	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2043	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2044	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2045	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2046	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2047	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2048	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2049	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2050	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2051	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2052	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2053	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2054	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2055	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2056	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2057	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2058	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2059	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2060	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2061	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2062	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2063	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2064	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2065	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2066	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2067	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2068	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2069	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2070	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2071	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2072	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2073	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2074	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2075	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2076	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2077	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2078	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2079	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2080	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2081	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2082	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2083	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2084	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2085	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2086	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2087	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2088	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2089	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2090	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2091	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2092	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2093	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2094	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2095	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2096	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2097	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2098	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2099	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1
2100	[illegible]	2	1A	I	2.2		500 g	0 E	P003 IBC03 LP02 R001		MP19	T4	TP1

ADR tank: Tank code	ADR tank: Special provisions	Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage: Packages	Special provisions for carriage: Bulk	Special provisions for carriage: Loading, unloading and handling	Special provisions for carriage: Operation	Hazard identification No.	UN No.	Name and description
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3429	CHLOROTOLUIDINES, LIQUID
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3430	XYLENOLS, LIQUID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3431	NITROBENZOTRIFLUORIDES, SOLID
SGAH L4BH	TU15	AT	0 (D/E)	V11	VC1 VC2 AP9	CV1 CV13 CV28	S19	90	3432	POLYCHLORINATED BIPHENYLS, SOLID
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3434	NITROCRESOLS, LIQUID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3436	HEXAFLUOROACETONE HYDRATE, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3437	CHLOROCRESOLS, SOLID
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	3438	alpha-METHYLBENZYL ALCOHOL, SOLID
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	3439	NITRILES, SOLID, TOXIC, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3439	NITRILES, SOLID, TOXIC, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (E)		VV9	CV13 CV28	S9	60	3439	NITRILES, SOLID, TOXIC, N.O.S.
L10CH	TU14 TU15 TE19 TE21	AT	1 (C/E)			CV1 CV13 CV28	S9 S14	66	3440	SELENIUM COMPOUND, LIQUID, N.O.S.
L4BH	TU15 TE19	AT	2 (D/E)			CV13 CV28	S9 S19	60	3440	SELENIUM COMPOUND, LIQUID, N.O.S.
L4BH	TU15 TE19	AT	2 (E)	V12		CV13 CV28	S9	60	3440	SELENIUM COMPOUND, LIQUID, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3441	CHLORODINITROBENZENES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3442	DICHLOROANILINES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3443	DINITROBENZENES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3444	NICOTINE HYDROCHLORIDE, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3445	NICOTINE SULPHATE, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3446	NITROTOLUENES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3447	NITROXYLENES, SOLID
S10AH L10CH	TU15 TE19	AT	1 (D/E)			CV1 CV13 CV28	S9 S14	66	3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	3449	BROMOBENZYL CYANIDES, SOLID
S10AH L10CH	TU15 TE19	AT	1 (C/E)	V10		CV1 CV13 CV28	S9 S14	66	3450	DIPHENYLCHLOROARSINE, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3451	TOLUIDINES, SOLID
SGAH L4BH	TU15 TE19	AT	2 (D/E)	V11		CV13 CV28	S9 S19	60	3452	XYLIDINES, SOLID
SGAV L4BN		AT	3 (E)		VV9			80	3453	PHOSPHORIC ACID, SOLID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	0.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 T.2.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
2672	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10 % but not more than 35 % ammonia	2.2	2	1	6.1		2 000 g	1 L	P002 IBC08	R4	MP19	T7	TP1
2673	2-AMINO-4-CHLOROPHENOL	6.1	6.1	III	6.1		5 000 g	1 L	P002 IBC08	B4	MP19	T7	TP1
2674	SODIUM FLUOROSILICATE	6.1	6.1	II	6.1		1 000 g	1 kg	P002 IBC08	B2	MP19	T7	TP1
2675	RUBIDIUM HYDROXIDE SOLUTION	8	C7	II	8		1 000 g	1 L	P001 IBC02	B2	MP19	T7	TP1
2676	STIBINE	2.3	2.3		2.3		0	0	Forbidden				
2677	RUBIDIUM HYDROXIDE	8	C7	II	8		1 000 g	1 kg	P002 IBC08	B2	MP19	T7	TP1
2678	9-GERMABICYCLO[4.2.1]NONANE	6.1	6.1	III	6.1		5 000 g	1 L	P002 IBC08 LP02 R001	B4	MP19	T7	TP1
2679	LITHIUM HYDRIDE	4.3	4.3	II	4.3	274	500 g	1 kg	P410		MP20	T9	TP7 TP33
2680	LITHIUM HYDROXIDE MONOHYDRATE	8	C11	III	8	274	5 000 g	5 kg	P002 IBC08	B4	MP19	T7	TP1
2681	CAESIUM OXIDE	8	C10	II	8	274	1 000 g	1 kg	P002 IBC06	B3	MP19	T7	TP1
2682	2-AMINOPROPANE-1,2-DIOL	6.1	6.1	III	6.1		5 000 g	1 L	P002 IBC08	B4	MP19	T7	TP1
2683	AMMONIUM HYDROGENSULPHIDE SOLUTION	8	C9	II	8	274	1 000 g	1 L	P001 IBC02	B2	MP19	T7	TP1
2684	3-DIETHYLAMINOPROPYLAMINE	3	3	II	3	274	500 g	1 L	P001 IBC02	B2	MP19	T7	TP1
2685	N,N-DIETHYLETHYLENEDIAMINE	8	C7	II	8	274	1 000 g	1 L	P001 IBC02	B2	MP19	T7	TP1
2686	2-DIETHYLAMINOETHANOL	8	C7	III	8	274	5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2687	DICYCLOHEXYLAMMONIUM NITRITE	4.1	4.1	III	4.1	274	500 g	1 kg	P002 IBC08	B4	MP19	T7	TP1
2688	1-BROMO-3-CHLOROPROPANE	6.1	6.1	III	6.1		5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2689	GLYCEROL MONOOLEATE	9	9	III	9		5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2690	SODIUM DITHIONITE	4.2	4.2	II	4.2	274	500 g	1 kg	P410		MP20	T9	TP7 TP33
2691	PHOSPHORUS PENTABROMIDE	8	C10	II	8	274	1 000 g	1 kg	P002 IBC06	B3	MP19	T7	TP1
2692	BORON TRIBROMIDE	8	C10	I	8	274	0	0	Forbidden				
2693	BISULPHITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	8	C9	III	8	274	5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2694	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	5.1	II	5.1	274	1 000 g	1 L	P504		MP20	T9	TP7 TP33
2695	BROMINE PENTAFLUORIDE	5.1	5.1	I	5.1	274	0	0	Forbidden				
2696	BROMINE TRIFLUORIDE	5.1	5.1	I	5.1	274	0	0	Forbidden				
2697	BUTYLAMINOBUTANOL	8	C7	III	8	274	5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05 % of maleic anhydride	8	C9	III	8	274	5 000 g	5 L	P002 IBC08	B4	MP19	T7	TP1
2699	TRIFLUOROACETIC ACID	8	C3	I	8	274	0	0	Forbidden				
2700	NITROBENZENESULPHONIC ACID	8	C4	II	8	274	1 000 g	1 kg	P002 IBC06	B3	MP19	T7	TP1
2701	1-BUTYLIMIDAZOLE	8	C7	III	8	274	5 000 g	5 L	P001 IBC03	B4	MP19	T7	TP1
2702	1-ETHYLPIPERIDINE	3	3	II	3	274	500 g	1 L	P001 IBC02	B2	MP19	T7	TP1
2703	1-BOROMOPROPANE	3	3	II	3	274	500 g	1 L	P001 IBC02	B2	MP19	T7	TP1

Additions		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.1	7.5.11	8.5	5.3.2.3		3.1.2
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	
SGAV 14	TU15 TE21 TM2	AT	2 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SOLUTION OF SODIUM HYDROXIDE
SGAV 14	TU15 TE21 TM2	AT	2 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14		AT	2 (-)	VC1				80	1824	SODIUM HYDROXIDE SOLUTION
SGAH 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION
SGAF 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	1 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	(-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	2 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	1 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	1 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	2 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	1 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	1 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAV 14	TU15 TE21 TM2	AT	2 (-)	VC1		CV1 CV13 CV28	W5 SW19	80	1824	SODIUM HYDROXIDE SOLUTION
SGAN 14	TU15 TE21 TM2	AT	2 (-)		VC2	CV1 CV13 CV28	W5	80	1824	SODIUM HYDROXIDE SOLUTION

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	5.1.2	2.2	2.2	2.1.1.1	5.2.2	3.3	3.4	3.5.1.1	4.1.4	4.1.4	4.1.10	4.2.5.2 2.5.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	3	FC		3	3.1 2.3	0	E0	P205		MP9		
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	I	3 +8	163	0	E0	P001		MP19	T7	TP2 TP27
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	II	3 +8	163	1 L	E2	P001 IBC02		MP19	T7	TP2 TP8 TP28
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	III	3 +8	163	5 L	E1	P001 IBC03 R001		MP19	T4	TP1 TP29
3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning and reducing compound)	8	CF1	II	8 +3	163	1 L	E2	P001 IBC02		MP15	T7	TP2 TP8 TP28
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CF1	II	8 +6.1		1 L	E2	P001 IBC02		MP15	T7	TP2
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CF1	III	8 +6.1		5 L	E1	P001 IBC03 R001		MP19	T4	TP1
3472	CROTONIC ACID, LIQUID	8	CJ	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
			[illegible]			[illegible]	S2 S20		[illegible]	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT
[illegible]	[illegible]	[illegible]	[illegible]				S2 S20	[illegible]	[illegible]	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)
[illegible]		[illegible]	[illegible]				S2 S20	[illegible]	[illegible]	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)
[illegible]		[illegible]	[illegible]	[illegible]			S2	[illegible]	[illegible]	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)
[illegible]		[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning and reducing compound)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	HYDROGENDIFLUORIDES SOLUTION, N.O.S.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	HYDROGENDIFLUORIDES SOLUTION, N.O.S.
[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 6.1.4	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)
3478	[illegible]	1	1.1		1	0.9	1	1.0	P114				
3479	[illegible]	2.1	1.2	1	2.1		1	1.0	P200	P206	M211		
3480	[illegible]	1	1.1	1	1	0.1 0.3	1.1	1.0	P407 P408		M211	T1	TP
3481	[illegible]	4.3	4.3		4.3	0.5 0.4	0 0 0.4 0.01	1.0	P411				
3482	[illegible]	6.1	6.1		6	52 0.1	1.1 0.1	1.0	P001				
3483	[illegible]	9	11		2	0.5 0.6	2 0.1	1.0	P003				
3484	[illegible]	3	3.2	1	3	0.5 0.6 0.8 0.9 0.11	0	1.0	P001 P002 P003				
3485	[illegible]	9	9.1	II	9	0.5 0.6 0.8 0.9 0.11	1	1.0	P003 P004 P005				

ADR road		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.1	4.1.4.1 to 4.1.4.4	9.1.1.2	1.1.3.6 (Rules)	4.2.4	4.3.5	7.5.11	8.5	5.3.2.3		A E J
(B2)	(B2)	(T4)	(TU1)	(TE1)	(TE7)	(TE8)	(W9)	(S1)	(S2)	(S4)
			3 (D)				S2		3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT (FUEL CELL CARTRIDGES CONTAINING flammable liquids)
			(D)				S1		3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT (FUEL CELL CARTRIDGES CONTAINING flammable liquids)
T (+10)		T1	2 (D/E)				S1, S20	S1	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. [CONTROLLED VALVES])
			3 (D)	S1		S1, S2			3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT (FUEL CELL CARTRIDGES CONTAINING flammable liquids)
			3 (D/E)			S1, S2			3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT (FUEL CELL CARTRIDGES CONTAINING flammable liquids)
			3 (D/E)			S1, S2	S2		3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT (FUEL CELL CARTRIDGES CONTAINING flammable liquids)
			3 (D)						3528	ENGINE, INTERNAL COMBUSTION or MACHINERY, INTERNAL COMBUSTION, flammable liquid powered
			3 (D)						3528	ENGINE, INTERNAL COMBUSTION or MACHINERY, INTERNAL COMBUSTION, flammable liquid powered

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and quantities		Packaging			Portable tanks and bulk containers	
									Packaging instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	2.2	3.2	2.1.1.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3
(1)	(2)	(2a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
1382	ALKALINE EARTH DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	WH1	I	4.2 + 4.3	182 183 366	0	E0	P402	5.0.5	MP2		
1401	METHYL FORMATE + KNOCK MIXTURE FLAMMABLE	3	TF1	I	3 + 6.1		0	E5	P001		MP9 MP17	T11	TP2
2484	TERT-BUTYLAMINE AQUEOUS SOLUTION, FLAMMABLE with more than 70% by mass	8	CF1	I	8 + 3 + 6.1	520	1	E0	P001		MP9 MP17	T11	TP2
2495	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% (active chlorine (4.8% available oxygen)	5.1	OC2	II	5.1 + 8	314	1 kg	E2	P002 IBC08	B1 B13	MP2		
2880	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	OC2	III	5.1 + 8	314	5 kg	E1	P002 IBC06 LP02 R001	B3 B13 L3	MP2		
2880	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	OC2	III	5.1 + 8	314 314	1 kg	E2	P002 IBC08	B4 B13	MP2		
2880	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	OC2	III	5.1 + 8	314	1 kg	E2	P002 IBC08	B4 B13	MP2		
3083	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TFC	I	6.1 + 3 + 8	274	0	E0	P001		MP9 MP17	T22	TP2
3389	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TFC	I	6.1 + 3 + 8	274	0	E0	P001		MP9 MP17	T20	TP2
3486	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC_{50} lower than or equal to 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC_{50}	6.1	TW	I	6.1 + 4.3 + 8	274	0	E0	P001		MP9 MP17	T22	TP2

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No	UN No	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 4.3.1	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities		Packaging			Portable tanks and bulk containers	
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions
	3.1.2	3.2	3.1.2	3.1.2.3	5.2.2	3.3	3.4	3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 and 7.3.2	4.2.5.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)
3311	TOXIC BY INHALATION LIQUID, WATER REACTIVE, FLAMMABLE, N.O.S., with an LC50 value equal to or less than 200 ml/m³ and saturated vapour concentration greater than or equal to 500 LC50	6.1	DWF	I	6.1 + 4.3 + 3	274	0	E0	P602		MP19 MP21	T20	TP2
3342	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	I	3 + 6.1	115	0	E0	P001		MP19 MP21	T14	TP2
3343	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	II	3 + 6.1	115	1 L	E2	P001 IBC02		MP19	T7	TP2
3344	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	III	3 + 6.1	115	5 L	E1	P001 IBC03 R001		MP19	T4	TP1
3345	PHENOXY	6.1	TF1	II	6.1	279	1 kg	E2	P002 IBC08 R001	PP2	MP19	T7	TP2
3346	Pesticides, organochlorine, solid, toxic	6.1	TF1	NOT SUBJECT TO ADR									
3347	MIXED MEAL	4.2	SC	II	4.2	926	0	E2	P410 IBC06		MP19	T3	TP33
3348	MIXED MEAL	4.2	SC	III	4.2	926	0	E1	P002 IBC08 LP02 R001	PP2	MP19	T1	TP33
3349	PICRIC ACID, WETTED with not less than 10% water, by mass	4.1	FS	II	4.1		1 kg	E2	P412 IBC06		MP19	T3	TP33
3350	PYROPHORIC METAL, N.O.S.	4.2	SW	II	4.2	274	0	E0	P002 IBC07		MP9	T3	TP7
3351	ELECTRIC STORAGE BATTERY CONTAINING SODIUM	4.3	WF2	II	4.3	295	0	E0	P003 IBC07		MP9	T3	TP33
3352	ELECTRIC STORAGE BATTERY CONTAINING SODIUM	4.3	WF2	III	4.3	295	0	E0	P003 IBC08 LP02 R001	PP2	MP19	T1	TP33
3353	PERFLUOROISOBUTYLENE, LIQUID	6.1	TF1	I	6.1		0	E0	P601 IBC02		MP19	T7	TP2
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2	5F		2.1	274	0	E0	P207		MP9	T50	TP3 TP19
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2	5TF		2.3 + 2.1	274	0	E0	P200		MP9	T50	TP3 TP19
3356	OXYGEN GENERATOR, CHEMICAL	5.1	OXC		5.1	274	0	E0	P505		MP9	T50	TP3 TP19
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with more than 30% but not more than 40% nitroglycerin by mass	3	DF		3	274	0	E0	P402	PP48	MP19	T4	TP1
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2	6F		2.1	292	0	E0	P206		MP9	T50	TP3
3359	FUMIGATED UNIT	9	M11		9	301	0	E0	P904		MP9	T50	TP3
3360	FIBRES, VEGETABLE, DRY	4.1	FS	III	4.1	926	5 kg	E1	P410 IBC08		MP19	T1	TP33
3361	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	I	6.1 + 8 + 3	274	0	E0	P602		MP19	T20	TP2
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	II	6.1 + 8 + 3	274	0	E0	P602		MP19	T14	TP2
3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9	M11	III	9	301	5 L	E1	P001 IBC03 LP02 R001	PP2	MP19	T4	TP1

ADR tank		Vehicle for tank carriage	Transport category (Tunnel restriction code)	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6 (8.6)	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3		3.1.2
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L15CH	TU14 TU15 TU38 TE21 TE22	FL	1 (C/D)			CV1 CV13 CV28	S2 S9 S14	623	3490	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC50 lower than or equal to 200 ml/m3 and saturated vapour concentration greater than or equal to 500 LC50
L10CH	TU14 TU15 TE21	FL	1 (C/E)			CV13 CV28	S2 S22	336	3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC
L4BH	TU15	FL	2 (D/E)			CV13 CV28	S2 S19	336	3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC
L4BH	TU15	FL	3 (D/E)	V12		CV13 CV28	S2	36	3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC
SGAV L4BN		AT	3 (E)		VC1	CV13 CV28		86	3495	IODINE
NOT SUBJECT TO ADR									3496	Batteries, nickel-metal hydride
SGAV		AT	2 (D/E)	V1				40	3497	KRILL MEAL
SGAV		AT	3 (E)	V1	VC1			40	3497	KRILL MEAL
L4BN		AT	2 (E)					80	3498	IODINE MONOCHLORIDE, LIQUID
			4 (E)						3499	CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3 Wh)
		AT	3 (E)			CV9 CV10 CV12 CV36		20	3500	CHEMICAL UNDER PRESSURE, N.O.S.
		FL	2 (B/D)			CV9 CV10 CV12 CV36	S2	23	3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
		AT	1 (C/D)			CV9 CV10 CV12 CV28 CV36		26	3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.
		AT	1 (C/D)			CV9 CV10 CV12 CV36		28	3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.
		FL	1 (B/D)			CV9 CV10 CV12 CV28 CV36	S2	263	3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.
		FL	1 (B/D)			CV9 CV10 CV12 CV36	S2	238	3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.
			3 (E)			CV13 CV28			3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES