

MARITIME SAFETY COMMITTEE 93rd session Agenda item 22 MSC 93/22/Add.2 10 June 2014 Original: ENGLISH

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## REPORT OF THE MARITIME SAFETY COMMITTEE ON ITS NINETY-THIRD SESSION

Attached is annex 8 (resolution MSC.372(93) on *Amendments to the International Maritime Dangerous Goods (IMDG) Code*) to the report of the Maritime Safety Committee on its ninety-third session (MSC 93/22).



## ANNEX 8

### RESOLUTION MSC.372(93) (adopted on 22 May 2014)

## AMENDMENTS TO THE INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

NOTING resolution MSC.122(75) by which it adopted the International Maritime Dangerous Goods Code (hereinafter referred to as "the IMDG Code"), which has become mandatory under chapter VII of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended (hereinafter referred to as "the Convention"),

NOTING ALSO article VIII(b) and regulation VII/1.1 of the Convention concerning amendment procedure for amending the IMDG Code,

HAVING CONSIDERED, at its ninety-third session, amendments to the IMDG Code, proposed and circulated in accordance with article VIII(b)(i) of the Convention,

1 ADOPTS, in accordance with article VIII(b)(iv) of the Convention, amendments to the IMDG Code, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the said amendments shall be deemed to have been accepted on 1 July 2015, unless prior to that date, more than one third of the Contracting Governments to the Convention or Contracting Governments the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;

3 INVITES Contracting Governments to the Convention to note that, in accordance with article VIII(b)(vii)(2) of the Convention, the amendments shall enter into force on 1 January 2016 upon their acceptance in accordance with paragraph 2 above;

4 AGREES that Contracting Governments to the Convention may apply the aforementioned amendments in whole or in part on a voluntary basis as from 1 January 2015;

5 REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Contracting Governments to the Convention;

6 ALSO REQUESTS the Secretary-General to transmit copies of this resolution and its annex to Members of the Organization, which are not Contracting Governments to the Convention.

## ANNEX

## AMENDMENTS TO THE INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE

## Table of Contents

Insert a new section as "7.1.5 Stowage Codes".

Insert a new section as "7.1.6 Handling Codes".

Insert a new section as "7.2.8 Segregation Codes".

#### PART 1 GENERAL PROVISIONS, DEFINITIONS AND TRAINING

#### **Chapter 1.1– General provisions**

#### 1.1.1 Application and implementation of the Code

1.1.1.9 Insert a new paragraph 1.1.1.9 to read as follows:

## "1.1.1.9 *Lamps containing dangerous goods*

The following lamps are not subject to this Code provided that they do not contain radioactive material and do not contain mercury in quantities above those specified in special provision 366 of chapter 3.3:

- .1 Lamps that are collected directly from individuals and households when transported to a collection or recycling facility;
- .2 Lamps each containing not more than 1 g of dangerous goods and packaged so that there is not more than 30 g of dangerous goods per package, provided that:
  - (i) the lamps are manufactured according to a certified quality management system;

Note: The application of ISO 9001:2008 may be considered acceptable for this purpose.

and

(ii) each lamp is either individually packed in inner packagings, separated by dividers, or surrounded with cushioning material to protect the lamps and packed into strong outer packagings meeting the general provisions of 4.1.1.1 and capable of passing a 1.2 m drop test.

.3 Used, damaged or defective lamps each containing not more than 1 g of dangerous goods with not more than 30 g of dangerous goods per package when transported from a collection or recycling facility. The lamps shall be packed in strong outer packagings sufficient for preventing release of the contents under normal conditions of transport meeting the general provisions of 4.1.1.1 and that are capable of passing a drop test of not less than 1.2 m.

Note: lamps containing gases of class 2.2. are addressed in 2.2.2.6.4 and lamps containing radioactive material are addressed in 2.7.2.2.2.2.

.4 Lamps containing only gases of class 2.2 (according to 2.2.2.2) provided they are packaged so that the projectile effects of any rupture of the bulb will be contained within the package."

## 1.1.2 Conventions

## 1.1.2.3 International Convention for Safe Containers, 1972, as amended

1.1.2.3 Insert a new 1.1.2.3 with the following:

## "1.1.2.3 International Convention for Safe Containers, 1972, as amended

1.1.2.3.1 Regulations 1 and 2 of Annex I to the International Convention for Safe Containers (CSC), 1972, as amended, deal with safety approval plates and maintenance and examination of containers, and are reproduced in full.

## Annex I Regulations for the testing, inspection, approval and maintenance of containers

#### Chapter I

Regulations common to all systems of approval

#### **Regulation 1**

Safety Approval Plate

- 1 (a) A Safety Approval Plate conforming to the specifications set out in the appendix to this annex shall be permanently affixed to every approved container at a readily visible place, adjacent to any other approval plate issued for official purposes, where it would not be easily damaged.
  - (b) On each container, all maximum operating gross mass markings shall be consistent with the maximum operating gross mass information on the Safety Approval Plate.
  - (c) The owner of the container shall remove the Safety Approval Plate on the container if:

- (i) the container has been modified in a manner which would void the original approval and the information found on the Safety Approval Plate, or
- (ii) the container is removed from service and is not being maintained in accordance with the Convention, or
- (iii) the approval has been withdrawn by the Administration.
- (a) The plate shall contain the following information in at least the English or French language:

## **CSC SAFETY APPROVAL**

Country of approval and approval reference

Date (month and year) of manufacture

Manufacturer's identification number of the container or, in the case of existing containers for which that number is unknown, the number allotted by the Administration

Maximum operating gross mass (kg and lb)

Allowable stacking load for 1.8g (kg and lb)

Transverse racking test force (newtons).

- (b) A blank space should be reserved on the plate for insertion of end-wall and/or side-wall strength values (factors) in accordance with paragraph 3 of this regulation and annex II, tests 6 and 7. A blank space should also be reserved on the plate for the first and subsequent maintenance examination dates (month and year) when used.
- Where the Administration considers that a new container satisfies the requirements of the present Convention in respect of safety and if, for such container, the end-wall and/or side-wall strength values (factors) are designed to be greater or less than those stipulated in annex II, such values shall be indicated on the Safety Approval Plate. Where the stacking or racking values are less than 192,000 kg or 150 kN, respectively, the container shall be considered as having limited stacking or racking capacity and shall be conspicuously marked, as required under the relevant standards\*, at or before their next scheduled examination or before any other date approved by the Administration, provided this is not later than 1 July 2015.

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- 4 The presence of the Safety Approval Plate does not remove the necessity of displaying such labels or other information as may be required by other regulations which may be in force.
- 5 A container, the construction of which was completed prior to 1 July 2014, may retain the Safety Approval Plate as permitted by the Convention prior to that date as long as no structural modifications occur to that container.

#### **Regulation 2**

Maintenance and examination

- 1 The owner of the container shall be responsible for maintaining it in safe condition.
- 2 (a) The owner of an approved container shall examine the container or have it examined in accordance with the procedure either prescribed or approved by the Contracting Party concerned, at intervals appropriate to operating conditions.
  - (b) The date (month and year) before which a new container shall undergo its first examination shall be marked on the Safety Approval Plate.
  - (c) The date (month and year) before which the container shall be re-examined shall be clearly marked on the container on or as close as practicable to the Safety Approval Plate and in a manner acceptable to that Contracting Party which prescribed or approved the particular examination procedure involved.
  - (d) The interval from the date of manufacture to the date of the first examination shall not exceed five years. Subsequent examination of new containers and re-examination of existing containers shall be at intervals of not more than 30 months. All examinations shall determine whether the container has any defects which could place any person in danger.
  - (a) As an alternative to paragraph 2, the Contracting Party concerned may approve a continuous examination programme if satisfied, on evidence submitted by the owner, that such a programme provides a standard of safety not inferior to the one set out in paragraph 2 above.
    - (b) To indicate that the container is operated under an approved continuous examination programme, a mark showing the letters ACEP and the identification of the Contracting Party which has granted approval of the programme shall be displayed on the container on or as close as practicable to the Safety Approval Plate.
    - (c) All examinations performed under such a programme shall determine whether a container has any defects

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which could place any person in danger. They shall be performed in connection with a major repair, refurbishment, or on-hire/off-hire interchange and in no case less than once every 30 months.

- 4 As a minimum approved programmes should be reviewed once every 10 years to ensure their continued viability. In order to ensure uniformity by all involved in the inspection of containers and their ongoing operational safety, the Contracting Party concerned shall ensure the following elements are covered in each prescribed periodic or approved continuous examination programme:
  - (a) methods, scope and criteria to be used during examinations;
  - (b) frequency of examinations;
  - (c) qualifications of personnel to carry out examinations;
  - (d) system of keeping records and documents that will capture:
    - (i) the owner's unique serial number of the container;
    - (ii) the date on which the examination was carried out;
    - (iii) identification of the competent person who carried out the examination;
    - (iv) the name and location of the organization where the examination was carried out;
    - (v) the results of the examination; and
    - (vi) in the case of a periodic examination scheme (PES), the next examination date (NED);
  - (e) a system for recording and updating the identification numbers of all containers covered by the appropriate examination scheme;
  - (f) methods and systems for maintenance criteria that addresses the design characteristics of the specific containers;
  - (g) provisions for maintaining leased containers if different than those used for owned containers; and
  - (h) conditions and procedures for adding containers into an already approved programme.

- 5 The Contracting Party shall carry out periodic audits of approved programmes to ensure compliance with the provisions approved by the Contracting Party. The Contracting Party shall withdraw any approval when the conditions of approval are no longer complied with.
- 6 For the purpose of this regulation, the Contracting Party concerned is the Contracting Party of the territory in which the owner is domiciled or has his head office. However, in the event that the owner is domiciled or has his head office in a country the government of which has not yet made arrangements for prescribing or approving an examination scheme and until such time as the arrangements have been made, the owner may use the procedure prescribed or approved by the Administration of a Contracting Party which is prepared to act as the Contracting Party concerned. The owner shall comply with the conditions for the use of such procedures set by the Administration in question.
- 7 Administrations shall make information on approved continuous examination programmes publicly available."

## Chapter 1.2 – Definitions, units of measurement and abbreviations

## 1.2.1 Definitions

In all the definitions, whenever the term "for the transport of Class 7 material" is used, replace it with "for the transport of radioactive material".

Amend the following definitions as indicated:

Design: in the first sentence, insert "fissile material excepted under 2.7.3.5.6 after "the description of".

*Exclusive use:* replace "and unloading is carried" with "and unloading and shipment are carried" and insert ", where so required by the provisions of this Code;" after "consignee".

Freight container: replace the last two sentences with the following:

"In addition: Small freight container means a freight container that has an internal volume of not more than 3 m<sup>3</sup>. Large freight container means a freight container that has an internal volume of more than 3 m<sup>3</sup>.".

GHS: in the reference for GHS, replace Rev.4 with "Rev.5"

Manual of Test and Criteria, add at the end "and Amend.2".

Multiple-element gas container: replace "and bundles" with "or bundles".

*Radiation level*: amend the end of the definition to read: "millisieverts per hour or microsieverts per hour;".

Add the following new definitions in alphabetical order:

"Large salvage packaging means a special packaging which:

- .1 is designed for mechanical handling; and
- .2 exceeds 400 kg net mass or 450 litres capacity but has a volume of not more than 3 m<sup>3</sup>;

into which damaged, defective or leaking dangerous goods packages, or dangerous goods that have spilled or leaked are placed for purposes of transport for recovery or disposal;"

"*Management system*, for the transport of radioactive material, means a set of interrelated or interacting elements (system) for establishing policies and objectives and enabling the objectives to be achieved in an efficient and effective manner;"

"*Neutron radiation detector* is a device that detects neutron radiation. In such a device, a gas may be contained in a hermetically sealed electron tube transducer that converts neutron radiation into a measureable electric signal;"

"*Radiation detection system* is an apparatus that contains radiation detectors as components;".

## Chapter 1.5 – General provisions concerning class 7

Replace the title with "GENERAL PROVISIONS CONCERNING RADIOACTIVE MATERIAL".

#### 1.5.1 Scope and application

1.5.1.1 Amend the second and third sentences to read:

"These provisions are based on the IAEA "Regulations for the Safe Transport of Radioactive material, 2012 Edition, IAEA Safety Standards Series No. SSR-6, IAEA, Vienna (2012)". Explanatory material can be found in "Advisory material for the IAEA Regulations for the Safe Transport of Radioactive Material, IAEA Safety Standards Series No. TS-G-1.1 (Rev.2), IAEA, Vienna (2012)"."

1.5.1.2 In the second sentence of the last paragraph replace "imposing requirements" with "imposing conditions".

1.5.1.4 Amend the first sentence to read: "The provisions of this code do not apply to any of the following:" and insert a new subparagraph .4 to read as follows:

".4 Radioactive material in or on a person who is to be transported for medical treatment because the person has been subject to accidental or deliberate intake of radioactive material or to contamination;".

and renumber current subparagraphs .4 to .6 accordingly:

and replace new subparagraph .6 (former .5) with the following:

".6 Natural material and ores containing naturally occurring radionuclides (which may have been processed), provided the activity concentration of the material does not exceed 10 times the values specified in table 2.7.2.2.1, or calculated in accordance with 2.7.2.2.2.1 and 2.7.2.2.3 to 2.7.2.2.6. For natural materials and ores containing naturally occurring radionuclides that are not in secular equilibrium the calculation of the activity concentration shall be performed in accordance with 2.7.2.2.4;".

## **1.5.1.5** Specific provisions for the transport of excepted packages

1.5.1.5.1 Amend to read as follows:

"1.5.1.5.1 Excepted packages which may contain radioactive material in limited quantities, instruments, manufactured articles or empty packagings as specified in 2.7.2.4.1 shall be subject only to the following provisions of parts 5 to 7:

- .1 The applicable provisions specified in 5.1.1.2, 5.1.2, 5.1.3.2, 5.1.5.2.2, 5.1.5.4, 5.2.1.7, 7.1.4.5.9, 7.1.4.5.10, 7.1.4.5.12, 7.8.4.1 to 7.8.4.6 and 7.8.9.1; and
- .2 The requirements for excepted packages specified in 6.4.4,

except when the radioactive material possesses other hazardous properties and has to be classified in a class other than Class 7 in accordance with special provision 290 or 369 of Chapter 3.3, where the provisions listed in .1 and .2 above apply only as relevant and in addition to those relating to the main class or division."

1.5.1.5.2 Insert a new second sentence to read as follows:

"If the excepted package contains fissile material, one of the fissile exceptions provided by 2.7.2.3.5 shall apply and the requirements of 5.1.5.5 shall be met."

#### **1.5.2** Radiation protection programme

1.5.2.4 Amend the end of the introductory sentence to read "that the effective dose either:" and insert "or" at the end of subparagraph .1.

#### 1.5.3 Quality assurance

- 1.5.3 Amend to read as follows:
  - "1.5.3 Management system
  - 1.5.3.1 A management system based on international, national or other standards acceptable to the competent authority shall be established and implemented for all activities within the scope of this Code, as identified in 1.5.1.3, to ensure compliance with the relevant provisions of this Code. Certification that the design specification has been fully implemented shall be available to the competent authority. The manufacturer, consignor or user shall be prepared:
    - .1 to provide facilities for inspection during manufacture and use; and
    - .2 to demonstrate compliance with this Code to the competent authority.

Where competent authority approval is required, such approval shall take into account and be contingent upon the adequacy of the management system."

#### 1.5.4 Special arrangement

1.5.4.2 Replace "Class 7" with "radioactive material", twice.

#### 1.5.6 Non-compliance

1.5.6.1 In the introductory sentence, delete "a" before "non-compliance". In .1 amend the introductory sentence to read:

"The consignor, consignee, carrier and any organization involved during transport who may be affected, as appropriate, shall be informed of the non-compliance:"

and in .2(iv), delete "and" at the end of the sentence.

#### PART 2 CLASSIFICATION

#### Chapter 2.0 – Introduction

#### 2.0.1 Classes, divisions, packing groups

#### 2.0.1.2 Marine pollutants

2.0.1.2.1 Amend paragraph 2.0.1.2.1 to read as follows:

"Many of the substances assigned to classes 1 to 6.2, 8 and 9 are deemed as being *marine pollutants* (see chapter 2.10)."

2.0.1.3 Add the following new paragraph at the end:

"Articles are not assigned to packing groups. For packing purposes any requirement for a specific packaging performance level is set out in the applicable packing instruction.".

# 2.0.3 Classification of substances, mixtures and solutions with multiple hazards (precedence of hazard characteristics)

2.0.3.5 Amend the last sentence to read as follows:

"For radioactive material in excepted packages, except for UN 3507, URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, special provision 290 of Chapter 3.3 applies."

#### Chapter 2.1 – Class 1 – Explosives

#### 2.1.0 Introductory notes (these notes are not mandatory)

Amend Note 2 in 2.1.3.5.5 to read as follows:

"**Note 2**: "Flash composition" in this table refers to pyrotechnic substances in powder form or as pyrotechnic units as presented in the firework that are used to produce an aural effect or used as a bursting charge, or propellant charge unless the time taken for the pressure rise is demonstrated to be more than 6 ms for 0.5 g of pyrotechnic substance in the HSL Flash Composition Test in appendix 7 of the Manual of Tests and Criteria."

## Chapter 2. 2 – Class 2 – Gases

#### 2.2.1 Definitions and general provisions

- 2.2.1.2 Add a new indent .5 to read as follows:
  - ".5 Adsorbed gas a gas which when packaged for transport is adsorbed onto a solid porous material resulting in an internal receptacle pressure of less than 101.3 kPa at 20°C and less than 300 kPa at 50°C."

## 2.2.2 Class subdivisions

2.2.2.6 Delete subparagraph ".4" and add the following note at the end:

"Note: This exemption does not apply to lamps. For lamps see 1.1.1.9".

## Chapter 2.3 – Class 3 – Flammable liquids

## 2.3.2 Assignment of packing group

- 2.3.2.2 and 2.3.2.3 Replace existing paragraphs with the following:
  - "2.3.2.2 Viscous flammable liquids such as paints, enamels, lacquers, varnishes, adhesives and polishes having a flash point of less than 23°C may be placed in packing group III in conformity with the procedures prescribed in the Manual of Tests and Criteria, Part III, sub-section 32.3, provided that:
    - .1 The viscosity expressed as the flowtime in seconds and flash point are in accordance with the following table:

Flow-time <b>t</b> in seconds	Jet diameter (mm)	Flash point, closed-cup (°C)
$20 < t \le 60$	4	above 17
$60 < t \leq 100$	4	above 10
$20 < t \leq 32$	6	above 5
$32 < t \leq 44$	6	above -1
$44 < t \leq 100$	6	above -5
100 < t	6	no limit

- .2 Less than 3% of the clear solvent layer separates in the solvent separation test;
- .3 The mixture or any separated solvent does not meet the criteria for Class 6.1 or Class 8;
- .4 The substances are packed in receptacles of not more than 30-litre capacity.

#### 2.3.2.3 Reserved."

2.3.2.5 At the beginning, replace "Viscous substances" with "Viscous liquids". Amend the fourth indent to read as follows:

"- are packed in receptacles of not more than 30-litre capacity".

Chapter 2.4 – Class 4 – Flammable solids; substances liable to spontaneous combustion; substances which, in contact with water, emit flammable gases

2.4.4 Class 4.3 – Substances which, in contact with water, emit flammable gases

## 2.4.4.1 Definitions and properties

2.4.4.1.2 Replace "light bulbs" with "lamps"

### Chapter 2.5 – Class 5 – Oxidizing substances and organic peroxides

## 2.5.1 Definitions and general provisions

## 2.5.2 Class 5.1 – Oxidizing substances

- 2.5.2.2 Oxidizing solids
- 2.5.2.2.1 Classification of solid substances of class 5.1
- 2.5.2.2.1.1 Amend to read as follows:
  - "2.5.2.2.1.1 Tests are performed to measure the potential for the solid substance to increase the burning rate or burning intensity of a combustible substance when the two are thoroughly mixed. The procedure is given in the Manual of Tests and Criteria, part III, sub-section 34.4.1 (test O.1) or alternatively, in sub-section 34.4.3 (test O.3). Tests are conducted on the substance to be evaluated mixed with dry fibrous cellulose in mixing ratios of 1:1 and 4:1, by mass, of sample to cellulose. The burning characteristics of the mixtures are compared:
    - .1 in the test O.1, with the standard 3:7 mixture, by mass, of potassium bromate to cellulose. If the burning time is equal to or less than this standard mixture, the burning times shall be compared with those from the packing group I or II reference standards, 3:2 and 2:3 ratios, by mass, of potassium bromate to cellulose respectively; or
    - .2 in the test O.3, with the standard 1:2 mixture, by mass, of calcium peroxide to cellulose. If the burning rate is equal to or greater than this standard mixture, the burning rates shall be compared with those from the packing group I or II reference standards 3:1 and 1:1 ratios, by mass, of calcium peroxide to cellulose, respectively."
- 2.5.2.2.1.2 Amend to read as follows:

"2.5.2.2.1.2 The classification test results are assessed on the basis of:

.1 the comparison of the mean burning time (for the test O.1) or burning rate (for the test O.3) with those of the reference mixtures; and

- .2 whether the mixture of substance and cellulose ignites and burns."
- 2.5.2.2.1.3 Amend to read as follows:
  - "2.5.2.2.1.3 A solid substance is classified in Class 5.1 if the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits:
    - .1 in the test O.1, 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 ; or
    - .2 in the test O.3, a mean burning rate equal to or greater than the mean burning rate of a 1:2 mixture (by mass) of calcium peroxide and cellulose."
- 2.5.2.2.2 Assignment of packing groups
- 2.5.2.2.2 Amend to read as follows:
  - "2.5.2.2.2 Assignment of packing groups

Solid oxidizing substances are assigned to a packing group according to one of the test procedures in the Manual of Tests and Criteria, Part III, sub-section 34.4.1 (test O.1) or sub-section 34.4.3 (test O.3), in accordance with the following criteria:

- .1 Test 0.1:
  - 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;
  - (ii) 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;
  - (iii) 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;
  - (iv) Not Class 5.1: any substance which, in both the 4:1 and 1:1 sample-to-cellulose ratio (by mass) tested, does not ignite and burn, or exhibits mean burning times greater than that of a 3:7 mixture (by mass) of potassium bromate and cellulose.

- .2 Test 0.3:
  - Packing group I: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning rate greater than the mean burning rate of a 3:1 mixture (by mass) of calcium peroxide and cellulose;
  - Packing group II: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning rate equal to or greater than the mean burning rate of a 1:1 mixture (by mass) of calcium peroxide and cellulose, and the criteria for packing group I are not met;
  - (iii) Packing group III: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning rate equal to or greater than the mean burning rate of a 1:2 mixture (by mass) of calcium peroxide and cellulose, and the criteria for packing groups I and II are not met;
  - (iv) Not Class 5.1: any substance which, in both the 4:1 and 1:1 sample-to-cellulose ratio (by mass) tested, does not ignite and burn, or exhibits a mean burning rate less than the mean burning rate of a 1:2 mixture (by mass) of calcium peroxide and cellulose."
- 2.5.2.3.1.1 At the end of the second sentence after "3.4.4.2" insert "(test O.2)".

## Chapter 2.6 – Class 6 – Toxic and infectious substances

## 2.6.3 Class 6.2 – Infectious substances

## 2.6.3.2.3 Exemptions

2.6.3.2.3.5 Amend to read as follows:

"2.6.3.2.3.5 Dried blood spots, collected by applying a drop of blood onto absorbent material, are not subject to the provisions of this Code."

and insert two new paragraphs 2.6.3.2.3.6 and 2.6.3.2.3.7 to read as follows and renumber existing paragraphs accordingly:

- "2.6.3.2.3.6 Faecal occult blood screening samples are not subject to the provisions of this Code.
- 2.6.3.2.3.7 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 as well as samples drawn in connection with such purposes are not subject to the provisions of this Code."

## Chapter 2.7 – Class 7 – Radioactive material

#### 2.7.1.3 Definitions of specific terms

2.7.1.3 Amend the definitions hereafter as follows:

*Fissile nuclides*: Amend the end of the introductory text before subparagraph .1 to read: "of fissile material are the following:".

In subparagraph .1, delete "and".

Insert the following new subparagraphs and text:

- ".3 material with fissile nuclides less than a total of 0.25 g;
- .4 any combination of .1, .2 and/or .3.

These exclusions are only valid if there is no other material with fissile nuclides in the package or in the consignment if shipped unpackaged."

Surface contaminated object: at the end, replace "surfaces" with "surface".

#### 2.7.2 Classification

#### 2.7.2.1 General provisions

2.7.2.1.1 Amend to read as follows:

"Radioactive material shall be assigned to one of the UN numbers specified in table 2.7.2.1.1, in accordance with 2.7.2.4.2 to 2.7.2.5, taking into account the material characteristics determined in 2.7.2.3."

#### Table 2.7.2.1.1 – Assignment of UN Numbers

2.7.2.1.1 Amend the table as follows:

Table 2.7.2.1.1Add a new heading row to read:""UN Nos.Proper shipping name and description

For UN Nos. 2912, 3321, 3322, 2913, 2915, 3332, 2916, 2917, 3323, 2919 and 2978, insert a reference to a new note "b" after "fissile-excepted".

Under the headings "Excepted packages" and "Uranium hexafluoride" add the following new entry:

"UN 3507 URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE less than 0.1 kg per package, non-fissile or fissile-excepted<sup>b,c</sup>"

Add the following table notes "a", "b" and "c" after the table:

"<sup>a</sup> The proper shipping name is found in the column "proper shipping name and description" and is restricted to that part shown in capital letters. In the

cases of UN Nos. 2909, 2911, 2913 and 3326, where alternative proper shipping names are separated by the word "or" only the relevant proper shipping name shall be used.

- <sup>b</sup> The term "fissile-excepted" refers only to material excepted under 2.7.2.3.5.
- <sup>c</sup> For UN No. 3507, see also special provision 369 in Chapter 3.3."

## 2.7.2.2 Determination of activity level

2.7.2.2.1 In .2, insert "limits" after "concentration".

Table 2.7.2.2.1 In the heading of column 4 insert "limit" after "concentration". In (a) after the table, in the introductory sentence, replace "from daughter radionuclides" with "from their progeny".

- 2.7.2.2.2 Amend the text before the table to read as follows:
  - "2.7.2.2.2 For individual radionuclides:
    - .1 Which are not listed in table 2.7.2.2.1 the determination of the basic radionuclide values referred to in 2.7.2.2.1 shall require multilateral approval. For these radionuclides, activity concentration limits for exempt material and activity limits for exempt consignments shall be calculated in accordance with the principles established in the International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources, Safety Series No.115, IAEA, Vienna (1996). It is permissible to use an A<sub>2</sub> 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 transport are taken into consideration. Alternatively, the radionuclide values in table 2.7.2.2.2 may be used without obtaining competent authority approval;
    - .2 In instruments or articles in which the radioactive material is enclosed or is included as a component part of the instrument or other manufactured article and which meet 2.7.2.4.1.3.3, alternative basic radionuclide values to those in table 2.7.2.2.1 for the activity limit for an exempt consignment are permitted and shall require multilateral approval. Such alternative activity limits for an exempt consignment shall be calculated in accordance with the principles set out in the International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources, Safety Series No.115, IAEA, Vienna (1996)."

## Table 2.7.2.2.2 – Basic radionuclide values for unknown radionuclides or mixtures

In the table for 2.7.2.2.2, in the heading of the fourth column, insert "limit" after "concentration".

2.7.2.2.4 In the introductory sentence delete "the determination of" and in the legend for X(i) and  $X_m$  replace "concentration" with "concentration limit".

## 2.7.2.3 Determination of other material characteristics

2.7.2.3.1 Low specific activity (LSA) material

2.7.2.3.1.2.1 In subparagraph "(i)", delete "which are intended to be processed for the use of these radionuclides".

- 2.7.2.3.1.2.1 Subparagraph "(iii)" to read:
  - "(iii) radioactive material for which the A2 value is unlimited. Fissile material may be included only if excepted under 2.7.2.3.5;".

2.7.2.3.1.2.1 (iv), replace ", excluding fissile material not excepted under 2.7.2.3.5" with ". Fissile material may be included only if excepted under 2.7.2.3.5".

2.7.2.3.1.2.2 In subparagraph "(i)", delete "or".

2.7.2.3.1.2.3 In the introductory sentence, replace "meeting the requirements" with "that meet the requirements".

2.7.2.3.1.2.3 In subparagraph "(i)" replace "bitumen, ceramic, etc." with "bitumen and ceramic".

- 2.7.2.3.2 Surface contaminated object (SCO)
- 2.7.2.3.2.1 At the end of subparagraph "(ii)", replace "and" with "or".
- 2.7.2.3.2.2 At the end of subparagraph "(ii)", replace "and" with "or".
- 2.7.2.3.3 Special form radioactive material
- 2.7.2.3.3.6.1 Amend subparagraph ".1" to read as follows:
  - ".1 The tests prescribed in 2.7.2.3.3.5.1 and 2.7.2.3.3.5.2 provided that the specimens are alternatively subjected to the impact test prescribed in ISO 2919:2012: "Radiation Protection Sealed Radioactive Sources General requirements and classification":
    - (i) The Class 4 impact test if the mass of the special form radioactive material is less than 200 g; and
    - (ii) The Class 5 impact test if the mass of the special form radioactive material is equal to or more than 200 g but less than 500 g;".

2.7.2.3.3.6.2 Replace the reference "ISO 2919:1999" with "ISO 2919:2012".

2.7.2.3.3.8.2 Replace "which are acceptable" with "provided that they are acceptable".

## 2.7.2.3 Determination of other material characteristics

## 2.7.2.3.5 Fissile material

2.7.2.3.5 Amend the first paragraph to read as follows:

"Fissile material and packages containing fissile material shall be classified under the relevant entry as "FISSILE" in accordance with table 2.7.2.1.1 unless excepted by one of the provisions of subparagraphs .1 to .6 below and transported subject to the requirements of 5.1.5.5. All provisions apply only to material in packages that meets the requirements of 6.4.7.2 unless unpackaged material is specifically allowed in the provision."

2.7.2.3.5 Fissile material

2.7.2.3.5 Delete current subparagraphs ".1" and ".4". Current ".2" and ".3" are renumbered as ".1" and ".2" respectively.

- 2.7.2.3.5 Insert the following new subparagraphs ".3 to .6":
  - ".3 Uranium with a maximum uranium enrichment of 5% by mass uranium-235 provided:
    - (i) there is no more than 3.5 g of uranium-235 per package;
    - (ii) the total plutonium and uranium-233 content does not exceed 1% of the mass of uranium-235 per package;
    - (iii) Transport of the package is subject to the consignment limit provided in 5.1.5.5.3;
  - .4 Fissile nuclides with a total mass not greater than 2.0 g per package provided the package is transported subject to the consignment limit provided in 5.1.5.5.4;
  - .5 Fissile nuclides with a total mass not greater than 45 g either packaged or unpackaged subject to limits provided in 5.1.5.5; and
  - .6 A fissile material that meets the requirements of 5.1.5.5.2, 2.7.2.3.6 and 5.1.5.2.1.".

# Table 2.7.2.3.5 – Consignment mass limits for exceptions from the requirements for packages containing fissile material

Table 2.7.2.3.5 is deleted.

Insert a new paragraph 2.7.2.3.6 to read as follows:

- "2.7.2.3.6 A fissile material excepted from classification as "FISSILE" under 2.7.2.3.5.6 shall be subcritical without the need for accumulation control under the following conditions:
  - .1 The conditions of 6.4.11.1 (a);

- .2 The conditions consistent with the assessment provisions stated in 6.4.11.12 (b) and 6.4.11.13 (b) for packages; and
- .3 The conditions specified in 6.4.11.11 (a), if transported by air."

## 2.7.2.4 Classification of packages or unpacked material

- 2.7.2.4.1 Classification as excepted package
- 2.7.2.4.1.1 Amend to read as follows:
  - "2.7.2.4.1.1 A package may be classified as an excepted package if it meets one of the following conditions:
    - .1 It is an empty package having contained radioactive material;
    - .2 It contains instruments or articles not exceeding the activity limits specified in columns (2) and (3) of table 2.7.2.4.1.2;
    - .3 It contains articles manufactured of natural uranium, depleted uranium or natural thorium;
    - .4 It contains radioactive material not exceeding the activity limits specified in column (4) of table 2.7.2.4.1.2; or
    - .5 It contains less than 0.1 kg of uranium hexafluoride not exceeding the activity limits specified in column (4) of table 2.7.2.4.1.2."
- 2.7.2.4.1.3 In the introductory sentence replace "only if" with "provided that".

2.7.2.4.1.3.2 Replace "except" with "on its external surface except for the following:"

and amend (ii) to read as follows:

"(ii) consumer products that either have received regulatory approval in accordance with 1.5.1.4.5 or do not individually exceed the activity limit for an exempt consignment in table 2.7.2.2.1 (column 5), provided such products are transported in a package that bears the marking "RADIOACTIVE" on its internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package; "

and insert a new subparagraph "(iii)" under ".2" to read as follows:

- "(iii) Other instruments or articles too small to bear the marking "RADIOACTIVE", provided that they are transported in a package that bears the marking "RADIOACTIVE" on its internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package; and".
- 2.7.2.4.1.4.2 Amend to read as follows:
  - ".2 The package bears the marking "RADIOACTIVE" on either:

- (i) An internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package; or
- (ii) The outside of the package, where it is impractical to mark an internal surface."

Insert a new 2.7.2.4.1.5 to read as follows:

- "2.7.2.4.1.5 Uranium hexafluoride not exceeding the limits specified in column 4 of table 2.7.2.4.1.2 may be classified under UN 3507 URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile-excepted provided that:
  - .1 The mass of uranium hexafluoride in the package is less than 0.1 kg; and
  - .2 The conditions of 2.7.2.4.5.1 and 2.7.2.4.1.4.1 and 2.7.2.4.1.4.2 are met."

and existing paragraph 2.7.2.4.1.5 is renumbered as "2.7.2.4.1.7".

2.7.2.4.1.6 Replace "only if" with "provided that".

2.7.2.4.1.7 (former 2.7.2.4.1.5) In the introductory sentence replace "only if" with "provided that".

2.7.2.4.4 Classification as Type A package

2.7.2.4.4 In the sentence before the subparagraphs, replace "activities greater than the following:" with "activities greater than either of the following:".

- 2.7.2.4.4.1 Delete "or".
- 2.7.2.4.4 In the legend for the formula where "C(j)", delete "and".
- 2.7.2.4.5 Classification of uranium hexafluoride
- 2.7.2.4.5 Amend to read as follows:
  - "2.7.2.4.5 Classification of uranium hexafluoride
  - 2.7.2.4.5.1 Uranium hexafluoride shall only be assigned to:
    - .1 UN No.2977, RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE;
    - .2 UN No.2978, RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile-excepted; or
    - .3 UN No.3507, URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE less than 0.1 kg per package, non-fissile or fissile-excepted.

2.7.2.4.5.2 The contents of a package containing uranium hexafluoride shall comply with the following requirements:

- .1 For UN Nos. 2977 and 2978, the mass of uranium hexafluoride shall not be different from that allowed for the package design, and for UN 3507, the mass of uranium hexafluoride shall be less than 0.1 kg;
- .2 The mass of uranium hexafluoride shall not be 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; and
- .3 The uranium hexafluoride shall be in solid form and the internal pressure shall not be above atmospheric pressure when presented for transport."

## 2.7.2.4.6 Classification as Type B(U), Type B(M) or Type C packages

2.7.2.4.6.1 Replace "competent authority approval certificate" with "competent authority certificate of approval".

- 2.7.2.4.6.2 Amend to read:
  - "2.7.2.4.6.2 The contents of a Type B(U), Type B(M) or Type C package shall be as specified in the certificate of approval".
- 2.7.2.4.6.3 is deleted.
- 2.7.2.4.6.4 is deleted.

# Chapter 2.9 – Miscellaneous dangerous substances and articles (class 9) and environmentally hazardous substances

Amend "Note 2" to read as follows:

"Although the environmentally hazardous substances (aquatic environment) criteria apply to all hazard classes, except for class 7 (see paragraphs 2.10.2.3, 2.10.2.5 and 2.10.3.2), the criteria have been included in this chapter."

#### 2.9.2 Assignment to class 9

2.9.2.2 Under "Substances which, on inhalation as fine dust, may endanger health", replace all three entries by:

"2212 ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)

2590 ASBESTOS, CHRYSOTILE".

replace the existing heading "Electric double layer capacitors" with "Capacitors",

and replace the existing entry under this heading with the following two entries:

"3499 CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3Wh)

3508 CAPACITOR, ASYMMETRIC (with an energy storage capacity greater than 0.3Wh)."

Under "Life-saving appliances", replace the three entries for UN No.3268 by:

"3268 SAFETY DEVICES, electrically initiated".

For "Other substances or articles presenting a danger during transport, but not meeting the definitions of another class", add the following new entry with the corresponding footnote:

"3509 PACKAGING DISCARDED, EMPTY, UNCLEANED\*\*"

Footnote: "\*\* This entry shall not be used for sea transport. Discarded packaging shall meet the requirements of 4.1.1.11."

## 2.9.4 Lithium batteries

2.9.4.1 Replace the second sentence with the following:

"Cells and batteries manufactured according to a type meeting the requirements of subsection 38.3 of the Manual of Tests and Criteria, Revision 3, Amendment 1 or any subsequent revision and amendment applicable at the date of the type testing may continue to be transported, unless otherwise provided in this Code.

Cell and battery types only meeting the requirements of the Manual of Tests and Criteria, Revision 3, are no longer valid. However, cells and batteries manufactured in conformity with such types before 1 July 2003 may continue to be transported if all other applicable requirements are fulfilled."

and amend the note to read as follows:

"**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."

#### **Chapter 2.10 – Marine Pollutants**

#### 2.10.2 General provisions

2.10.2.4 Amend to read as follows:

- "2.10.2.4 Column 4 of the Dangerous Goods List also provides information on marine pollutants using the symbol **P** for single entries. The absence of the symbol P or the presence of a "-" in that column does not preclude the application of 2.10.3."
- 2.10.2.7 Add a new paragraph 2.10.2.7 as follows:
  - "2.10.2.7 Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 I or less for

liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply."

## 2.10.3 Classification

- 2.10.3.2 Add a new paragraph "2.10.3.2" to read as follows:
  - "2.10.3.2 The classification criteria of 2.9.3 are not applicable to substances or materials of class 7."

## PART 3 DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND EXEMPTIONS

## 3.1 General

## 3.1.2 Proper shipping names

## 3.1.2.9 Marine pollutants

3.1.2.9.1 Replace the existing paragraph 3.1.2.9.1 to read as follows:

"3.1.2.9.1 For the purpose of documentation, the Proper Shipping Name of generic or "not otherwise specified" (N.O.S.) entries which are classified as marine pollutants in accordance with 2.10.3, shall be supplemented with the recognized chemical name of the constituent which most predominantly contributes to the classification as marine pollutant."

#### 3.1.4 Segregation groups

3.1.4.1 In the paragraph, replace the words "column 16" with "column 16b".

## Chapter 3.2 – Dangerous Goods List

#### 3.2.1 Structure of the dangerous goods list

3.2.1 The following sentence is added at the end of column 4: "The absence of the symbol **P** or the presence of a "-" in that column does not preclude the application of 2.10.3."

3.2.1 The text for column 16 "column 16 Stowage and segregation – this column contains the stowage and segregation provisions as prescribed in part 7." is replaced with the following:

- "Column 16a Stowage and handling this column contains the stowage and handling codes as specified in 7.1.5 and 7.1.6.
- Column 16 b Segregation this column contains the segregation codes as specified in 7.2.8."

## **Dangerous Goods List**

Replace the existing "column 16" with column "16a Stowage and handling" and "column "16b Segregation" as follows:

## REORGANIZATION OF COLUMN 16 IN THE DANGEROUS GOODS LIST OF THE IMDG CODE

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1	2	3	4	5	(16a)	(16b)
	3.1.2	"2.0	"2.0	2.0.1.3	7.1, 7.3-7.7	7.2-7.7
0004	AMMONIUM PICRATE dry or	1.1D			Category 04	SG27
	wetted with less than 10% water,				SW1	SG31
0005	by mass	1.1F			Category 05	
0005	CARTRIDGES FOR WEAPONS	1.16			SW1	
	with bursting charge				5001	
0006		1.1E			Category 04	
0000	CARTRIDGES FOR WEAPONS				SW1	
	with bursting charge					
0007		1.2F			Category 05	
	CARTRIDGES FOR WEAPONS				SW1	
	with bursting charge					
0009	AMMUNITION, INCENDIARY with	1.2G			Category 03	
	or without burster, expelling charge				SW1	
	or propelling charge					
0010	AMMUNITION, INCENDIARY with	1.3G			Category 03	
	or without burster, expelling charge				SW1	
	or propelling charge					
0012	CARTRIDGES FOR WEAPONS,	1.4S			Category 01	
	INERT PROJECTILE or				SW1	
0011	CARTRIDGES, SMALL ARMS	4 - 10				
0014	CARTRIDGES FOR WEAPONS,	1.4S			Category 01	
	BLANK or CARTRIDGES, SMALL				SW1	
0045	ARMS, BLANK	1.00			O a ta ma ma 00	
0015	AMMUNITION, SMOKE with or	1.2G			Category 03	
	without burster, expelling charge or propelling charge				SW1	
0016	AMMUNITION, SMOKE with or	1.3G			Catagory 02	
0016	without burster, expelling charge or	1.50			Category 03 SW1	
	propelling charge				3001	
0018	AMMUNITION, TEAR-	1.2G			Category 03	SG2
0010	PRODUCING with burster,	1.20			SW1	002
	expelling charge or propelling				0001	
	charge					
0019	AMMUNITION, TEAR-	1.3G			Category 03	SG3
	PRODUCING with burster,				SW1	
	expelling charge or propelling					
	charge					
0020	AMMUNITION, TOXIC with	1.2K			Category 05	
	burster, expelling charge or				SW1	
	propelling charge					
0021	AMMUNITION, TOXIC with	1.3K			Category 05	
	burster, expelling charge or				SW1	
	propelling charge					
0027	BLACK POWDER	1.1D			Category 04	
	(GUNPOWDER) granular, or as a				SW1	
	meal					
0028		1.1D			Category 04	
					SW1	
	(GUNPOWDER), COMPRESSED					
0029	(GUNPOWDER) IN PELLETS	1.1B			Category 05	
0029	DETONATORS, NON-ELECTRIC	1.1D			SW1	
	for blasting				3001	
0030		1.1B			Category 05	
	DETONATORS, ELECTRIC for				SW1	
	blasting				5	
0033	Ĭ	1.1F		1	Category 05	
					SW1	
	BOMBS with bursting charge					
0034		1.1D			Category 04	
					SW1	
	BOMBS with bursting charge					
0035		1.2D			Category 04	
					SW1	
	BOMBS with bursting charge					
		1.1F			Category 05	
0037				1	SW1	
0037						
	BOMBS, PHOTO-FLASH					
0037	BOMBS, PHOTO-FLASH	1.1D			Category 04 SW1	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
0039	a, b, c)	1.2G			Category 03	
	BOMBS, PHOTO-FLASH				SW1	
0042	BONIDS, FHOTO-FLASH	1.1D			Category 04	
					SW1	
0043	BOOSTERS without detonator	1.1D			Category 04	
0043		1.10			SW1	
	BURSTERS explosive				-	
0044		1.4S			Category 01 SW1	
	PRIMERS, CAP TYPE				5001	
0048		1.1D			Category 04	
	CHARGES, DEMOLITION				SW1	
0049		1.1G			Category 03	
					SW1	
0050	CARTRIDGES, FLASH	1.3G			Category 03	
					SW1	
0054	CARTRIDGES, FLASH	1.3G			Catagony 02	
0004		1.50			Category 03 SW1	
	CARTRIDGES, SIGNAL					
0055	CASES, CARTRIDGE, EMPTY,	1.4S			Category 01 SW1	
	WITH PRIMER					
0056		1.1D			Category 04	
	CHARGES, DEPTH				SW1	
0059		1.1D			Category 04	
	CHARGES, SHAPED without detonator				SW1	
0060		1.1D			Category 04	
	CHARGES, SUPPLEMENTARY,				SW1	
0065	EXPLOSIVE	1.1D			Cotogony 04	_
0005		1.10			Category 04 SW1	
	CORD, DETONATING flexible					
0066		1.4G			Category 02 SW1	
	CORD, IGNITER				5001	
0070		1.4S			Category 01	
	CUTTERS, CABLE, EXPLOSIVE				SW1	
0072	CYCLOTRIMETHYLENETRINITR	1.1D			Category 04	
	AMINE, (CYCLONITE), (RDX), (HEXOGEN), WETTED with not				SW1	
	less than 15% water, by mass					
0073		1.1B			Category 05	
	DETONATORS FOR AMMUNITION				SW1	
0074	DIAZODINITROPHENOL,	1.1A			Category 05	
	WETTED with not less than 40%				SW1	
	water or mixture of alcohol and water, by mass					
0075	DIETHYLENEGLYCOL	1.1D			Category 04	
	DINITRATE, DESENSITIZED with not less than 25% non-volatile				SW1	
	water-insoluble phlegmatizer, by					
	mass					
0076	DINITROPHENOL dry or wetted	1.1D			Category 04 SW1	SG31
	with less than 15% water, by mass				5001	
0077	DINITROPHENOLATES alkali	1.3C			Category 04	SG31
	metals, dry or wetted with less than 15% water, by mass				SW1	
0078	DINITRORESORCINOL dry or	1.1D			Category 04	SG31
	wetted with less than 15% water,				SW1	
0079	by mass	1.1D			Category 04	
					SW1	
0081	(DIPICRYLAMINE), (HEXYL)	1.1D			Category 04	SG34
0001		1.10			SW1	0004
000-	EXPLOSIVE, BLASTING, TYPE A					0000
0082		1.1D			Category 04 SW1	SG34
	EXPLOSIVE, BLASTING, TYPE B					
0083		1.1D			Category 04	SG28
	EXPLOSIVE, BLASTING, TYPE C				SW1	
0084	,	1.1D			Category 04	
	EXPLOSIVE, BLASTING, TYPE D				SW1	

	PROPER SHIPPING NAME (Note: When there is more than				Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
0092	a, b, c)	1.3G			Category 03	
					SW1	
0093	FLARES, SURFACE	1.3G			Category 03	
0093		1.50			SW1	
	FLARES, AERIAL					
0094		1.1G			Category 03 SW1	
	FLASH POWDER				3001	
0099	FRACTURING	1.1D			Category 04	
	DEVICES,EXPLOSIVE for oil wells, without detonator				SW1	
0101		1.3G			Category 03	
					SW1	
0102	FUSE, NON-DETONATING	1.2D			Category 04	
0102	CORD (FUSE), DETONATING	1.20			SW1	
	metal-clad					
0103	FUSE, IGNITER tubular, metal-	1.4G			Category 02 SW1	
	clad				3001	
0104		1.4D			Category 02	
	CORD (FUSE), DETONATING, MILD EFFECT metal-clad				SW1	
0105		1.4S			Category 01	
					SW1	
0106	FUSE, SAFETY	1.1B			Category 05	
		1.10			SW1	
	FUZES, DETONATING	-			-	
0107		1.2B			Category 05 SW1	
	FUZES, DETONATING				3001	
0110		1.4S			Category 01	
	GRENADES, PRACTICE hand or rifle				SW1	
0113	GUANYL	1.1A			Category 05	
	NITROSAMINOGUANYLIDENE				SW1	
	HYDRAZINE, WETTED with not					
0114	less than 30% water, by mass	1.1A			Category 05	
0111	GUANYL				SW1	
	ENE (TETRAZENE), WETTED with not less than 30% water or mi					
0118	HEXOLITE (HEXOTOL) dry or	1.1D			Category 04	
	wetted with less than 15% water,				SW1	
0121	by mass	1.1G			Category 03	
••=•					SW1	
0404	IGNITERS JET PERFORATING GUNS,	4.40			Catanami 04	_
0124	CHARGED oil well, without	1.1D			Category 04 SW1	
	detonator					
0129	LEAD AZIDE, WETTED with not	1.1A			Category 05	
	less than 20% water, or mixture of alcohol and water, by mas				SW1	
0130	LEAD STYPHNATE (LEAD	1.1A			Category 05	
	TRINITRORESORCINATE), WETTED with not less than 20%				SW1	
	we filled with not less than 20% water, or mixtu					
0131		1.4S			Category 01	
					SW1	
0132	LIGHTERS, FUSE DEFLAGRATING METAL SALTS	1.3C			Category 04	SG31
	OF AROMATIC				SW1	
0400	NITRODERIVATIVES, N.O.S.	4.45			Cotoria O t	
0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with	1.1D			Category 04 SW1	
	not less than 40% water, or				5	
	mixture of alcohol and water, by					
0135	mass MERCURY FULMINATE,	1.1A			Category 05	
	WETTED with not less than 20%				SW1	
	water, or mixture of alcohol and					
0136	water, by mass	1.1F			Category 05	
					SW1	
040-	MINES with bursting charge					
0137		1.1D			Category 04 SW1	
	MINES with bursting charge				3001	
0138	~ ~ ~	1.2D			Category 04	
				1	SW1	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	1.1D			Category 04 SW1	
0144	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	1.1D			Category 04 SW1	
0146	NITROSTARCH dry or wetted, with less than 20% water, by mass	1.1D			Category 04 SW1	
0147		1.1D			Category 04 SW1	
0150	NITRO UREA PENTAERYTHRITE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass or PENTAERYTHRITE TETRA NITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than	1.1D			Category 04 SW1	
0151	PENTOLITE dry or wetted with	1.1D			Category 04 SW1	
0153	less than 15% water, by mass	1.1D			Category 04 SW1	
0154	TRINITROANILINE (PICRAMIDE) TRINITROPHENOL (PICRIC	1.1D			Category 04	SG31
	ACID) dry or wetted with less than 30% water, by mass				SW1	
0155	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)	1.1D			Category 04 SW1	
0159	POWDER CAKE (POWDER PASTE), WETTED with not less than 25% water, by mass	1.3C			Category 04 SW1	
0160	POWDER, SMOKELESS	1.1C			Category 04 SW1	
0161	POWDER, SMOKELESS	1.3C			Category 04 SW1	
0167	PROJECTILES with bursting	1.1F			Category 05 SW1	
0168	charge PROJECTILES with bursting	1.1D			Category 04 SW1	
0169	charge PROJECTILES with bursting charge	1.2D			Category 04 SW1	
0171	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.2G			Category 03 SW1	
0173	RELEASE DEVICES, EXPLOSIVE	1.4S			Category 01 SW1	
0174	RIVETS, EXPLOSIVE	1.4S			Category 01 SW1	
0180		1.1F			Category 05 SW1	
0181	ROCKETS with bursting charge	1.1E			Category 04 SW1	
0182	ROCKETS with bursting charge	1.2E			Category 04 SW1	
0183	ROCKETS with bursting charge	1.3C			Category 04 SW1	
0186	ROCKETS with inert head	1.3C			Category 04 SW1	
0190	ROCKET MOTORS SAMPLES, EXPLOSIVE other than initiating explosive	1			Category 05 SW1	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
0191	a, b, c)	1.4G			Category 02	
	SIGNAL DEVICES, HAND				SW1	
0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.1G			Category 03 SW1	
0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4S			Category 01 SW1	
0194		1.1G			Category 03 SW1	
0195	SIGNALS, DISTRESS ship	1.3G			Category 03 SW1	
0196	SIGNALS, DISTRESS ship	1.1G			Category 03	
0197	SIGNALS, SMOKE	1.4G			SW1 Category 02	
	SIGNALS, SMOKE				SW1	
0204	SOUNDING DEVICES, EXPLOSIVE	1.2F			Category 05 SW1	
0207		1.1D			Category 04 SW1	
0208	TETRANITROANILINE TRINITROPHENYLMETHYLNITR	1.1D			Category 04 SW1	
0209	AMINE (TETRYL) TRINITROTOLUENE (TNT) dry or wetted with less than 30% water, by mass	1.1D			Category 04 SW1	
0212		1.3G			Category 03 SW1	
0213	TRACERS FOR AMMUNITION	1.1D			Category 04 SW1	
0214	TRINITROANISOLE TRINITROBENZENE dry or wetted	1.1D			Category 04 SW1	
0215	with less than 30% water, by mass TRINITROBENZOIC ACID dry or wetted with less than 30% water,	1.1D			Category 04 SW1	
0216	by mass	1.1D			Category 04 SW1	SG31
0217	TRINITRO-m-CRESOL	1.1D			Category 04 SW1	
0218	TRINITRONAPHTHALENE	1.1D			Category 04 SW1	
0219	TRINITROPHENETOLE TRINITRORESORCINOL (STYPHNIC ACID) dry or wetted with less than 20% water, or mixture of	1.1D			Category 04 SW1	SG27
0220	UREA NITRATE dry or wetted with less than 20% water, by mass	1.1D			Category 04 SW1	
0221	WARHEADS, TORPEDO with bursting charge	1.1D			Category 04 SW1	
0222	AMMONIUM NITRATE with more than 0.2% by mass of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D			Category 04 SW1	SG27
0224	BARIUM AZIDE, dry or wetted with less than 50% water, by mass	1.1A			Category 05 SW1	
0225		1.1B			Category 05 SW1	
0226	BOOSTERS WITH DETONATOR CYCLOTETRAMETHYLENETETR A NITRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass	1.1D			Category 04 SW1	
0234	SODIUM DINITRO-ortho- CRESOLATE dry or wetted with less than 15% water, by mass	1.3C			Category 04 SW1	SG31

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
0235	<b>a, b, c)</b> SODIUM PICRAMATE dry or wetted with less than 20% water, by mass	1.3C			Category 04 SW1	SG31
0236	ZIRCONIUM PICRAMATE dry or wetted with less than 20% water, by mass	1.3C			Category 04 SW1	SG31
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.4D			Category 02 SW1	
0238		1.2G			Category 03 SW1	
0240	ROCKETS, LINE-THROWING	1.3G			Category 03 SW1	
0241	ROCKETS, LINE-THROWING	1.1D			Category 04 SW1	SG34
0242	EXPLOSIVE, BLASTING, TYPE E CHARGES, PROPELLING, FOR	1.3C			Category 04 SW1	
0243	CANNON AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or	1.2H			Category 05 SW1	
0244	propelling ch AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling ch	1.3H			Category 05 SW1	
0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H			Category 05 SW1	
0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H			Category 05 SW1	
0247	AMMUNITION, INCENDIARY liquid or gel, with burster, expelling charge or propelling charg	1.3J			Category 05 SW1	
0248	CONTRIVANCES, WATER- ACTIVATED with burster, expelling charge or propelling charge	1.2L			Category 05 SW1	
0249	CONTRIVANCES, WATER- ACTIVATED with burster, expelling charge or propelling charge	1.3L			Category 05 SW1	
0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1.3L			Category 05 SW1	
0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.3G			Category 03 SW1	
0255	DETONATORS, ELECTRIC for blasting	1.4B			Category 05 SW1	
0257	FUZES, DETONATING	1.4B			Category 05 SW1	
0266	OCTOLITE (OCTOL) dry or wetted with less than 15% water, by mass	1.1D			Category 04 SW1	
0267	DETONATORS, NON-ELECTRIC for blasting	1.4B			Category 05 SW1	
0268	BOOSTERS WITH DETONATOR	1.2B			Category 05 SW1	
0271	CHARGES, PROPELLING	1.1C			Category 04 SW1	
0272		1.3C			Category 04 SW1	
0275	CHARGES, PROPELLING	1.3C			Category 04 SW1	
0276	CARTRIDGES, POWER DEVICE	1.4C			Category 02 SW1	
0277	CARTRIDGES, POWER DEVICE	1.3C			Category 04 SW1	

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0278	a, b, c)	1.4C			Category 02	
0210		1.10			SW1	
0279	CARTRIDGES, OIL WELL	1.1C			Catagory 04	
0279	CHARGES, PROPELLING, FOR	1.10			Category 04 SW1	
	CANNON					
0280		1.1C			Category 04 SW1	
	ROCKET MOTORS				3001	
0281		1.2C			Category 04	
	ROCKET MOTORS				SW1	
0282	NITROGUANIDINE (PICRITE) dry or wetted with less than 20%	1.1D			Category 04 SW1	
0283	water, by mass	1.2D			Category 04	
					SW1	
0284	BOOSTERS without detonator	1.1D			Cotogony 04	
0284	GRENADES hand or rifle, with bursting charge	1.10			Category 04 SW1	
0285		1.2D			Category 04	
	GRENADES hand or rifle, with bursting charge				SW1	
0286		1.1D			Category 04	
	WARHEADS, ROCKET with				SW1	
0287	bursting charge	1.2D			Category 04	
	WARHEADS, ROCKET with bursting charge				SW1	
0288	CHARGES, SHAPED, FLEXIBLE,	1.1D			Category 04 SW1	
	LINEAR				3001	
0289		1.4D			Category 02	
	CORD, DETONATING flexible				SW1	
0290		1.1D			Category 04	
	CORD(FUSE), DETONATING				SW1	
0291	metal-clad	1.2F			Category 05	
					SW1	
0292	BOMBS with bursting charge	1.1F			Category 05	
0292	GRENADES hand or rifle, with	1.11			SW1	
0293	bursting charge	1.2F			O ata ma ma O 5	
0293	GRENADES hand or rifle, with bursting charge	1.2F			Category 05 SW1	
0294		1.2F			Category 05	
	MINES with bursting charge				SW1	
0295	MINES with bursting charge	1.2F			Category 05	
					SW1	
0296	ROCKETS with bursting charge	1.1F			Category 05	
0290	SOUNDING DEVICES,	1.16			SW1	
	EXPLOSIVE					
0297	AMMUNITION, ILLUMINATING with or without burster, expelling	1.4G			Category 02 SW1	
	charge or propelling charge					
0299		1.3G			Category 03 SW1	
	BOMBS, PHOTO-FLASH				3001	
0300	AMMUNITION, INCENDIARY with	1.4G			Category 02	
	or without burster, expelling charge or propelling charge				SW1	
0301	AMMUNITION, TEAR-	1.4G			Category 02	SG74
	PRODUCING with burster, expelling charge or propelling				SW1	
0202	charge	1 40			Cotogory 00	
0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.4G			Category 02 SW1	
0305	איטירפווווא טומואָב	1.3G			Category 03	
-					SW1	
0200	FLASH POWDER	1 40			Cotogory 00	
0306		1.4G			Category 02 SW1	
	TRACERS FOR AMMUNITION					
0312		1.4G			Category 02	
	CARTRIDGES, SIGNAL				SW1	
0313		1.2G			Category 03	
					SW1	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
0314	a, b, c)	1.2G			Category 03	
5011		1.20			SW1	
0315	IGNITERS	1.3G			Category 03	
515		1.50			SW1	
0316	IGNITERS	1.3G			Catagory 02	
1310		1.3G			Category 03 SW1	
	FUZES, IGNITING					
0317		1.4G			Category 02 SW1	
	FUZES, IGNITING					
0318	GRENADES, PRACTICE hand or	1.3G			Category 03 SW1	
	rifle				0001	
0319		1.3G			Category 03 SW1	
	PRIMERS, TUBULAR				5001	
0320		1.4G			Category 02	
	PRIMERS, TUBULAR				SW1	
0321		1.2E			Category 04	
	CARTRIDGES FOR WEAPONS with bursting charge				SW1	
0322	ROCKET MOTORS WITH	1.2L			Category 05	
	HYPERGOLIC LIQUIDS with or				SW1	
0323	without expelling charge	1.4S			Category 01	
-					SW1	
0324	CARTRIDGES, POWER DEVICE	1.2F			Category 05	
5524	PROJECTILES with bursting	1.21			SW1	
2225	charge	1.4G			Catagany 02	
0325		1.4G			Category 02 SW1	
	IGNITERS					
0326	CARTRIDGES FOR WEAPONS,	1.1C			Category 04 SW1	
	BLANK				0111	
0327	CARTRIDGES FOR WEAPONS,	1.3C			Category 04	
	BLANK or CARTRIDGES, SMALL ARMS, BLANK				SW1	
0328		1.2C			Category 04	
	CARTRIDGES FOR WEAPONS, INERT PROJECTILE				SW1	
0329		1.1E			Category 04	
	TORPEDOES with bursting charge				SW1	
0330		1.1F			Category 05	
					SW1	
0331	TORPEDOES with bursting charge	1.5D			Category 03	SG34
	EXPLOSIVE, BLASTING, TYPE B				SW1	
0332	(AGENT, BLASTING, TYPE B)	1.5D			Category 03	SG34
0002	EXPLOSIVE, BLASTING, TYPE E	1102			SW1	
0333	(AGENT, BLASTING, TYPE E)	1.1G			Category 03	
		1.10			SW1	
0334	FIREWORKS	1.2G			Catagory 02	
0004		1.20			Category 03 SW1	
0005	FIREWORKS	4.00			Optomo 00	
0335		1.3G			Category 03 SW1	
0000	FIREWORKS					
0336		1.4G			Category 02 SW1	
	FIREWORKS				-	
0337		1.4S			Category 01 SW1	
	FIREWORKS					
0338	CARTRIDGES FOR WEAPONS,	1.4C			Category 02	
	BLANK or CARTRIDGES, SMALL ARMS, BLANK				SW1	
0339	CARTRIDGES FOR WEAPONS,	1.4C			Category 02	
	INERT PROJECTILE or CARTRIDGES, SMALL ARMS				SW1	
0340	NITROCELLULOSE dry or wetted	1.1D			Category 04	
	with less than 25% water (or				SW1	
0341	alcohol), by mass	1.1D			Category 04	
	NITROCELLULOSE unmodified or				SW1	
	plasticized with less than 18% plasticizing substance, by mass					

	PROPER SHIPPING NAME (Note: When there is more than	0		<b>_</b>	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
0342	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	1.3C			Category 04 SW1	
0343	NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	1.3C			Category 04 SW1	
0344	PROJECTILES with bursting	1.4D			Category 02 SW1	
0345	charge	1.4S			Category 01 SW1	
0346	PROJECTILES inert, with tracer PROJECTILES with burster or expelling charge	1.2D			Category 04 SW1	
0347	PROJECTILES with burster or	1.4D			Category 02 SW1	
0348	expelling charge CARTRIDGES FOR WEAPONS with bursting charge	1.4F			Category 05 SW1	
0349	ARTICLES, EXPLOSIVE, N.O.S.	1.4S			Category 01 SW1	
0350		1.4B			Category 05 SW1	
0351	ARTICLES, EXPLOSIVE, N.O.S.	1.4C			Category 02 SW1	
0352	ARTICLES, EXPLOSIVE, N.O.S.	1.4D			Category 02 SW1	
0353	ARTICLES, EXPLOSIVE, N.O.S.	1.4G			Category 02 SW1	
0354	ARTICLES, EXPLOSIVE, N.O.S.	1.1L	See SP943		Category 05 SW1	
0355	ARTICLES, EXPLOSIVE, N.O.S.	1.2L	See SP943		Category 05 SW1	
0356	ARTICLES, EXPLOSIVE, N.O.S.	1.3L	See SP943		Category 05 SW1	
0357	ARTICLES, EXPLOSIVE, N.O.S.	1.1L				
	SUBSTANCES, EXPLOSIVE, N.O.S.				Category 05 SW1	
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2L			Category 05 SW1	
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3L			Category 05 SW1	
0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.1B			Category 05 SW1	
0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4B			Category 05 SW1	
0362	AMMUNITION, PRACTICE	1.4G			Category 02 SW1	
0363	AMMUNITION, PROOF	1.4G			Category 02 SW1	
0364	DETONATORS FOR AMMUNITION	1.2B			Category 05 SW1	
0365	DETONATORS FOR AMMUNITION	1.4B			Category 05 SW1	
0366	DETONATORS FOR	1.4S			Category 01 SW1	
0367		1.4S			Category 01 SW1	
0368		1.4S			Category 01 SW1	
0369	FUZES, IGNITING WARHEADS, ROCKET with bursting charge	1.1F			Category 05 SW1	

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0370	WARHEADS, ROCKET with burster or expelling charge	1.4D			Category 02 SW1	
0371	WARHEADS, ROCKET with	1.4F			Category 05 SW1	
0372	burster or expelling charge GRENADES, PRACTICE hand or	1.2G			Category 03 SW1	
0373	rifle	1.4S			Category 01 SW1	
0374	SIGNAL DEVICES, HAND SOUNDING DEVICES,	1.1D			Category 04 SW1	
0375	EXPLOSIVE SOUNDING DEVICES,	1.2D			Category 04 SW1	
0376	EXPLOSIVE	1.4S			Category 01 SW1	
0377	PRIMERS, TUBULAR	1.1B			Category 05 SW1	
0378	PRIMERS, CAP TYPE	1.4B			Category 05 SW1	
0379	PRIMERS, CAP TYPE CASES, CARTRIDGE, EMPTY,	1.4C			Category 02 SW1	
0380	WITH PRIMER	1.2L			Category 05 SW1	
0381	ARTICLES, PYROPHORIC	1.2C			Category 04 SW1	
0382	CARTRIDGES, POWER DEVICE	1.2B			Category 05 SW1	
0383	TRAIN, N.O.S. COMPONENTS, EXPLOSIVE	1.4B			Category 05 SW1	
0384	TRAIN, N.O.S. COMPONENTS, EXPLOSIVE	1.4S			Category 01 SW1	
0385	TRAIN, N.O.S.	1.1D			Category 04 SW1	
0386	5-NITROBENZOTRIAZOL TRINITROBENZENESULPHONIC	1.1D			Category 04 SW1	SG31
0387		1.1D			Category 04 SW1	
0388	TRINITROFLUORENONE TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE	1.1D			Category 04 SW1	
0389	TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1D			Category 04 SW1	
0390	TRITONAL	1.1D			Category 04 SW1	
0391	CYCLOTRIMETHYLENETRINITR AMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETR ANITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass or CYCLOTRIMETHYLENETRINITR AMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETR ANITRAMINE (HMX; OCTOGEN) MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by	1.1D			Category 04 SW1	

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0392	a, b, c)	1.1D			Category 04	
	HEXANITROSTILBENE				SW1	
0393		1.1D			Category 04	
	HEXOTONAL				SW1	
0394	TRINITRORESORCINOL	1.1D			Category 04	SG31
	(STYPHNIC ACID), WETTED with				SW1	
	not less than 20% water, or mixture of a					
0395		1.2J			Category 05	SG67
	ROCKET MOTORS, LIQUID FUELLED				SW1	
0396	FUELLED	1.3J			Category 05	
	ROCKET MOTORS, LIQUID				SW1	
0397	FUELLED	1.1J			Category 05	SG67
0007	ROCKETS, LIQUID FUELLED with	1.10			SW1	0007
0000	bursting charge	4.01			Catagory OF	0007
0398	ROCKETS, LIQUID FUELLED with	1.2J			Category 05 SW1	SG67
	bursting charge					
0399	BOMBS WITH FLAMMABLE	1.1J			Category 05 SW1	SG67
	LIQUID with bursting charge				3001	
0400		1.2J			Category 05	SG67
	BOMBS WITH FLAMMABLE LIQUID with bursting charge				SW1	
0401	DIPICRYL SULPHIDE dry or	1.1D			Category 04	
	wetted with less than 10% water, by mass				SW1	
0402	by mass	1.1D			Category 04	SG27
					SW1	
0403	AMMONIUM PERCHLORATE	1.4G			Category 02	-
0400		1.40			SW1	
0404	FLARES, AERIAL	4.40			Catagory 01	
0404		1.4S			Category 01 SW1	
	FLARES, AERIAL					
0405		1.4S			Category 01 SW1	
	CARTRIDGES, SIGNAL				3001	
0406		1.3C			Category 04	
	DINITROSOBENZENE				SW1	
0407		1.4C			Category 02	
	TETRAZOL-1-ACETIC ACID				SW1	
0408		1.1D			Category 04	
	FUZES, DETONATING with				SW1	
0409	protective features	1.2D			Category 04	
	FUZES, DETONATING with				SW1	
0410	protective features	1.4D			Category 02	
0410	FUZES, DETONATING with	1.40			SW1	
0444	protective features PENTAERYTHRITE	4 4 5			Cotonemi 0.4	
0411	TETRANITRATE	1.1D			Category 04 SW1	
	(PENTAERYTHRITOL					
	TETRANITRATE; PETN) with not less than 7% wax, by mass					
0412		1.4E			Category 03	
	CARTRIDGES FOR WEAPONS				SW1	
0413	with bursting charge	1.2C			Category 04	
-	CARTRIDGES FOR WEAPONS,				SW1	
0414	BLANK	1.2C			Category 04	
0714	CHARGES, PROPELLING, FOR	1.20			SW1	
0445	CANNON	4.00			Optomo 04	
0415		1.2C			Category 04 SW1	
	CHARGES, PROPELLING					
0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or	1.3C			Category 04 SW1	
	CARTRIDGES, SMALL ARMS				3001	
0418		1.1G			Category 03	
					SW1	
	IFLARES, SURFACE					
0419	FLARES, SURFACE	1.2G			Category 03	

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0420	u, b, b)	1.1G			Category 03	
	FLARES, AERIAL				SW1	
0421		1.2G			Category 03 SW1	
	FLARES, AERIAL				3001	
0424		1.3G			Category 03 SW1	
	PROJECTILES inert, with tracer				3001	
0425		1.4G			Category 02 SW1	
	PROJECTILES inert, with tracer				3001	
0426	PROJECTILES with burster or	1.2F			Category 05 SW1	
	expelling charge				3001	
0427	PROJECTILES with burster or expelling charge	1.4F			Category 05 SW1	
0428		1.1G			Category 03	
	ARTICLES, PYROTECHNIC for technical purposes				SW1	
0429	ARTICLES, PYROTECHNIC for technical purposes	1.2G			Category 03 SW1	
0430		1.3G			Category 03	
	ARTICLES, PYROTECHNIC for technical purposes				SW1	
0431		1.4G			Category 02	
	ARTICLES, PYROTECHNIC for technical purposes				SW1	
0432		1.4S			Category 01	
	ARTICLES, PYROTECHNIC for technical purposes				SW1	
0433	POWDER CAKE (POWDER PASTE), WETTED with not less	1.1C			Category 04 SW1	
0434	than 17% alcohol, by mass	1.2G			Category 03	
	PROJECTILES with burster or expelling charge				SW1	
0435	PROJECTILES with burster or	1.4G			Category 02 SW1	
	expelling charge					
0436		1.2C			Category 04 SW1	
	ROCKETS with expelling charge					
0437		1.3C			Category 04 SW1	
	ROCKETS with expelling charge					
0438		1.4C			Category 02 SW1	
	ROCKETS with expelling charge					
0439	CHARGES, SHAPED without detonator	1.2D			Category 04 SW1	
0440	CHARGES, SHAPED without	1.4D			Category 02 SW1	
	detonator				3001	
0441	CHARGES, SHAPED without detonator	1.4S			Category 01 SW1	
0442		1.1D			Category 04	
	CHARGES, EXPLOSIVE, COMMERCIAL without detonator				SW1	
0443	CHARGES, EXPLOSIVE,	1.2D			Category 04 SW1	
0444	COMMERCIAL without detonator	1.4D			Category 02	
	CHARGES, EXPLOSIVE,				SW1	
0445	COMMERCIAL without detonator	1.4S			Category 01	
	CHARGES, EXPLOSIVE, COMMERCIAL without detonator				SW1	
0446	COMMERCIAL Without detonator CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.4C			Category 02 SW1	
0447		1.3C			Category 04	
	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER				SW1	
0448		1.4C			Category 02	
	5-MERCAPTOTETRAZOL-1- ACETIC ACID				SW1	
0449	TORPEDOES, LIQUID-FUELLED	1.1J			Category 05 SW1	SG67

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0450	TORPEDOES, LIQUID-FUELLED with inert head	1.3J			Category 05 SW1	SG67
0451		1.1D			Category 04 SW1	
0452	TORPEDOES with bursting charge	1.4G			Cotogony 02	_
0452	GRENADES, PRACTICE hand or rifle	1.46			Category 02 SW1	
0453		1.4G			Category 02 SW1	
0454	ROCKETS, LINE-THROWING	1.4S			Category 01 SW1	
	IGNITERS					
0455	DETONATORS, NON-ELECTRIC for blasting	1.4S			Category 01 SW1	
0456	DETONATORS, ELECTRIC for	1.4S			Category 01 SW1	
0457	blasting	1.1D			Category 04	
	CHARGES, BURSTING, PLASTICS BONDED				SW1	
0458	CHARGES, BURSTING, PLASTICS BONDED	1.2D			Category 04 SW1	
0459	CHARGES, BURSTING, PLASTICS BONDED	1.4D			Category 02 SW1	
0460	CHARGES, BURSTING, PLASTICS BONDED	1.4S			Category 01 SW1	
0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.1B			Category 05 SW1	
0462	TRAIN, N.O.3.	1.1C			Category 04	
	ARTICLES, EXPLOSIVE, N.O.S.				SW1	
0463		1.1D			Category 04 SW1	
0464	ARTICLES, EXPLOSIVE, N.O.S.	1.1E			Category 04 SW1	
0465	ARTICLES, EXPLOSIVE, N.O.S.	1.1F			Category 05 SW1	
	ARTICLES, EXPLOSIVE, N.O.S.					
0466	ARTICLES, EXPLOSIVE, N.O.S.	1.2C			Category 04 SW1	
0467		1.2D			Category 04 SW1	
	ARTICLES, EXPLOSIVE, N.O.S.				5001	
0468		1.2E			Category 04 SW1	
0469	ARTICLES, EXPLOSIVE, N.O.S.	1.2F			Category 05	
					SW1	
0470	ARTICLES, EXPLOSIVE, N.O.S.	1.3C			Category 04 SW1	
0471	ARTICLES, EXPLOSIVE, N.O.S.	1.4E			Category 03 SW1	
0472	ARTICLES, EXPLOSIVE, N.O.S.	1.4F			Category 05	
	ARTICLES, EXPLOSIVE, N.O.S.				SW1	
0473	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1A			Category 05 SW1	
0474	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1C			Category 04 SW1	
0475	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1D			Category 04 SW1	
0476	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1G			Category 03 SW1	
0477	N.O.S. SUBSTANCES, EXPLOSIVE, N.O.S.	1.3C			Category 04 SW1	

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0478	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3G			Category 03 SW1	
0479	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4C			Category 02 SW1	
0480	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4D			Category 02 SW1	
0481	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4S			Category 01 SW1	
0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.	1.5D			Category 03 SW1	
0483	CYCLOTRIMETHYLENETRINITR AMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED	1.1D			Category 04 SW1	
0484	CYCLOTETRAMETHYLENETETR ANITRAMINE (OCTOGEN; HMX), DESENSITIZED	1.1D			Category 04 SW1	
0485	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4G			Category 02 SW1	
0486	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)	1.6N			Category 03 SW1	
0487	SIGNALS, SMOKE	1.3G			Category 03 SW1	
0488		1.3G			Category 03 SW1	
0489		1.1D			Category 04 SW1	
0490		1.1D			Category 04 SW1	
0491	NITROTRIAZOLONE (NTO)	1.4C			Category 02 SW1	
0492	CHARGES, PROPELLING SIGNALS, RAILWAY TRACK,	1.3G			Category 03 SW1	
0493	EXPLOSIVE SIGNALS, RAILWAY TRACK,	1.4G			Category 02 SW1	
0494	EXPLOSIVE JET PERFORATING GUNS, CHARGED oil well, without	1.4D			Category 02 SW1	
0495		1.3C			Category 04 SW1	
0496	PROPELLANT, LIQUID	1.1D			Category 04 SW1	
0497	OCTONAL	1.1C			Category 04 SW1	
0498	PROPELLANT, LIQUID	1.1C			Category 04 SW1	
0499	PROPELLANT, SOLID	1.3C			Category 04 SW1	
0500	PROPELLANT, SOLID DETONATOR ASSEMBLIES,	1.4S			Category 01 SW1	
0501	NON-ELECTRIC for blasting	1.4C			Category 02 SW1	
0502	PROPELLANT, SOLID	1.2C			Category 04 SW1	
0503	ROCKETS with inert head AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT	1.4G			Category 02 SW1	
0504	PRETENSIONERS	1.1D			Category 04 SW1	
0505	1H-TETRAZOLE	1.4G			Category 02 SW1	

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0506	u, b, b)	1.4S			Category 01	
	SIGNALS, DISTRESS, ship				SW1	
0507		1.4S			Category 01	
					SW1	
0508	SIGNALS, SMOKE	1.3C			Category 04	
	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	1.00			SW1	
0509		1.4C			Category 02	
	POWDER, SMOKELESS				SW1	
1001		2.1			Category D SW1 SW2	SG46
	ACETYLENE, DISSOLVED					
1002	AIR, COMPRESSED	2.2			Category A	
1003		2.2	5.1		Category D	
1005	AIR, REFRIGERATED LIQUID	2.2	8		Cotogony D	SG35
000		2.3	0		Category D SW2	SG46
100-	AMMONIA, ANHYDROUS					
1006	ARGON, COMPRESSED	2.2			Category A	
1008		2.3	8		Category D	
					SW2	
1009	BORON TRIFLUORIDE BROMOTRIFLUOROMETHANE	2.2			Category A	
1003	(REFRIGERANT GAS R 13B1)	2.2			Calegory A	
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED with more than 40% butadienes	2.1			Category B SW2	
1011	BUTANE	2.1			Category E SW2	
1012		2.1			Category E	
					SW2	
1013	BUTYLENE	2.2			Category A	
	CARBON DIOXIDE					
1016	CARBON MONOXIDE, COMPRESSED	2.3	2.1		Category D SW2	
1017	CHLORINE	2.3	5.1/8 P		Category D SW2	SG6 SG19
1018	CHLORODIFLUOROMETHANE	2.2			Category A	
	(REFRIGERANT GAS R 22)					
1020	CHLOROPENTAFLUOROETHAN E (REFRIGERANT GAS R 115)	2.2			Category A	
1021	1-CHLORO-1,2,2,2- TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2.2			Category A	
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2.2			Category A	
1023	, , , , , , , , , , , , , , , , , , ,	2.3	2.1		Category D SW2	
1026	COAL GAS, COMPRESSED	2.3	2.1		Category D SW2	
1027		2.1			Category E SW2	
1028	CYCLOPROPANE DICHLORODIFLUOROMETHANE	2.2			Category A	
	(REFRIGERANT GAS R 12)					
1029	DICHLOROFLUOROMETHANE	2.2			Category A	
1030	(REFRIGERANT GAS R 21) 1,1-DIFLUOROETHANE	2.1			Category B SW2	
1032	(REFRIGERANT GAS R 152a)	2.1			Category D SW2	
1000	DIMETHYLAMINE, ANHYDROUS	0.4			Cotorer	
1033	DIMETHYL ETHER	2.1			Category B SW2	
1035	ETHANE	2.1			Category E SW2	

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1036	a, b, cj	2.1			Category D	
	ETHYLAMINE				SW2	
1037		2.1			Category B	
	ETHYL CHLORIDE				SW2	
1038	ETHYLENE, REFRIGERATED LIQUID	2.1			Category D SW2	
1039		2.1			Category B SW2	
1040	ETHYL METHYL ETHER ETHYLENE OXIDE or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1MPa (10 bar) at	2.3	2.1		Category D SW2	
1041	50°C ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than	2.1			Category B SW2	
1043	87% ethyle FERTILIZER AMMONIATING	2.2			Category E SW2	
1044	SOLUTION with free ammonia FIRE EXTINGUISHERS with compressed or liquefied gas	2.2			Category A	
1045	FLUORINE, COMPRESSED	2.3	5.1/8		Category D SW2	SG6 SG19
1046	HELIUM, COMPRESSED	2.2			Category A	
1048	HYDROGEN BROMIDE, ANHYDROUS	2.3	8		Category D SW2	
1049	HYDROGEN, COMPRESSED	2.1			Category E SW2	SG46
1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3	8		Category D SW2	
1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water	6.1	3P	I	Category D SW2	
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	6.1	1	Category D SW2	
1053		2.3	2.1		Category D SW2	
1055	HYDROGEN SULPHIDE	2.1			Category E SW2	
1056	ISOBUTYLENE KRYPTON, COMPRESSED	2.2			Category A	
1057	LIGHTERS or LIGHTER REFILLS	2.1			Category B SW2	
1058	containing flammable gas LIQUEFIED GASES non- flammable, charged with nitrogen, carbon dioxide or air	2.2			Category A	
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	2.1			Category B SW2	
1061	METHYLAMINE, ANHYDROUS	2.1			Category B SW2	
1062	METHYL BROMIDE with not more than 2.0% chloropicrin	2.3			Category D SW2	
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1			Category D SW2	
1064		2.3	2.1 P		Category D SW2	
1065	METHYL MERCAPTAN NEON, COMPRESSED	2.2			Category A	
1066		2.2			Category A	
1067	NITROGEN, COMPRESSED DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	5.1/8		Category D SW2	SG6 SG19
1069	NITROSYL CHLORIDE	2.3	8		Category D SW2	

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1070	a, b, c)	2.2	5.1		Category A	
	NITROUS OXIDE				SW2	
1071		2.3	2.1		Category D SW2	
1072	OIL GAS, COMPRESSED	2.2	5.1		Category A	
	OXYGEN, COMPRESSED		_			
1073	OXYGEN, REFRIGERATED LIQUID	2.2	5.1		Category D	
1075	PETROLEUM GASES, LIQUEFIED	2.1			Category E SW2	
1076		2.3	8		Category D SW2	
1077	PHOSGENE	2.1			Category E	
	PROPYLENE	2			SW2	
1078		2.2			Category A	
1079	REFRIGERANT GAS, N.O.S.	2.3	8		Category D	
	SULPHUR DIOXIDE				SW2	
1080	SULPHUR HEXAFLUORIDE	2.2			Category A	
1081		2.1			Category E	
	TETRAFLUOROETHYLENE, STABILIZED				SW2	
1082	TRIFLUOROCHLOROETHYLENE , STABILIZED	2.3	2.1		Category D SW2	
1083	TRIMETHYLAMINE,	2.1			Category B SW2	
	ANHYDROUS					
1085		2.1			Category B SW2	
1086	VINYL BROMIDE, STABILIZED	2.1			Category B SW2	
1087	VINYL CHLORIDE, STABILIZED	2.1			Category B	
1007	VINYL METHYL ETHER, STABILIZED	2.1			SW2	
1088	ACETAL	3		11	Category E	
1089		3		1	Category E	
1090	ACETALDEHYDE ACETONE (ACETONE	3		11	Category E	
1091	SOLUTIONS)	3			Category B	
1092	ACETONE OILS	6.1	3P		Category D	
1002		0.1		ľ	SW2	
1093	ACROLEIN, STABILIZED	3	6.1	1	Category E	
	ACRYLONITRILE, STABILIZED				SW2	
1098		6.1	3	1	Category D SW2	
1099	ALLYL ALCOHOL	3	6.1 P		Category B	
1099		5	0.1 F		SW2	
1100	ALLYL BROMIDE	3	6.1	1	Category E	
	ALLYL CHLORIDE				SW2	
1104	AMYL ACETATES	3			Category A	
1105		3			Category B	
1105	PENTANOLS	3			Category A	
1106	PENTANOLS	3	8		Category B	
1106	AMYLAMINES	3	8		Category A	
1100	AMYLAMINES	3				
	AMYL CHLORIDES			"	Category B	
1108	1-PENTENE (n-AMYLENE)	3			Category E	
1109	AMYL FORMATES	3			Category A	
1110	n-AMYL METHYL KETONE	3		111	Category A	

1112       A         1113       A         1113       A         1114       B         1120       B         1120       B         1123       B         1124       C         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1134       Iid	a, b, c)  AMYL MERCAPTANS  AMYL NITRATES  AMYL NITRITE  BENZENE  BUTANOLS  BUTANOLS  BUTYL ACETATES  D-BUTYLACETATES  1-BROMOBUTANE	3 3 3 3 3 3 3 3 3 3 3			Category B Category A SW2 Category E SW2 Category B SW2 Category B Category A	SG50 SG57
1112       A         1113       A         1113       A         1114       B         1120       B         1120       B         1123       B         1124       C         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1134       Iid	AMYL NITRATES AMYL NITRITE BENZENE BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES An-BUTYLAMINE	3 3 3 3 3 3 3		    	SW2 Category E SW2 Category B SW2 Category B	3637
A 1113 A 1114 B 1120 B 1120 B 1123 B 1123 B 1123 C 1123 C 1128 1127 C 1128 1129 B 1129 B 1130 C 1131 C 1133 A lic 1133 A lic 1133 A lic	AMYL NITRITE BENZENE BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3 3 3 3 3 3 3		    	SW2 Category E SW2 Category B SW2 Category B	
1113       A         1114       B         1120       B         1120       B         1120       B         1123       B         1123       B         1123       B         1123       B         1123       B         1123       B         1124       C         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1133       Iia         1134       Iia	AMYL NITRITE BENZENE BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3 3 3 3 3 3		    	Category E SW2 Category B SW2 Category B	
A 1114 B 1120 B 1120 B 1123 B 1123 B 1123 B 1125 1125 1126 1126 1128 n 1129 B 1130 C 1133 A lia 1133 A lia 1133 A	BENZENE BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES	3 3 3 3 3 3		    	SW2 Category B SW2 Category B	
1114       B         1120       B         1120       B         1123       B         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1133       A         1133       A         1133       A         1134       Iid	BENZENE BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES	3 3 3 3		11	SW2 Category B	
1120       B         1123       B         1123       B         1123       B         1123       B         1125       1         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1133       A         1134       Iid	BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3 3 3			SW2 Category B	
1120       B         1123       B         1123       B         1123       B         1123       B         1125       1         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1133       A         1134       Iid	BUTANOLS BUTANOLS BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3 3 3				
1120       B         1123       B         1123       B         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1133       A         1133       A         1133       A         1133       Iia         1134       Iia	BUTANOLS BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3			Category A	
1123       B         1123       B         1125       n         1125       1         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1134       Iid	BUTYL ACETATES BUTYL ACETATES n-BUTYLAMINE	3				
B         1123       B         1125       n         1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1134       Iit	BUTYL ACETATES	3			Category B	
B 1125 1126 1127 1127 1128 1129 1129 B 1130 C 1133 A 1133 A 1133 A 1133 A 1133 A 114 114 115 115 115 115 115 115	n-BUTYLAMINE					
n 1126 1127 127 128 n 129 B 130 C 133 A 133 A 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A		3		111	Category A	
1126       1         1127       C         1128       n         1129       B         1130       C         1131       C         1133       A         1134       Iid			8	П	Category B SW2	
1127 1128 1128 1129 1129 1130 1131 C 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 114 114 115 115 115 115 115 115						
127 C 128 129 B 130 C 133 A 133 A 133 A 1134 1134		3			Category B SW2	
128 n  129 B  130 C  131 C  133 A  133 A  133 A  134  10	1-BROMOBOTAINE	3			Category B	
n 1129 1130 1130 1131 C 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 1133 A 114 1133 A 114 114 115 115 115 115 115 115	CHLOROBUTANES	3			Category B	
B 1130 1131 1133 1133 1133 1133 1133 1133 1133 1134	n-BUTYL FORMATE					
C 1131 C 1133 A 1133 A 1133 A 1133 A 1134	BUTYRALDEHYDE	3		11	Category B	
1131 C 1133 A lia 1133 A lia 1133 A lia 1134	CAMPHOR OIL	3		111	Category A	
133 A  ia  133 A  ia  133 A  ia  134		3	6.1	1	Category D	SG63
lia 133 A lia 133 A lia 134	CARBON DISULPHIDE				SW2	
133 A lia 133 A lia 134	ADHESIVES containing flammable	3		1	Category E	
133 A  id  134	ADHESIVES containing flammable	3		11	Category B	
134	liquid ADHESIVES containing flammable	3			Category A	
	liquid	3			Category A	
135	CHLOROBENZENE	6.1	3			
		0.1	3		Category D SW2	
	ETHYLENE CHLOROHYDRIN COAL TAR DISTILLATES,	3			Category B	
F	FLAMMABLE COAL TAR DISTILLATES,	3				
F	FLAMMABLE				Category A	
	COATING SOLUTION (includes surface treatments or coatings	3		1	Category E	
u	used for industrial purposes such as vehicle under-coating, drum or					
b	barrel lining)				_	
	COATING SOLUTION (includes surface treatments or coatings	3		11	Category B	
	used for industrial purposes such as vehicle under-coating, drum or					
b	barrel lining)					
	COATING SOLUTION (includes surface treatments or coatings	3			Category A	
	used for industrial purposes such as vehicle under-coating, drum or					
b	barrel lining)		0.5		0.1	
С	CROTONALDEHYDE or CROTONALDEHYDE,	6.1	3P		Category D SW2	
S 144	STABILIZED	3			Category E	
	CROTONYLENE	3		11	Category E	
С	CYCLOHEXANE					
	CYCLOPENTANE	3		II	Category E	
147	DECAHYDRONAPHTHALENES	3			Category A	
148		3		11	Category B	
148	DIACETONE ALCOHOL	3			Category A	
D 149	I	3			Category A	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1150		3		11	Category B	
152	1,2-DICHLOROETHYLENE	3		111	Category A	
153	DICHLOROPENTANES ETHYLENE GLYCOL DIETHYL	3			Category A	
	ETHER					
153	ETHYLENE GLYCOL DIETHYL ETHER	3			Category A	
154		3	8	11	Category E SW2	
155	DIETHYLAMINE DIETHYL ETHER (ETHYL ETHER)	3		1	Category E SW2	
156	DIETHYL KETONE	3		11	Category B	
157		3			Category A	
158	DIISOBUTYL KETONE	3	8		Category B	
	DIISOPROPYLAMINE		0			
159		3		Ш	Category E SW2	
160	DIISOPROPYL ETHER DIMETHYLAMINE, AQUEOUS	3	8		Category B	SG35
	SOLUTION	_				0000
161	DIMETHYL CARBONATE	3		11	Category B	
162		3	8	11	Category B SW2	
163	DIMETHYLDICHLOROSILANE	6.1	3/8P	1	Category D SW2	SG5 SG8 SG13
164	DIMETHYLHYDRAZINE, UNSYMMETRICAL	3		11	Category E SW2	SG35
105	DIMETHYL SULPHIDE					
165	DIOXANE	3		II	Category B	
166		3		11	Category B SW2	
167		3		1	Category E SW2	
169	DIVINYL ETHER, STABILIZED	3			Category B	
169	EXTRACTS, AROMATIC, LIQUID	3			Category A	
	EXTRACTS, AROMATIC, LIQUID					
170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3		11	Category A	
170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3			Category A	
171	ETHYLENE GLYCOL MONOETHYL ETHER	3		Ш	Category A	
172	ETHYLENE GLYCOL	3			Category A	
173	MONOETHYL ETHER ACETATE ETHYL ACETATE	3		11	Category B	
175	ETHYLBENZENE	3		11	Category B	
176	ETHYLBENZENE ETHYL BORATE	3			Category B	
177	2-ETHYLBUTYL ACETATE	3			Category A	
178	2-ETHYLBUTYRALDEHYDE	3		11	Category B	
179	ETHYL BUTYL ETHER	3			Category B	
180	ETHYL BUTYRATE	3		111	Category A	
181		6.1	3	11	Category A	
182	ETHYL CHLOROACETATE	6.1	"3/8	1	Category D	SG5
183	ETHYL CHLOROFORMATE	4.3	"3/8	1	SW2 Category D	SG8 SG5
	ETHYLDICHLOROSILANE				SW2	SG7 SG8 SG13

	PROPER SHIPPING NAME (Note: When there is more than		Cubaidianu	Decking	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
	a, b, c)					
184		3	6.1	11	Category B SW2	
	ETHYLENE DICHLORIDE					
185		6.1	3	1	Category D SW2	
	ETHYLENEIMINE, STABILIZED					
188	ETHYLENE GLYCOL MONOMETHYL ETHER	3		111	Category A	
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3		111	Category A	
190		3		11	Category E	
191	ETHYL FORMATE	3		111	Category A	
	OCTYL ALDEHYDES				0,	
192	ETHYL LACTATE	3		111	Category A	
193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)	3		11	Category B	
194		3	6.1	1	Category D	
	ETHYL NITRITE SOLUTION				SW2	
1195		3		11	Category B	
1196	ETHYL PROPIONATE	3	8		Category B	
					SW2	
1197	ETHYLTRICHLOROSILANE EXTRACTS, FLAVOURING,	3			Category B	
1197	LIQUID EXTRACTS, FLAVOURING,	2			•••	
1197	LIQUID	3			Category A	
198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	8	111	Category A SW2	
1199		6.1	3	11	Category A	
201	FURALDEHYDES	3			Category B	
1201	FUSEL OIL	3			Cotogony	
1201	FUSEL OIL	3		111	Category A	
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT	3		111	Category A	
1203	MOTOR SPIRIT or GASOLINE or	3			Category E	
1204	PETROL NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1%	3			Category B	
1206	nitroglycerin	3		11	Category B	
	HEPTANES				<b>.</b> .	
207	HEXALDEHYDE	3		111	Category A	
208	HEXANES	3		11	Category E	
1210	PRINTING INK flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		1	Category E	
1210	PRINTING INK flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		11	Category B	
210	PRINTING INK flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		111	Category A	
212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3		111	Category A	
213		3			Category B	
1214	ISOBUTYL ACETATE	3	8	11	Category B SW2	
216	ISOBUTYLAMINE	3			Category B	
	ISOOCTENES		ļ	"		
218	ISOPRENE, STABILIZED	3			Category E	
219	ISOPROPANOL (ISOPROPYL	3	1	11	Category B	
	ALCOHOL)		1	1		

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1221	a, b, c)	3	8	1	Category E	
	ISOPROPYLAMINE				SW2	
1222	ISOPROPYL NITRATE	3		11	Category D	
1223	KEROSENE	3		111	Category A	
1224		3		11	Category B	
1224	KETONES, LIQUID, N.O.S.	3		111	Category A	
1228	KETONES, LIQUID, N.O.S. MERCAPTANS, LIQUID,	3	6.1		Category B	SG50
	FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TO				SW2	SG57
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID,	3	6.1	111	Category B SW2	SG50 SG57
1229	FLAMMABLE, N.O.S	3			Category A	
1230	MESITYL OXIDE	3	6.1		Category B	
	METHANOL	5			SW2	
1231		3		11	Category B	
1233	METHYL ACETATE	3			Category A	
1234	METHYLAMYL ACETATE	3			Category E	
1235	METHYLAL	3			Category E	SG35
	METHYLAMINE, AQUEOUS SOLUTION					SG54
1237	METHYL BUTYRATE	3		II	Category B	
1238	METHYL CHLOROFORMATE	6.1	"3/8	1	Category D SW2	SG5 SG8
1239	METHYL CHLOROMETHYL ETHER	6.1	3	1	Category D SW2	
1242		4.3	"3/8	I	Category D SW2	SG5 SG7 SG8 SG13
1243	METHYLDICHLOROSILANE	3		1	Category E	
1244	METHYL FORMATE	6.1	"3/8	1	Category D SW2	SG5 SG8 SG13 SG35
1245	METHYLHYDRAZINE	3			Category B	
1246	METHYL ISOBUTYL KETONE METHYL ISOPROPENYL	3			Category B	
1240	KETONE, STABILIZED	3		 		
	METHYL METHACRYLATE MONOMER, STABILIZED				Category B SW2	
1248	METHYL PROPIONATE	3		II	Category B	
1249	METHYL PROPYL KETONE	3		II	Category B	
1250	METHYLTRICHLOROSILANE	3	8	11	Category B SW2	
1251	METHYL VINYL KETONE, STABILIZED	6.1	"3/8	1	Category D SW2	SG5 SG8
1259		6.1	3P	1	Category D SW2	SG63
1261	NICKEL CARBONYL	3			Category A	
262	NITROMETHANE	3			Category B	
1263	OCTANES PAINT (including paint, lacquer,	3				
1203	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3			Category E	

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1263	a, b, c) PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3		11	Category B	
1263	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3		111	Category A	
1264	PARALDEHYDE	3			Category A	
1265	PENTANES, liquid	3		1	Category E	
1265	PENTANES, liquid	3		11	Category E	
1266	PERFUMERY PRODUCTS with flammable solvents	3		11	Category B	
1266	PERFUMERY PRODUCTS with flammable solvents	3			Category A	
1267	PETROLEUM CRUDE OIL	3		1	Category E	
1267	PETROLEUM CRUDE OIL	3		11	Category B	
1267	PETROLEUM CRUDE OIL	3			Category A	
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		I	Category E	
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		11	Category B	
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		111	Category A	
1272	PINE OIL	3			Category A	
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3		11	Category B	
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3			Category A	
1275	PROPIONALDEHYDE	3		11	Category E	
1276	n-PROPYL ACETATE	3		11	Category B	
1277	PROPYLAMINE	3	8	11	Category E SW2	
1278	1-CHLOROPROPANE	3		11	Category E	
1279	1,2-DICHLOROPROPANE	3		11	Category B	
1280	PROPYLENE OXIDE	3		1	Category E SW2	
1281	PROPYL FORMATES	3		11	Category B	
1282	PYRIDINE	3		11	Category B SW2	
1286	ROSIN OIL	3			Category B	
1286	ROSIN OIL	3			Category A	
1287	RUBBER SOLUTION	3		11	Category B	
1287	RUBBER SOLUTION	3			Category A	
1288	SHALE OIL	3		11	Category B	
1288	SHALE OIL	3			Category A	
1289	SHALE OIL SODIUM METHYLATE SOLUTION in alcohol	3	8	11	Category B	
289	SODIUM METHYLATE	3	8	111	Category A	
1292		3			Category A	
1293	TETRAETHYL SILICATE TINCTURES, MEDICINAL	3			Category B	

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1293	a, b, c)	3			Category A	
004	TINCTURES, MEDICINAL					
294	TOLUENE	3		Ш	Category B	
1295		4.3	"8/3	1	Category D SW2	SG5 SG7 SG8 SG13 SG72
296	TRICHLOROSILANE	3	8		Category B	
	TRIETHYLAMINE	-			SW2	
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION not more than 50% trimethylamine, by mass	3	8		Category D SW2	SG54
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION not more than 50% trimethylamine, by mass	3	8	11	Category B SW2	SG54
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION not more than 50% trimethylamine, by mass	3	8	111	Category A SW2	SG54
1298	,	3	8	11	Category E	
	TRIMETHYLCHLOROSILANE				SW2	
1299		3		111	Category A	
1300	TURPENTINE	3			Category B	
1300	TURPENTINE SUBSTITUTE	3			Category A	
	TURPENTINE SUBSTITUTE				<b>U</b> ,	
1301	VINYL ACETATE, STABILIZED	3		11	Category B	
1302	VINYL ETHYL ETHER, STABILIZED	3		I	Category D	
1303	VINYLIDENE CHLORIDE, STABILIZED	3	Р	1	Category E SW2	
1304	VINYL ISOBUTYL ETHER,	3		11	Category B	
1305	STABILIZED	3	8		Category B SW2	
1306	VINYLTRICHLOROSILANE WOOD PRESERVATIVES,	3			Category B	
1306	LIQUID WOOD PRESERVATIVES,	3		111	Category A	
1307	LIQUID	3		11	Category B	
1307	XYLENES	3				
	XYLENES				Category A	
1308	ZIRCONIUM, SUSPENDED IN A FLAMMABLE LIQUID	3		1	Category D	
308	ZIRCONIUM, SUSPENDED IN A FLAMMABLE LIQUID	3		11	Category B	
1308	ZIRCONIUM, SUSPENDED IN A	3			Category B	
1309	FLAMMABLE LIQUID	4.1		11	Category A H1	SG17 SG32 SG35 SG36 SG52
1309	ALCONTRONT OWDER, OUATED	4.1		111	Category A H1	SG17 SG32 SG35 SG36 SG52
1310	ALUMINIUM POWDER, COATED AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	4.1		1	Category D	SG7 SG30
1312		4.1		111	Category A	
1313	BORNEOL	4.1			Category A	
314	CALCIUM RESINATE	4.1			Category A	
1314	CALCIUM RESINATE, FUSED COBALT RESINATE,	4.1			Category A	
1320	PRECIPITATED	4.1		1	Category E	SG7
-	DINITROPHENOL, WETTED with not less than 15% water, by mass					SG30

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1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1	6.1P	1	Category E	SG7 SG30
1322	DINITRORESORCINOL, WETTED with not less than 15%	4.1		1	Category E	SG7 SG30
1323	water, by mass	4.1			Category A	
1324	FERROCERIUM FILMS, NITROCELLULOSE BASE	4.1		111	Category D	SG7
1325	gelatin coated, except scrap FLAMMABLE SOLID, ORGANIC,	4.1			Category B	
1325	N.O.S. FLAMMABLE SOLID, ORGANIC,	4.1			Category B	
1326	N.O.S. HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than	4.1			Category E	SG17
1327	840 microns	4.1			Category A SW10	SG23
1328	HAY, STRAW or BHUSA	4.1			Category A	
1330	HEXAMETHYLENETETRAMINE	4.1			Category A	
1331	MANGANESE RESINATE	4.1			Category B	
1332	MATCHES, 'STRIKE ANYWHERE'	4.1			Category A	
1333	METALDEHYDE	4.1			Category A	SG15
1000	CERIUM slabs, ingots or rods					SG17
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1		111	Category A SW23	
1336	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	4.1		1	Category E	SG7 SG30
1337	NITROSTARCH, WETTED with	4.1		1	Category D	SG7 SG30
1338	not less than 20% water, by mass	4.1			Category A	SG17
1339	PHOSPHORUS, AMORPHOUS PHOSPHORUS HEPTASULPHIDE free from	4.1		11	Category B	SG17
1340	yellow or white phosphorus PHOSPHORUS PENTASULPHIDE free from	4.3			Category D	
1341	yellow or white phosphorus PHOSPHORUS SESQUISULPHIDE free from	4.1		11	Category B	SG17
1343	yellow or white phosphorus PHOSPHORUS TRISULPHIDE free from yellow or white	4.1			Category B	SG17
344	phosphorus TRINITROPHENOL (PICRIC ACID), WETTED with not less than	4.1		1	Category E	SG7 SG30
1345	30% water, by mass RUBBER SCRAP powdered or granulated, not exceeding 840 microns and rubber content exceeding 45% or RUBBER SHODDY powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1		11	Category A	
1346	SILICON POWDER, AMORPHOUS	4.1			Category A	SG17
1347	SILVER PICRATE, WETTED with	4.1		1	Category D	SG7 SG30
1348	not less than 30% water, by mass SODIUM DINITRO-o- CRESOLATE, WETTED with not	4.1	6.1P	1	Category E	SG7 SG30
1349	less than 15% water, by mass SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1		1	Category E	SG7 SG30

LINI	PROPER SHIPPING NAME (Note: When there is more than	Class	Subsidier	Deal-	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
	a, b, c)			_	Handling	
1350		4.1		111	Category A	SG17
					SW1 SW23	
	SULPHUR					
1352	TITANIUM POWDER, WETTED with not less than 25% water (a	4.1		Ш	Category E	SG17
	visible excess of water must be					
	present) (a) mechanically					
	produced, particle size less than 53 microns; (b) chemically					
	produced, particle size less than					
	840 microns					
1353	FIBRES or FABRICS	4.1		111	Category D	
	NITRATED NITROCELLULOSE,					
1354	N.O.S. TRINITROBENZENE, WETTED	4.1			Category E	SG7
1304	with not less than 30% water, by	4.1		1	Calegory E	SG30
	mass					
1355	TRINITROBENZOIC ACID, WETTED with not less than 30%	4.1		I	Category E	SG7 SG30
	water, by mass					5630
1356	TRINITROTOLUENE (TNT),	4.1		1	Category E	SG7
	WETTED with not less than 30% water, by mass					SG30
1357		4.1		1	Category E	SG7
	UREA NITRATE, WETTED with not less than 20% water, by mass					SG30
1358	ZIRCONIUM POWDER, WETTED	4.1			Category E	SG17
	with not less than 25% water (a				0,1	
	visible excess of water must be present) (a) mechanically					
	produced, particle size less than					
	53 microns; (b) chemically					
	produced, particle size less than 840 microns					
1360		4.3	6.1	1	Category E	SG35
1000					SW2	
	CALCIUM PHOSPHIDE				SW5	
1361		4.2		II	Category A	
	CARBON animal or vegetable				SW1 H2	
1361	origin	4.2			Category A	
	CARBON animal or vegetable				SW1	
1362	origin	4.2			H2 Category A	
					SW1	
1363	CARBON, ACTIVATED	4.2			H2 Category A	
1303		4.2			SW1	
					SW9	
1364	COPRA	4.2		111	H1 Category A	SG41
1004	COTTON WASTE, OILY	7.2			Category A	0041
1365		4.2		Ш	Category A	
1369	COTTON, WET	4.2			Category D	SG29
					<b>U</b> .	
1372	FIBRES ANIMAL or FIBRES VEGETABLE burnt, wet or damp	4.2		111	Category A	
1373	FIBRES or FABRICS, ANIMAL or	4.2		111	Category A	
	VEGETABLE or SYNTHETIC N.O.S. with oil					
1374	FISHMEAL, UNSTABILIZED	4.2			Category B	SG65
	(FISHSCRAP, UNSTABILIZED)				SW1	
	High hazard. Unrestricted moisture content, Unrestricted fat content in				SW24	
	excess of 12%, by mass;					
	unrestricted fat content in excess					
	of 15%, by mass, in the case of antioxidant treated fishmeal or					
	fishscrap					
1374	FISHMEAL, UNSTABILIZED	4.2		111	Category A	
	(FISHSCRAP, UNSTABILIZED) High hazard Unrestricted moisture				SW1 SW24	
	content, Unrestricted fat content in					
	excess of 12%, by mass;					
	unrestricted fat content in excess of 15%, by mass, in the case of					
	antioxidant treated fishmeal or					
1070		10			Cotore 5	
1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from	4.2		111	Category E	
	coal gas purification		1	1		

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1378	a, b, c) METAL CATALYST, WETTED	4.2		11	Category C	
1379	with a visible excess of liquid PAPER, UNSATURATED OIL TREATED incompletely dried	4.2		111	Category A	
1380	(including carbon paper)	4.2	6.1		Category D	
1381	PENTABORANE PHOSPHORUS, WHITE or	4.2	6.1P		Category E	
	YELLOW, DRY or UNDER WATER or IN SOLUTION		0.1F	1		
1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystall	4.2		11	Category A	SG35
1383	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.	4.2		1	Category D	
1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)	4.2		Ш	Category E H1	
1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30%	4.2		11	Category A	SG35
1386	water of crystallizatio SEED CAKE, containing vegetable oil (a) mechanically expelled seeds, containing more tha	4.2			Category E SW1 SW25 H1	
1386	SEED CAKE, containing vegetable oil (b) solvent extractions and expelled seeds, containi	4.2			Category A SW1 SW25 H1	
1387		4.2			Category A	
1389	WOOL WASTE, WET ALKALI METAL AMALGAM, LIQUID	4.3		1	Category D	SG35
1390		4.3		11	Category E SW2	SG35
1391	ALKALI METAL AMIDE ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION	4.3		1	Category D	SG35
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3		1	Category D	SG35
1393	ALKALINE EARTH METAL	4.3		11	Category E	SG35
1394	ALLOY, N.O.S. ALUMINIUM CARBIDE	4.3		11	Category A	SG35
1395	ALUMINIUM FERROSILICON POWDER	4.3	6.1	11	Category A SW2 SW5 H1	SG32 SG35 SG36
1396	ALUMINIUM POWDER,	4.3		11	Category A	SG32 SG35 SG36
1396	ALUMINIUM POWDER,	4.3		111	Category A	SG32 SG35 SG36
1397	UNCOATED	4.3	6.1	1	Category E SW2 SW5	SG35
1398	ALUMINIUM PHOSPHIDE ALUMINIUM SILICON POWDER, UNCOATED	4.3			Category A SW2 SW5 H1	SG32 SG35 SG36
1400	BARIUM	4.3		11	Category E	SG35
1401	CALCIUM	4.3		11	Category E	SG35
1402	CALCIUM CARBIDE	4.3		1	Category B	SG35
1402	CALCIUM CARBIDE	4.3		11	Category B	SG35
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3		111	Category A	SG35
1404	CALCIUM HYDRIDE	4.3			Category E	SG35
1405	CALCIUM SILICIDE	4.3		11	Category B SW5 H1	SG35
1405	CALCIUM SILICIDE	4.3		111	Category B SW5 H1	SG35

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1407	CAESIUM	4.3		I	Category D	SG35
1408	FERROSILICON with 30% or more but less than 90% silicon	4.3	6.1	111	Category A SW2 SW5 H1	SG35 SG36
1409	METAL HYDRIDES, WATER- REACTIVE, N.O.S.	4.3		1	Category D	SG35
1409	METAL HYDRIDES, WATER- REACTIVE, N.O.S.	4.3		II	Category D	SG35
1410	LITHIUM ALUMINIUM HYDRIDE	4.3		I	Category E	SG35
1411	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	4.3	3		Category D SW2	
1413		4.3		1	Category E	SG35
1414	LITHIUM HYDRIDE	4.3		1	Category E	SG35
1415	LITHIUM	4.3		1	Category E	SG35
1417	LITHIUM SILICON	4.3		11	Category A SW5 H1	
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	I	Category A	SG32 SG35
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	11	Category A	SG32 SG35
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	111	Category A	SG32 SG35
1419	MAGNESIUM ALUMINIUM PHOSPHIDE	4.3	6.1	1	Category E SW2 SW5	SG35
1420	POTASSIUM METAL ALLOYS, LIQUID	4.3		1	Category D	SG35
1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3		1	Category D	SG35
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3		1	Category D	SG35
1423	RUBIDIUM	4.3		l	Category D	SG35
1426	SODIUM BOROHYDRIDE	4.3		l	Category E	SG35
1427	SODIUM HYDRIDE	4.3		1	Category E	SG35
1428	SODIUM	4.3		1	Category D	SG35
1431	SODIUM METHYLATE	4.2	8	11	Category B	
1432		4.3	6.1		Category E SW2 SW5	SG35
1433	SODIUM PHOSPHIDE	4.3	6.1	1	Category E SW2 SW5	SG35
1435	STANNIC PHOSPHIDE	4.3				
1435	ZINC ASHES	4.3	4.2		Category A Category A	SG35
	ZINC POWDER or ZINC DUST					SG36
1436	ZINC POWDER or ZINC DUST	4.3	4.2	11	Category A	SG35 SG36
436	ZINC POWDER or ZINC DUST	4.3	4.2	111	Category A	SG35 SG36
1437	ZIRCONIUM HYDRIDE	4.1		11	Category E	
438	ALUMINIUM NITRATE	5.1			Category A	
439	AMMONIUM DICHROMATE	5.1		11	Category A	SG35
442	AMMONIUM PERCHLORATE	5.1		11	Category E	SG49 SG60
444	AMMONIUM PERSULPHATE	5.1		111	Category A	

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1445	si 10 j 0 j	5.1	6.1	11	Category A	SG38 SG49
	BARIUM CHLORATE, SOLID					3049
1446	BARIUM NITRATE	5.1	6.1	11	Category A	
1447		5.1	6.1	11	Category A	SG38 SG49
	BARIUM PERCHLORATE, SOLID					
1448		5.1	6.1	11	Category D	SG38 SG49 SG60
1449	BARIUM PERMANGANATE	5.1	6.1		Category A H1	SG16 SG35 SG59
	BARIUM PEROXIDE					
1450	BROMATES, INORGANIC, N.O.S.	5.1		11	Category A	SG38 SG49
1451	CAESIUM NITRATE	5.1		111	Category A	
1452		5.1		11	Category A	SG38 SG49
1453		5.1		11	Category A	SG38 SG49
1454		5.1			Category A SW23	
1455	CALCIUM NITRATE	5.1			Category A	SG38 SG49
1456	CALCIUM PERCHLORATE	5.1			Category D	SG38
	CALCIUM PERMANGANATE					SG49 SG60
1457		5.1		11	Category A H1	SG16 SG35 SG59
1458	CALCIUM PEROXIDE CHLORATE AND BORATE MIXTURE	5.1			Category A	SG38 SG49
1458	CHLORATE AND BORATE	5.1		111	Category A	SG38 SG49
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		11	Category A	SG38 SG49
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		111	Category A	SG38 SG49
1461	CHLORATES, INORGANIC, N.O.S.	5.1		II	Category A	SG38 SG49
1462	CHLORITES, INORGANIC, N.O.S.	5.1		11	Category A	SG38 SG49
1463	CHROMIUM TRIOXIDE,	5.1	6.1/8	11	Category A	SG6 SG16 SG19
1465	ANHYDROUS DIDYMIUM NITRATE	5.1		111	Category A	
466	FERRIC NITRATE	5.1			Category A	
467		5.1			Category A	SG45
469	GUANIDINE NITRATE	5.1	6.1P		Category A	
1470	LEAD NITRATE	5.1	6.1P		Category A	SG38 SG49
1471	LEAD PERCHLORATE, SOLID LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1		11	Category A SW1 SW8	SG35 SG38 SG49 SG53 SG60

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471		5.1			Category A	SG35
					SW1 SW8	SG38 SG49
	LITHIUM HYPOCHLORITE, DRY				0.110	SG53
						SG60
472	MIXTURE	5.1			Category A	SG16
		0.1			H1	SG35
						SG59
473	LITHIUM PEROXIDE	5.1			Category A	SG38
470		0.1			outogory / t	SG49
474	MAGNESIUM BROMATE	<b></b>				
474		5.1		111	Category A SW23	
	MAGNESIUM NITRATE				01120	
475		5.1		II	Category A	SG38
	MAGNESIUM PERCHLORATE					SG49
476		5.1			Category A	SG16
					H1	SG35
	MAGNESIUM PEROXIDE					SG59
477		5.1			Category A	SG38
						SG49
477	NITRATES, INORGANIC, N.O.S.	E 4			Catagony	SG38
4//		5.1			Category A	SG38 SG49
	NITRATES, INORGANIC, N.O.S.					
479		5.1		I	Category D	SG38
						SG49 SG60
						SG61
	OXIDIZING SOLID, N.O.S.					
1479		5.1		П	Category B	SG38 SG49
						SG60
						SG61
470	OXIDIZING SOLID, N.O.S.	<b></b>				0.000
1479		5.1		111	Category B	SG38 SG49
						SG60
						SG61
1481	OXIDIZING SOLID, N.O.S.	5.1			Category A	SG38
1-01	PERCHLORATES, INORGANIC,	0.1			Category A	SG49
	N.O.S.					
1481	PERCHLORATES, INORGANIC,	5.1		111	Category A	SG38 SG49
	N.O.S.					5649
482		5.1		II	Category D	SG38
	PERMANGANATES, INORGANIC,					SG49 SG60
	N.O.S.					3600
482		5.1		111	Category D	SG38
	DEDMANCANATES INODCANIC					SG49 SG60
	PERMANGANATES, INORGANIC, N.O.S.					3660
483		5.1		11	Category A	SG16
					H1	SG35
	PEROXIDES, INORGANIC, N.O.S.					SG59
483		5.1		111	Category A	SG16
					H1	SG35
	PEROXIDES, INORGANIC, N.O.S.					SG59
484		5.1		11	Category A	SG38
						SG49
485	POTASSIUM BROMATE	5.1		11	Category A	SG38
		5.1		''	Salegory A	SG49
	POTASSIUM CHLORATE				-	
486		5.1		111	Category A SW23	
	POTASSIUM NITRATE				30023	
487		5.1		II	Category A	SG38
	POTASSIUM NITRATE AND					SG49
488	SODIUM NITRITE MIXTURE	5.1			Category A	SG38
					5	SG49
400	POTASSIUM NITRITE	<b>F</b> 4			Ontern	0000
489		5.1		11	Category A	SG38 SG49
	POTASSIUM PERCHLORATE					0040

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1490		5.1		11	Category D	SG38
						SG49 SG60
491	POTASSIUM PERMANGANATE	5.1			Cotogon/ P	SG16
1491		5.1		ľ	Category B H1	SG35
	POTASSIUM PEROXIDE					SG59
1492		5.1			Category A	SG39
	POTASSIUM PERSULPHATE					SG49
1493		5.1		11	Category A	
1494	SILVER NITRATE	5.1		11	Category A	SG38
	000					SG49
1495	SODIUM BROMATE	5.1			Category A	SG38
						SG49
1496	SODIUM CHLORATE	5.1			Category A	SG38
	SODIUM CHLORITE					SG49
1498		5.1		111	Category A	
	SODIUM NITRATE				SW23	
1499		5.1		111	Category A	
	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE				SW23	
1500	FOTASSION NITRATE MIXTORE	5.1	6.1		Category A	SG38
	SODIUM NITRITE					SG49
1502		5.1		11	Category A	SG38
	SODIUM PERCHLORATE					SG49
1503		5.1		11	Category D	SG38
						SG49 SG60
	SODIUM PERMANGANATE				-	
1504		5.1			Category B H1	SG16 SG35
						SG59
1505	SODIUM PEROXIDE	5.1			Category A	SG39
	SODIUM PERSULPHATE					SG49
1506	SODIOM PERSOLFHATE	5.1			Category A	SG38
	STRONTIUM CHLORATE					SG49
1507		5.1			Category A	
1508	STRONTIUM NITRATE	5.1		11	Category A	SG38
1000		0.1			Category / C	SG49
1509	STRONTIUM PERCHLORATE	5.1			Category A	SG16
					H1	SG35
	STRONTIUM PEROXIDE					SG59
1510		6.1	5.1	I	Category D	SG16
	TETRANITROMETHANE				SW2	
1511	UREA HYDROGEN PEROXIDE	5.1	8	111	Category A H1	
1512		5.1			Category	
1513	ZINC AMMONIUM NITRITE	5.1			Category A	SG38
		5.1		"	Subgory A	SG49
1514	ZINC CHLORATE	5.1			Category A	
	ZINC NITRATE					
1515		5.1		Ш	Category D	SG38 SG49
						SG60
1516	ZINC PERMANGANATE	5.1			Category A	SG16
-					H1	SG35
	ZINC PEROXIDE					SG59
1517	ZIRCONIUM PICRAMATE,	4.1		1	Category D	SG7
	WETTED with not less than 20% water, by mass					SG30
	i	6.1	Р	tı 👘	Category D	SG35
1541		0.1		ľ	SW1	SG36

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1544	a, b, c) ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1		1	Category A	
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1		11	Category A	
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOIDS SALTS, SOLID, N.O.S.	6.1		111	Category A	
1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1	3	11	Category D SW2	
1546		6.1		11	Category A	SG36
1547	AMMONIUM ARSENATE	6.1		11	Category A SW2	SG35
1548	ANILINE	6.1		111	Category A	
1549	ANILINE HYDROCHLORIDE ANTIMONY COMPOUND,	6.1			Category A	
1550	INORGANIC, SOLID, N.O.S.	6.1				
	ANTIMONY LACTATE	_			Category A	
1551	ANTIMONY POTASSIUM TARTRATE	6.1			Category A	
1553	ARSENIC ACID, LIQUID	6.1		I	Category B	SG33
1554		6.1		11	Category A	
1555	ARSENIC ACID, SOLID	6.1		11	Category A SW1 SW2 H2	
1556	ARSENIC BROMIDE ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s.,Arsenites, n.o.s.,	6.1		1	Category B SW2	SG70
1556	and Arsenic sulphides, n.o.s. ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s.,Arsenites, n.o.s., and Arsenic sulphides, n.o.s.	6.1		11	Category B SW2	SG70
1556	ARSENIC COMPOUND, LIQUID, N.O.S. inorganic, including: Arsenates, n.o.s.,Arsenites, n.o.s., and Arsenic sulphides, n.o.s.	6.1		111	Category B SW2	SG70
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		1	Category A	SG70
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		11	Category A	SG70
1557	ARSENIC COMPOUND, SOLID, N.O.S. inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		111	Category A	SG70
1558	ARSENIC	6.1		11	Category A	
1559		6.1			Category A	
1560	ARSENIC PENTOXIDE	6.1		1	Category B SW2	
561	ARSENIC TRICHLORIDE	6.1			Category A	
1562	ARSENIC TRIOXIDE	6.1		 	Category A	
	ARSENICAL DUST					
1564	BARIUM COMPOUND, N.O.S.	6.1		II	Category A	
564	BARIUM COMPOUND, N.O.S.	6.1			Category A	
565		6.1	P	1	Category A SW2	SG35
1566	BARIUM CYANIDE	6.1			Category A	

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	6.1		111	Category A	
	6.1	4.1		Category A	
BERYLLIUM POWDER	6.1	3P		Category D	
BROMOACETONE				SW2	
	6.1		1	Category A	
BARIUM AZIDE, WETTED with	4.1	6.1	1	Category D	SG7 SG30
	6.1		11	Category E	SG35
	6.1	P	11	Category A	
CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE,	6.1	P		Category A	
SOLID	6.1	P		Category A	SG35
CALCIUM CYANIDE				SW2	
CHLORODINITROBENZENES, LIQUID	6.1	Ρ	II	Category A	SG15
CHLORONITROBENZENES, SOLID	6.1		11	Category A	
4-CHLORO-0-TOLUIDINE HYDROCHLORIDE, SOLID	6.1			Category A	
	6.1	P	1	Category D SW2	
CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more	2.3			Category D SW1 SW2	
CHLOROPICRIN AND METHYL	2.3			Category D SW1 SW2	
CHLOROPICRIN MIXTURE,	6.1		I	Category C SW2	
CHLOROPICRIN MIXTURE,	6.1		11	Category C SW2	
CHLOROPICRIN MIXTURE,	6.1		111	Category C SW2	
	6.1	Р	11	Category A	
	6.1	P	11	Category A	
	6.1	P		Category A	SG35
COPPER CYANIDE CYANIDES, INORGANIC, SOLID,	6.1	P	1	Category A	SG35
N.O.S. CYANIDES INORGANIC SOLID	6.1	P		<i></i>	SG35
N.O.S.				<i></i>	
N.O.S.					SG35
CYANOGEN CHLORIDE, STABILIZED				SW2	
	6.1	Ρ	11	Category A SW2	
	6.1			Category A	
	6.1			Category A	
	6.1			Category C	
DIETHYL SULPHATE	6.1	8	1	Category D SW2	
	6.1		11	Category A	SG15
	6.1		11	Category A	SG15
	6.1			Category A	SG15
DINITROBENZENES, LIQUID					
DINTROBENZENES, EIQUID	6.1	Р	11	Category A	
	(Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c) BERYLLIUM COMPOUND, N.O.S. BERYLLIUM POWDER BROMOACETONE BRUCINE BARIUM AZIDE, WETTED with not less than 50% water, by mass CACODYLIC ACID CALCIUM ARSENATE CALCIUM ARSENATE AND CALCIUM ARSENATE AND CALCIUM ARSENATE AND CALCIUM CYANIDE CHLORODINITROBENZENES, IQUID CHLORODINITROBENZENES, SOLID 4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin CHLOROPICRIN MIXTURE, N.O.S. CHLOROPICRIN MIXTURE, N.O.S. CHLOROPICRIN MIXTURE, N.O.S. CHLOROPICRIN MIXTURE, N.O.S. COPPER ACETOARSENITE COPPER ACETOARSENITE COPPER ARSENITE COPPER ARSENITE COPPER CYANIDE CYANIDES, INORGANIC, SOLID, N.O.S. CYANIDES, INORGANIC, SOLID, N.O.S. CYANIDES, INORGANIC, SOLID, N.O.S.	(Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)Class or divisionBERYLLIUM COMPOUND, N.O.S.6.1BERYLLIUM POWDER6.1BROMOACETONE6.1BRUCINE4.1BARIUM AZIDE, WETTED with not less than 50% water, by mass6.1CACODYLIC ACID6.1CALCIUM ARSENATE AND CALCIUM ARSENATE AND CALCIUM ARSENATE AND CALCIUM CYANIDE6.1CHLORODINITROBENZENES, SOLID6.1CHLORODINITROBENZENES, SOLID6.1CHLORODINITROBENZENES, SOLID6.1CHLORODICRIN AND METHYL CHLOROPICRIN AND METHYL CHLOROPICRIN AND METHYL CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1CHLOROPICRIN MIXTURE, N.O.S.6.1COPPER ACETOARSENITE6.1COPPER ACETOARSENITE6.1COPPER ACETOARSENITE6.1COPPER ACETOARSENITE6.1COPPER ACETOARSENITE6.1CYANIDES, INORGANIC, SOLID, N.O.S.6.1CYANIDES, INORGANIC, SOLID, N.O.S.6.1CYANIDES, INORGANIC, SOLID, N.O.S.6.1CYANIDES, INORGANIC, SOLID, N.O.S.6.1DICHLOROMETHANE DICHLOROMETHANE6.1DICHLOROMETHANE DICHLOROMETHANE6.1DICHLOROMETHANE DICHLOROMETHANE6.1DICHLOROMETHA	(Note: When there is more than one packing group or PSN the a, b, c)         Class or division         Subsidiary risk(s)           BERYLLIUM COMPOUND, N.O.S.         6.1         4.1           BERYLLIUM POWDER         6.1         3P           BROMOACETONE         6.1         3P           BRUCINE         6.1         6.1           BRUM AZIDE, WETTED with not less than 50% water, by mass         6.1         P           CACODYLIC ACID         6.1         P           CALCIUM ARSENATE         6.1         P           CALCIUM ARSENATE MIXTURE, SOLID         6.1         P           CALCIUM ARSENATE MIXTURE, SOLID         6.1         P           CHLORODINITROBENZENES, SOLID         6.1         P           CHLORONITROBENZENES, SOLID         6.1         P           CHLOROPICRIN         6.1         P           CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin         2.3         P           CHLOROPICRIN MIXTURE, N.O.S.         6.1         P	(Note: When there is more than one packing group or PSN the a, b, c)Class or divisionSubsidiary risk(s)Packing GroupBERYLLIUM COMPOUND, N.O.S.6.1IIIBERYLLIUM COMPOUND, N.O.S.6.14.1BERYLLIUM POWDER6.13PBROMOACETONE6.13PBRUCINE6.11BARIUM AZIDE, WETTED with not less than 50% water, by mass1CACCDYLIC AGID6.1PCALCIUM ARSENATE6.1PCALCIUM ARSENATE AND CALCIUM CYANIDE6.1PCHLORONITROBENZENES, LIQUID6.1PIICHLORONITROBENZENES, CHLOROPICRIN6.1PIICHLORONITROBENZENES, CHLOROPICRIN AND METHYL BOMIDE MIXTURE, NO.S.6.1PIICHLOROPICRIN AND METHYL CHLOROPICRIN MIXTURE, NO.S.6.1IIIIIICHLOROPICRIN MIXTURE, N.O.S.6.1PIICHLOROPICRIN MIXTURE, N.O.S.6.1PIICHLOROPICRIN MIXTURE, N.O.S.6.1PIICOPPER ARSENITE6.1PIICYANDES, INORGANIC, SOLID, N.O.S.6.1PIICYANDES, INORGANIC, SOLID, N.O.S.6.1PIICHLOROPICRIN MIXTURE, N.O.S.6.1PIICOPPER ARSENITE6.1PIICHLOROPICRIN MIXTURE, N.O.S.6.1PII <td>INDE:When there is more than one packing group or PSNL a, b, c)Class or divisionSubsidiary risk(s)Packing GroupStowage hand HandlingBERYLLIUM COMPOUND, N.O.S.6.14.1IICategory ABERYLLIUM COMPOUND, N.O.S.6.14.1IICategory ABERYLLIUM COMPOUND6.13PIICategory ABERYLLIUM COMPOUND6.14.16.1IICategory ABRUCINE6.14.16.1IICategory ABRUCINE6.1PIICategory ACACODYLIC ACID6.1PIICategory ACALCUM ARSENATE6.1PIICategory ACALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM CYANIDE6.1PIICategory ACHLORONITROBENZENES, SOLID6.1PIICategory ASW2CHLOROCHORNITROBENZENES, COLDOCHORNITROBENZENES, CHLOROPICRIN AND METHYL BROMIDE MIXTURE WITHOR CHLOROPICRIN AND METHYL CHLOROPICRIN AND METHYL CHLOROPICRIN MIXTURE, N.O.S.2.3IIICategory C SW1 SW1CHLOROPICRIN NAND METHYL CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXT</td>	INDE:When there is more than one packing group or PSNL a, b, c)Class or divisionSubsidiary risk(s)Packing GroupStowage hand HandlingBERYLLIUM COMPOUND, N.O.S.6.14.1IICategory ABERYLLIUM COMPOUND, N.O.S.6.14.1IICategory ABERYLLIUM COMPOUND6.13PIICategory ABERYLLIUM COMPOUND6.14.16.1IICategory ABRUCINE6.14.16.1IICategory ABRUCINE6.1PIICategory ACACODYLIC ACID6.1PIICategory ACALCUM ARSENATE6.1PIICategory ACALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM ARSENATE AND CALCUM CYANIDE6.1PIICategory ACHLORONITROBENZENES, SOLID6.1PIICategory ASW2CHLOROCHORNITROBENZENES, COLDOCHORNITROBENZENES, CHLOROPICRIN AND METHYL BROMIDE MIXTURE WITHOR CHLOROPICRIN AND METHYL CHLOROPICRIN AND METHYL CHLOROPICRIN MIXTURE, N.O.S.2.3IIICategory C SW1 SW1CHLOROPICRIN NAND METHYL CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXTURE, N.O.S.6.1PIIICategory C SW2CHLOROPICRIN MIXT

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1599		6.1	P	111	Category A	SG30
600	DINITROPHENOL SOLUTION	6.1		11	Category C	
1601	DINITROTOLUENES, MOLTEN	6.1		1	Category A	
	DISINFECTANT, SOLID, TOXIC, N.O.S.				SW2	
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		11	Category A SW2	
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		111	Category A SW2	
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		1	Category A	
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		11	Category A	
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		111	Category A	
1603	ETHYL BROMOACETATE	6.1	3	11	Category D SW2	
1604	ETHYLENEDIAMINE	8	3	11	Category A SW2	SG35
1605		6.1		1	Category D SW2	
1606	FERRIC ARSENATE	6.1	Р	11	Category A	
1607		6.1	P		Category A	
608	FERRIC ARSENITE	6.1	P	11	Category A	
1611	FERROUS ARSENATE HEXAETHYL	6.1	P		Category E SW2	
1612	TETRAPHOSPHATE HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	2.3			Category D SW2	
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more th	6.1	P	1	Category D SW2	
1614	HYDROGEN CYANIDE, STABILIZED containing less than 3% water and absorbed in a porous iner	6.1	Ρ	1	Category D SW1 SW2	
1616	LEAD ACETATE	6.1	Р	III	Category A	
1617	LEAD ARSENATES	6.1	Р		Category A	
1618	LEAD ARSENITES	6.1	Р	11	Category A	
1620		6.1	Р		Category A	SG35
621		6.1	P		Category A	
1622		6.1	P	11	Category A	
1623	MAGNESIUM ARSENATE	6.1	P		Category A	
1624	MERCURIC ARSENATE	6.1	P		Category A	
625	MERCURIC CHLORIDE	6.1	P		Category A	
1626	MERCURIC NITRATE MERCURIC POTASSIUM	6.1	P	1	Category A	SG35
1627	CYANIDE	6.1	P		Category A	
1629	MERCUROUS NITRATE	6.1	P	" 	<b>U</b> <i>V</i>	
					Category A	
1630	MERCURY AMMONIUM CHLORIDE	6.1	Ρ	11	Category A	
1631	MERCURY BENZOATE	6.1	Р	II	Category A	
1634	MERCURY BROMIDES	6.1	Р	II	Category A	
1636	MERCURY CYANIDE	6.1	Р	11	Category A	SG35

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1637		6.1	Р	11	Category A	
1638	MERCURY GLUCONATE	6.1	P		Category A	
1639	MERCURY IODIDE	6.1	P		Category A	
	MERCURY NUCLEATE					
1640	MERCURY OLEATE	6.1	Ρ	11	Category A	
1641	MERCURY OXIDE	6.1	Р	11	Category A	
1642	MERCURY OXYCYANIDE, DESENSITIZED	6.1	P	11	Category A	SG15 SG35
1643		6.1	P	11	Category A	
1644	MERCURY POTASSIUM IODIDE	6.1	P		Category A	
1645	MERCURY SALICYLATE	6.1	P		Category A	
	MERCURY SULPHATE		P			
1646	MERCURY THIOCYANATE	6.1		II	Category A	
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1	Ρ	I	Category D SW2	
1648	ACETONITRILE	3		11	Category B SW2	
1649	MOTOR FUEL ANTI-KNOCK	6.1	P	1	Category D SW1 SW2	
1650		6.1			Category A	
1651	beta-NAPHTHYLAMINE, SOLID NAPHTHYLTHIOUREA	6.1			Category A	
1652		6.1		11	Category A	
1653	NAPHTHYLUREA NICKEL CYANIDE	6.1	P		Category A	SG35
1654		6.1		11	Category A	
1655	NICOTINE NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		1	Category B	
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		11	Category A	
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		111	Category A	
1656	NICOTINE HYDROCHLORIDE,	6.1		11	Category A	
1656	LIQUID or SOLUTION NICOTINE HYDROCHLORIDE,	6.1			Category A	
1657	LIQUID or SOLUTION	6.1		11	Category A	
1658	NICOTINE SALICYLATE NICOTINE SULPHATE SOLUTION	6.1		11	Category A	
1658	NICOTINE SULPHATE	6.1			Category A	
1659	SOLUTION	6.1			Category A	
1660	NICOTINE TARTRATE	2.3	5.1/8		Category D SW2	SG6 SG19
1661	NITRIC OXIDE, COMPRESSED	6.1			Category A	
1661	NITROANILINES (o-, m-, p-)	6.1			Category A Category A	
	NITROBENZENE				SW2	
1663	NITROPHENOLS (o-, m-, p-)	6.1			Category A	
1664	NITROTOLUENES, LIQUID	6.1		11	Category A	
1665	NITROXYLENES, LIQUID	6.1		11	Category A	
1669		6.1	Р	11	Category A SW2	
1670	PENTACHLOROETHANE	6.1	P	1	Category D	
	PERCHLOROMETHYL MERCAPTAN				SW2	
671	PHENOL, SOLID	6.1		11	Category A	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1672	PHENYLCARBYLAMINE CHLORIDE	6.1		I	Category D SW2	
1673	PHENYLENEDIAMINES (o-, m-, p-	6.1			Category A	
1674	PHENYLMERCURIC ACETATE	6.1	Р	11	Category A	
1677	POTASSIUM ARSENATE	6.1		11	Category A	
1678	POTASSIUM ARSENITE	6.1		11	Category A	
1679	POTASSIUM CUPROCYANIDE	6.1	Р	11	Category A	SG35
1680	POTASSIUM CYANIDE, SOLID	6.1	Р	1	Category B	SG35
1683	SILVER ARSENITE	6.1	P	11	Category A	
1684		6.1	Р	11	Category A SW2	SG35
1685	SILVER CYANIDE	6.1			Category A	
1686	SODIUM ARSENATE SODIUM ARSENITE, AQUEOUS	6.1			Category A	
1686	SOLUTION SODIUM ARSENITE, AQUEOUS	6.1			Category A	
1687	SOLUTION	6.1		11	Category A	SG15 SG30
1000	SODIUM AZIDE	0.4				SG35
1688	SODIUM CACODYLATE	6.1			Category A	SG35
1689	SODIUM CYANIDE, SOLID	6.1	Ρ		Category B	SG35
1690	SODIUM FLUORIDE, SOLID	6.1			Category A	SG35
1691	STRONTIUM ARSENITE	6.1		II	Category A	
1692	STRYCHNINE or STRYCHNINE SALTS	6.1	Ρ	1	Category A	
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		1	Category D SW2	
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		11	Category D SW2	
1694	BROMOBENZYL CYANIDES, LIQUID	6.1		1	Category D SW1 SW2 H2	SG35
1695	CHLOROACETONE, STABILIZED	6.1	"3/8P	1	Category D SW2	SG5 SG8
1697	CHLOROACETOPHENONE, SOLID	6.1		11	Category D SW1 SW2 H2	
1698	DIPHENYLAMINE CHLOROARSINE	6.1	Р	I	Category D SW2	
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	Р	1	Category D SW2	
1700	TEAR GAS CANDLES	6.1	4.1	11	Category D SW2	
1701	XYLYL BROMIDE, LIQUID	6.1		11	Category D SW2	
1702	1,1,2,2-TETRACHLOROETHANE	6.1	Р	II	Category A SW2	
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	Ρ	11	Category D SW2	
1707	THALLIUM COMPOUND, N.O.S.	6.1	Ρ	11	Category A	
1708	TOLUIDINES, LIQUID	6.1		11	Category A	
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1			Category A	
1710	TRICHLOROETHYLENE	6.1		111	Category A SW2	

1712       ZII         1713       ZII         1713       ZII         1714       X         1715       AC         1716       AC         1717       AC         1717       AC         1718       BU         1719       C/         1719       C/         1719       C/         1717       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AN         1728       AN         1730       AN	a, b, c)  YLIDINES, LIQUID INC ARSENATE OF ZINC RSENITE OF ZINC ARSENATE, INC ARSENITE MIXTURE INC CYANIDE INC PHOSPHIDE CETIC ANHYDRIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	6.1 6.1 4.3 8 8 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	P 6.1 3 8 8 "3/8 8		Category A Category A Category A Category E SW2 SW5 Category A SW2 Category C SW2 Category B SW2 Category A Category A Category A Category A Category A Category A	SG35 SG35 SG35 SG35 SG35 SG22 SG35 SG22 SG35 SG35 SG35 SG35
1712       ZII         1713       ZII         1713       ZII         1714       ZII         1715       AC         1716       AC         1717       AC         1718       BU         1719       C/         1719       C/         1719       AC         1719       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	INC ARSENATE or ZINC RSENITE or ZINC ARSENATE, INC ARSENITE MIXTURE INC CYANIDE INC PHOSPHIDE CETIC ANHYDRIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYL TRICHLOROSILANE, TABILIZED	6.1 4.3 8 8 3 8 8 8 8 8 8 6.1 3	6.1 3 8 8 "3/8		Category A Category E SW2 SW5 Category A SW2 Category C SW2 Category B SW2 Category A Category A Category A Category A Category A	SG35 SG35 SG22 SG35 SG22 SG35 SG22 SG35 SG5
1713       ZII         1714       ZII         1715       AC         1715       AC         1716       AC         1717       AC         1717       AC         1717       AC         1718       BL         1719       C/         1719       C/         1719       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	INC CYANIDE INC PHOSPHIDE CETIC ANHYDRIDE CETYL BROMIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYL TRICHLOROSILANE, TABILIZED	4.3 8 8 3 8 8 8 6.1 3	6.1 3 8 8 "3/8		Category E SW2 SW5 Category A SW2 Category C SW2 Category B SW2 Category A Category A Category A Category A Category A	SG35 SG35 SG22 SG35 SG22 SG35 SG22 SG35 SG5
1714       ZII         1715       AC         1716       AC         1717       AC         1719       C/         1719       C/         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	INC PHOSPHIDE CETIC ANHYDRIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYL TRICHLOROSILANE, TABILIZED	8 8 3 8 8 8 6.1 3	3 8 8		SW2 SW5 Category A SW2 Category C SW2 Category B SW2 Category A Category A Category A Category A	SG22 SG35 SG22 SG35 SG22 SG35 SG5
1715       AC         1716       AC         1717       AC         1717       AC         1717       AC         1718       BU         1719       C/         1719       C/         1712       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	CETIC ANHYDRIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	8 3 8 8 8 6.1 3	8		SW5 Category A SW2 Category C SW2 Category B SW2 Category A Category A Category A Category A	SG35 SG22 SG35 SG5
1715       AC         1716       AC         1717       AC         1717       AC         1717       AC         1718       BU         1719       C/         1719       C/         1712       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	CETIC ANHYDRIDE CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	8 3 8 8 8 6.1 3	8		SW2 Category C SW2 Category B SW2 Category A Category A Category A Category D	SG35 SG22 SG35 SG5
1716       AC         1717       AC         1717       BL         1718       BL         1719       CA         1719       CA         1719       CA         1719       CA         1723       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	CETYL BROMIDE CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	3 8 8 8 6.1 3	"3/8		SW2 Category B SW2 Category A Category A Category A Category D	SG35 SG22 SG35 SG5
1717       AC         1718       BL         1719       C/         1719       C/         1719       C/         1719       AL         1722       AL         1723       AL         1724       AL         1725       AL         1726       AL         1727       AL         1728       AL         1729       AL         1730       AL	CETYL CHLORIDE UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	8 8 6.1 3	"3/8		SW2 Category A Category A Category A Category D	SG35 SG22 SG35 SG5
1718     BL       1719     C/       1719     C/       1719     C/       1721     AL       1723     AL       1724     AL       1725     AL       1726     AL       1727     AL       1728     AL       1729     AL       1730     AL	UTYL ACID PHOSPHATE AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	8 8 6.1 3			Category A Category A Category D	SG35 SG22 SG35 SG5
1719 C/ 1719 C/ 1722 AL 1723 AL 1724 AL ST 1725 AL AN 1726 AL AN 1727 AL AN 1728 AN 1729 AN 1730 AN	AUSTIC ALKALI LIQUID, N.O.S. AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	8 6.1 3		111	Category A Category D	SG35 SG22 SG35 SG5
1719 C/ 1722 AL 1723 AL 1724 AL 1725 AL AN 1726 AL AN 1727 AN H <sup>1</sup> 1728 AN 1729 AN 1729 AN	AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	6.1		1	Category A Category D	SG22 SG35 SG5
1719 C/ 1722 AL 1723 AL 1724 AL 1725 AL AN 1726 AL AN 1727 AN H <sup>1</sup> 1728 AN 1729 AN 1729 AN	AUSTIC ALKALI LIQUID, N.O.S. LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	6.1		1	Category D	SG35 SG5
1722     AL       1723     AL       1724     AL       1725     AL       1726     AL       1727     AL       1728     AL       1729     AL       1730     AL	LLYL CHLOROFORMATE LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED	3		1		
1723 AL 1724 AL 51 1725 AL AN 1726 AL AN 1727 AN HY 1728 AN 1729 AN 1729 AN	LLYL IODIDE LLYLTRICHLOROSILANE, TABILIZED		8			
1724 AL ST 1725 AL AN 1726 AL AN 1727 AN HY 1728 AN 1729 AN 1729 AN	LLYLTRICHLOROSILANE, TABILIZED	8		11	Category B SW2	
1725 AL AN 1726 AL AN 1727 AN 1727 AN 1728 AN 1729 AN 1730 AN			3	11	Category C SW2	
1726 AL AN 1727 AN HY 1728 AN 1729 AN 1730 AN	LUMINIUM BROMIDE,	8		11	Category A SW2	
1727 AN HY 1728 AN 1729 AN 1730 AN	NHYDROUS LUMINIUM CHLORIDE,	8		11	Category A SW2	
1728 AN 1729 AN 1730	NHYDROUS MMONIUM YDROGENDIFLUORIDE, SOLID	8		11	Category A SW1 SW2	SG35
1729 AN 1730 AN		8		11	Category C SW2	
1730 AN	MYLTRICHLOROSILANE	8			Category C SW2	
	NISOYL CHLORIDE	8			Category C SW2	
		8		11	Category C SW2	
1731 AN		8		111	Category C SW2	
1732	OLUTION	8	6.1	11	Category D SW2	SG6 SG8 SG10 SG12
1733		8			Category C SW2	
1736	NTIMONY TRICHLORIDE	8			Category C SW2	
BE	ENZOYL CHLORIDE	6.1			Category D SW2	
BE	ENZYL BROMIDE	6.1	8	11	H1 Category D SW2	
BE		8	P		H1 Category D SW2	

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1740	a, b, c)	8		11	Category A	SG35
	HYDROGENDIFLUORIDES, SOLID, N.O.S.				SW1 SW2	
1740		8		Ш	Category A SW1	SG35
	HYDROGENDIFLUORIDES, SOLID, N.O.S.				SW2	
1741		2.3	8		Category D SW1 SW2	
1742	BORON TRICHLORIDE BORON TRIFLUORIDE ACETIC	8			Category A	
	ACID COMPLEX, LIQUID					
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8		11	Category A	
1744		8	6.1	I	Category D	SG6
					SW1 SW2	SG16 SG17
					H2	SG19
1745	SOLUTION	5.1	6.1/8		Category D	SG6
					SW1 SW2	SG16 SG19
	BROMINE PENTAFLUORIDE					
1746		5.1	6.1/8	1	Category D SW1	SG6 SG16
					SW1 SW2	SG16 SG19
1747	BROMINE TRIFLUORIDE	8	3		Category C	
., /		U	5	"	SW2	
1748	BUTYLTRICHLOROSILANE	5.1			Category D	SG35
1740	CALCIUM HYPOCHLORITE, DRY	0.1		"	SW1	SG38
	or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than				SW11	SG49 SG53
	39% available chlorine (8.8%					SG60
1748	available oxygen)	5.1			Category D	SG35
17 10	CALCIUM HYPOCHLORITE, DRY	0.1			SW1	SG38
	or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than				SW11	SG49 SG53
	39% available chlorine (8.8%					SG60
1749	available oxygen)	2.3	5.1/8		Category D	SG6
	CHLORINE TRIFLUORIDE				SW2	SG19
1750		6.1	8	11	Category C	
	CHLOROACETIC ACID SOLUTION				SW2	
1751		6.1	8	11	Category C	
	CHLOROACETIC ACID, SOLID				SW2	
1752		6.1	8	1	Category D	
	CHLOROACETYL CHLORIDE				SW2	
1753		8	Р	11	Category C SW2	
	CHLOROPHENYLTRICHLOROSI LANE					
1754	CHLOROSULPHONIC ACID (with	8		1	Category C SW2	
	or without sulphur trioxide)					
1755		8		П	Category C SW2	SG6 SG8
						SG10
	CHROMIC ACID SOLUTION					SG12
1755		8			Category C	SG6
					SW2	SG8 SG10
						SG12
1756	CHROMIC ACID SOLUTION	8		11	Category A	SG35
1757	CHROMIC FLUORIDE, SOLID	8			Category A	
	CHROMIC FLUORIDE SOLUTION					
1757	CHROMIC FLUORIDE SOLUTION	8			Category A	
		8	İ	1	Category C	SG6
1758		0		ľ		
1758		0			SW2	SG16 SG17

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1759	a, b, c)	8		1	Category B	
1759	CORROSIVE SOLID, N.O.S.	8			Category A	
	CORROSIVE SOLID, N.O.S.					
1759	CORROSIVE SOLID, N.O.S.	8		111	Category A	
1760		8		1	Category B	
	CORROSIVE LIQUID, N.O.S.				SW2	
1760		8		11	Category B	
	CORROSIVE LIQUID, N.O.S.				SW2	
1760		8			Category A	
	CORROSIVE LIQUID, N.O.S.				SW2	
1761	CUPRIETHYLENEDIAMINE	8		11	Category A	
1761	SOLUTION CUPRIETHYLENEDIAMINE	8	6.1 P		Cotogony	
1701	SOLUTION	o	6.1 P		Category A	
1762	CYCLOHEXENYLTRICHLOROSIL ANE	8		11	Category C SW2	
1763		8		11	Category C	
	CYCLOHEXYLTRICHLOROSILAN E				SW2	
1764		8			Category A	
1765	DICHLOROACETIC ACID	8			Category D	
705	DICHLOROACETYL CHLORIDE	0		11	SW2	
766	DICHLOROPHENYLTRICHLORO SILANE	8	Ρ	II	Category C SW2	
767		8	3	11	Category C SW2	
768	DIETHYLDICHLOROSILANE	8			Category A	
	DIFLUOROPHOSPHORIC ACID, ANHYDROUS				SW2	
769	DIPHENYLDICHLOROSILANE	8		11	Category C SW2	
770	DIPHENYLMETHYL BROMIDE	8		11	Category D SW2	
1771		8		11	Category C SW2	
1773	DODECYLTRICHLOROSILANE FERRIC CHLORIDE,	8			Category A	
774	ANHYDROUS FIRE EXTINGUISHER CHARGES	8			Catagory	
1774	corrosive liquid	8		11	Category A	
775	FLUOROBORIC ACID	8		Ш	Category A	
776	FLUOROPHOSPHORIC ACID,	8			Category A	
1777	ANHYDROUS	8			Cotogon/D	
		O		ľ	Category D SW2	
1778	FLUOROSULPHONIC ACID	8			Category A	
	FLUOROSILICIC ACID				<b>U</b> ,	
1779	FORMIC ACID with more than 85% acid, by mass	8	3	11	Category A SW2	
780		8		11	Category C SW2	
781	FUMARYL CHLORIDE	8		11	Category C SW2	
782	HEXADECYLTRICHLOROSILANE HEXAFLUOROPHOSPHORIC ACID	8		11	Category A	
783	HEXAMETHYLENEDIAMINE	8			Category A	
783	SOLUTION HEXAMETHYLENEDIAMINE	8			Category A	
	SOLUTION					
784		8		11	Category C SW2	
	HEXYLTRICHLOROSILANE				3002	
786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	6.1	I	Category D SW2	
		8	1			

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1787	HYDRIODIC ACID	8		111	Category C	
788		8		II	Category C	
788		8			Category C	
789	HYDROBROMIC ACID	8			Category C	
1789	HYDROCHLORIC ACID	8			Category C	
1790	HYDROCHLORIC ACID	8	6.1		Category D	
	HYDROFLUORIC ACID solution, with more than 60% hydrogen fluoride	Ū			SW1 SW2 H2	
1790	HYDROFLUORIC ACID solution, with not more than 60% hydrogen fluoride	8	6.1	11	Category D SW1 SW2 H2	
1791		8		11	Category B	SG20
1791	HYPOCHLORITE SOLUTION	8			Category B	SG20
1792	HYPOCHLORITE SOLUTION	8		11	Category D SW2	SG6 SG16 SG17 SG19
1793	IODINE MONOCHLORIDE	8			Category A	
1794	ISOPROPYL ACID PHOSPHATE LEAD SULPHATE with more than	8		11	Category A	
1796	3% free acid	8	5.1		Category D	SG16
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8			SW2 Category D	
1750	NITRATING ACID MIXTURE with not more than 50% nitric acid	0		"	SW2	
1798	NITROHYDROCHLORIC ACID	8		1	Category D SW2	SG6 SG16 SG17 SG19
1799	NONYLTRICHLOROSILANE	8		11	Category C SW2	
1800	OCTADECYLTRICHLOROSILAN E	8		11	Category C SW2	
1801		8		11	Category C SW2	
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	5.1	11	Category C	SG16
1803	PHENOLSULPHONIC ACID,	8		11	Category C SW15	
1804	PHENYLTRICHLOROSILANE	8		11	Category C SW2	
1805	PHOSPHORIC ACID SOLUTION	8		111	Category A	
1806	PHOSPHORIC ACID SOLUTION	8		11	Category C SW2	SG6 SG8 SG10 SG12
1807	PENTACHLORIDE	8			Category A	
1808	PHOSPHORUS PENTOXIDE	8			Category C SW2	
1809	PHOSPHORUS TRIBROMIDE	6.1	8	1	Category D SW2	
1810	PHOSPHORUS TRICHLORIDE	6.1	8		Category D SW2	
1811	PHOSPHORUS OXYCHLORIDE	8	6.1		Category A	SG35
1011	POTASSIUM HYDROGEN DIFLUORIDE, SOLID	0	0.1		SW1 SW2	0000
1812		6.1			Category A	SG35
	POTASSIUM FLUORIDE, SOLID POTASSIUM HYDROXIDE,	8	ļ		Category A	SG35

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1814	POTASSIUM HYDROXIDE	8		11	Category A	SG35
814	SOLUTION POTASSIUM HYDROXIDE	8		111	Category A	SG35
045	SOLUTION	0	0			
815		3	8	11	Category B SW2	
816	PROPIONYL CHLORIDE	8	3		Category C	_
1010		0	3	"	SW2	
817	PROPYLTRICHLOROSILANE	8			Category C	
017		0			SW2	
818	PYROSULPHURYL CHLORIDE	8			Category C	SG72
0.0		Ū.			SW2	
819	SILICON TETRACHLORIDE	8			Category A	SG35
040	SODIUM ALUMINATE SOLUTION					0.005
819	SODIUM ALUMINATE SOLUTION	8			Category A	SG35
823	SODIUM HYDROXIDE, SOLID	8		11	Category A	SG35
824	SODIUM HYDROXIDE	8			Category A	SG35
824	SOLUTION SODIUM HYDROXIDE	8			Category A	SG35
_	SOLUTION	_				
825	SODIUM MONOXIDE	8		11	Category A	SG35
826	NITRATING ACID MIXTURE,	8	5.1	1	Category D	SG16
	SPENT with more than 50% nitric acid				SW2	
1826	NITRATING ACID MIXTURE,	8		11	Category D	
	SPENT with not more than 50% nitric acid				SW2	
1827	STANNIC CHLORIDE,	8		11	Category C	
828	ANHYDROUS	8		1	Category C	
					SW2	
1829	SULPHUR CHLORIDES	8		1	Category C	
	SULPHUR TRIOXIDE, STABILIZED				SW2	
1830		8		11	Category C	
	SULPHURIC ACID with more than 51% acid				SW15	
1831		8	6.1	1	Category C	
					SW2 SW15	
	SULPHURIC ACID, FUMING					
1832		8		11	Category C SW15	
	SULPHURIC ACID, SPENT					
1833		8		11	Category B SW2	
1004	SULPHUROUS ACID	6.4	0		Cata sa su D	
1834		6.1	8		Category D SW2	
1835	SULPHURYL CHLORIDE TETRAMETHYLAMMONIUM	8			Category A	SG35
	HYDROXIDE SOLUTION				Category A	
835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8		111	Category A	SG35
836		8		1	Category C	
	THIONYL CHLORIDE				SW2	
1837		8		11	Category C	
	THIOPHOSPHORYL CHLORIDE				SW2	
838		6.1	8	1	Category D	
	TITANIUM TETRACHLORIDE				SW2	
839	TRICHLOROACETIC ACID,	8		11	Category A	
840	SOLID	8			Category A	
841	ZINC CHLORIDE SOLUTION	9				8000
	ACETALDEHYDE AMMONIA				Category A	SG29
843		6.1	Р	II	Category B	SG15 SG16
						SG30
	AMMONIUM DINITRO-0- CRESOLATE, SOLID					SG63
845		9			Category C	
	CARBON DIOXIDE, SOLID (DRY ICE)				SW2	

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1040	a, b, c)	<u> </u>	P			
846		6.1	P		Category A SW2	
847	CARBON TETRACHLORIDE POTASSIUM SULPHIDE,	8			Cotogony	SG35
1047	HYDRATED with not less than	o			Category A	3635
	30% water of crystallization					
848	PROPIONIC ACID with not less than 10% and less than 90% acid,	8		111	Category A	
	by mass					
849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8		11	Category A	SG35
851		6.1		11	Category C	
	MEDICINE, LIQUID, TOXIC, N.O.S.				SW2	
851		6.1		111	Category C	
	MEDICINE, LIQUID, TOXIC, N.O.S.				SW2	
854	N.O.S.	4.2		1	Category D	
	BARIUM ALLOYS, PYROPHORIC					
855	CALCIUM, PYROPHORIC or CALCIUM ALLOYS,	4.2			Category D	
	PYROPHORIC					
856	RAGS, OILY	4.2			Category A	
857		4.2			Category A	
050	TEXTILE WASTE, WET HEXAFLUOROPROPYLENE				O a ta ma ma A	
858	(REFRIGERANT GAS R 1216)	2.2			Category A	
859		2.3	8		Category D	
	SILICON TETRAFLUORIDE				SW2	
860		2.1			Category E	
					SW2	
862	VINYL FLUORIDE, STABILIZED	3			Category B	
	ETHYL CROTONATE					
863	FUEL, AVIATION, TURBINE ENGINE	3			Category E	
863	FUEL, AVIATION, TURBINE	3		11	Category B	
863	ENGINE FUEL, AVIATION, TURBINE	3			Category A	
	ENGINE					
865		3			Category D	SG6 SG8 SG10 SG12
866	n-PROPYL NITRATE	3			Category E	
	RESIN SOLUTION flammable					
866	RESIN SOLUTION flammable	3		Ш	Category B	
866		3		111	Category A	
868	RESIN SOLUTION flammable	4.1	6.1	11	Category A	SG17
000	DECABORANE	4.1	0.1		Calegory A	3017
869		4.1		Ш	Category A	SG17
	MAGNESIUM or MAGNESIUM					SG32 SG35
	ALLOYS with more than 50%					SG36
	magnesium in pellets, turnings or					SG52
870	ribbons	4.3		1	Category E	SG35
	POTASSIUM BOROHYDRIDE					
871	TITANIUM HYDRIDE	4.1		11	Category E	
872		5.1		ш	Category A	
873	LEAD DIOXIDE PERCHLORIC ACID with more than 50% but not more than 72%	5.1	8	1	Category D	SG16
884	acid, by mass	6.1			Category A	
	BARIUM OXIDE					
885	BENZIDINE	6.1		11	Category A	
886		6.1	1		Category D	
					SW2	
887	BENZYLIDENE CHLORIDE	6.1			Category A	
	BROMOCHLOROMETHANE		ļ			
888		6.1		ш	Category A SW2	

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1889		6.1	8P	I	Category D	SG35
	CYANOGEN BROMIDE				SW2	
1891		6.1		11	Category B	
					SW2 SW5	
	ETHYL BROMIDE					
1892		6.1	Р	I	Category D SW2	
	ETHYLDICHLOROARSINE				0112	
1894	PHENYLMERCURIC HYDROXIDE	6.1	Р	П	Category A	
1895	HIDROAIDE	6.1	P	11	Category A	
	PHENYLMERCURIC NITRATE		-			
1897		6.1	Р	111	Category A SW2	
	TETRACHLOROETHYLENE					
1898		8		Ш	Category C SW2	
	ACETYL IODIDE				3002	
1902		8		Ш	Category A	
1903	DIISOOCTYL ACID PHOSPHATE DISINFECTANT, LIQUID,	8		1	Category B	
	CORROSIVE, N.O.S.					
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8		Ш	Category B	
1903	DISINFECTANT, LIQUID,	8			Category A	
1005	CORROSIVE, N.O.S.				O a ta sa mu A	
1905	SELENIC ACID	8		1	Category A	
1906		8		11	Category C	
	SLUDGE ACID				SW15	
1907	SODA LIME with more than 4%	8			Category A	SG35
1000	sodium hydroxide				O ata mara D	000
1908		8		11	Category B	SG6 SG8 SG10 SG12 SG20
1908	CHLORITE SOLUTION	8			O a ta sa mu D	SG6
	CHLORITE SOLUTION				Category B	SG8 SG8 SG10 SG12 SG20
<u>1910</u> 1911	CALCIUM OXIDE	8 2.3	2.1		- Category D	SG46
1311		2.5	2.1		SW2	00+0
1912	DIBORANE METHYL CHLORIDE AND	2.1			Catagory	_
1912	METHYLENE CHLORIDE MIXTURE	2.1			Category D SW2	
1913		2.2			Category D	
1914	NEON, REFRIGERATED LIQUID	3			Category A	
	BUTYL PROPIONATES					
1915	CYCLOHEXANONE	3		111	Category A	
1916		6.1	3		Category A	
1917	2,2'-DICHLORODIETHYL ETHER	3			Catagony P	
1917		3		"	Category B SW2	
1012	ETHYL ACRYLATE, STABILIZED					
1918	ISOPROPYLBENZENE	3		111	Category A	
1919	METHYL ACRYLATE,	3		11	Category B	
1920	STABILIZED	3			Category A	
520	NONANES					
1921		3	6.1	1	Category B SW2	
1922	PROPYLENEIMINE, STABILIZED	3	8		Category B	SG35
—		-			SW2	
1923	PYRROLIDINE CALCIUM DITHIONITE	4.2			Category E	
1323	(CALCIUM HYDROSULPHITE)	4.2		"	H1	
928	METHYLMAGNESIUM BROMÍDE	4.3	3	I	Category D	
	IN ETHYL ETHER	4.2		111	Category E	
1929		7/		111	Subgory L	

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	9			Category A	SG11
ZINC DITHIONITE (ZINC HYDROSULPHITE)				H1	SG20
, 	4.2		111	Category D	
ZIRCONIUM, SCRAP	6.1	P		Category B	SG35
				SW2	
CYANIDE SOLUTION, N.O.S.	6.1	P		Category A	SG35
				SW2	
CTANIDE SOLUTION, N.O.S.	6.1	P		Category A	SG35
				SW2	
CTANIDE SOLUTION, N.O.S.	8			Category A	
				SW2	
BROMOACE TIC ACID SOLUTION	8			Category A	
				SW2	
BROMOACETIC ACID SOLUTION	8		11	Category C	
				SW1	
PHOSPHORUS OXYBROMIDE,				5002 H2	
SOLID	0			Catagory	
THIOGLYCOLIC ACID	ð			Calegory A	
	9			Category A	
DIBROMODIFLUOROMETHANE				SVV I	
	5.1		111	Category C	SG16
					SG42 SG45
					SG45 SG47
					SG48
					SG51
					SG56
					SG58
					SG59 SG61
					3661
MATCHES, SAFETY (book, card	4.1		111	Category A	
or strike on box)	4.1			Category B	
MATCHES, WAX 'VESTA'		0.500			
	2	SP63		- SW1	SG69
				SW22	
	2.2			Catagory	_
LIQUID	2.2			Category D	
	2.2			Category A	
	2.3	2.1		Category D	
COMPRESSED GAS, TOXIC,				SW2	
FLAMIMABLE, N.O.S.	2.1			Category D	
COMPRESSED GAS,				SW2	
FLAMMABLE, N.O.S.	2.2			Cotogon/ D	_
COMPRESSED GAS, TOXIC,	2.3			SW2	
N.O.S.					
COMPRESSED GAS NOS	2.2			Category A	
	2.1			Category E	
				SW2	
	22			Category A	
TETRAFLUOROETHANE	<i>L</i> . <i>L</i>				
(REFRIGERANT GAS R 114)	0.4			Cotore	
1	2.1			Category E SW2	
1.1-DIFLUOROFTHYI FNF				52	
1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)					
(REFRIGERANT GAS R 1132a)	2.1			Category D	
(REFRIGERANT GAS R 1132a) ETHANE, REFRIGERATED	2.1			Category D SW2	
(REFRIGERANT GAS R 1132a)	2.1			SW2 Category E	
(REFRIGERANT GAS R 1132a) ETHANE, REFRIGERATED				SW2	
	UN No. has been annotated with a, b, c) ZINC DITHIONITE (ZINC HYDROSULPHITE) ZIRCONIUM, SCRAP CYANIDE SOLUTION, N.O.S. CYANIDE SOLUTION, N.O.S. CYANIDE SOLUTION, N.O.S. CYANIDE SOLUTION, N.O.S. BROMOACETIC ACID SOLUTION BROMOACETIC ACID SOLUTION BROMOACETIC ACID SOLUTION PHOSPHORUS OXYBROMIDE, SOLID THIOGLYCOLIC ACID DIBROMODIFLUOROMETHANE AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organ MATCHES, SAFETY (book, card or strike on box) MATCHES, WAX 'VESTA' AEROSOLS ARGON, REFRIGERATED LIQUID ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S. COMPRESSED GAS, TOXIC, N.O.S. COMPRESSED GAS, N.O.S. DEUTERIUM, COMPRESSED 1,2-DICHLORO-1, 1, 2, 2-	one packing group or PSN the UN No. has been annotated with a, b, c)division2INC DITHIONITE (ZINC HYDROSULPHITE)9ZIRCONIUM, SCRAP4.2ZIRCONIUM, SCRAP6.1CYANIDE SOLUTION, N.O.S.6.1CYANIDE SOLUTION, N.O.S.6.1CYANIDE SOLUTION, N.O.S.8BROMOACETIC ACID SOLUTION8BROMOACETIC ACID SOLUTION8BROMOACETIC ACID SOLUTION8DIBROMODIFLUOROMETHANE9DIBROMODIFLUOROMETHANE5.1AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organ MATCHES, SAFETY (book, card or strike on box)4.1MATCHES, WAX 'VESTA'4.1AEROSOLS2.2COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.2.3COMPRESSED GAS, TOXIC, N.O.S.2.3COMPRESSED GAS, TOXIC, N.O.S.2.1DEUTERIUM, COMPRESSED 1.2-DICHLORO-1,1,2,2-2.2	one packing group or PSN the a, b, c)         division         risk(s)           ZINC DITHIONITE (ZINC HYDROSULPHITE)         9	One packing group or PSN the a, b, c)         division         risk(s)         Group           ZINC DITHIONITE (ZINC HYDROSULPHITE)         9         III           ZIRCONIUM, SCRAP         4.2         III           CYANIDE SOLUTION, N.O.S.         6.1         P         I           CYANIDE SOLUTION, N.O.S.         6.1         P         II           CYANIDE SOLUTION, N.O.S.         6.1         P         III           CYANIDE SOLUTION, N.O.S.         8         II         III           BROMOACETIC ACID SOLUTION         8         III         III           BROMOACETIC ACID SOLUTION         8         III         III           PHOSPHORUS OXYBROMIDE, SOLID         9         III         III           DIBROMODIFLUOROMETHANE         5.1         III         III           MATCHES, SAFETY (book, card or strike on box)         4.1         III         III           MATCHES, WAX 'VESTA'         2         SP63         III           AEROSOLS         2.1         III         III           AEROSOLS         2.1         III         III           COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.         2.3         2.1         III           COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.         2.3	one packing group or PSN the UN No. has been annotated with a.b. c)         division         risk(s)         Group         and Handling           ZINC DITHIONITE (ZINC HYDROSULPHITE)         9         III         Category D           ZIRCONIUM, SCRAP         4.2         III         Category D           CYANIDE SOLUTION, N.O.S.         6.1         P         I         Category A           CYANIDE SOLUTION, N.O.S.         6.1         P         II         Category A           CYANIDE SOLUTION, N.O.S.         6.1         P         III         Category A           CYANIDE SOLUTION, N.O.S.         8         III         Category A           BROMOACETIC ACID SOLUTION         8         III         Category A           BROMOACETIC ACID SOLUTION         8         III         Category A           SW2         SW2         SW2         SW2           PHOSPHORUS OXYBROMIDE, SOLID         8         III         Category A           PHOSPHORUS OXYBROMIDE, SOLID         9         III         Category A           MATCHES, SAFETY (DOK, card or strike on box)         4.1         IIII         Category A           MATCHES, SAFETY (DOK, card or strike on box)         4.1         IIII         Category A           MATCHES, SAFETY (DOK, card or strike on bo

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
1964	a, b, c)	2.1			Category E	
	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.				SW2	
1965		2.1			Category E	
	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.				SW2	
1966		2.1			Category D	SG46
	HYDROGEN, REFRIGERATED LIQUID				SW2	
1967		2.3			Category D	
	INSECTICIDE GAS, TOXIC, N.O.S.				SW2	
968	INSECTICIDE GAS, N.O.S.	2.2			Category A	
969		2.1			Category E	
	ISOBUTANE				SW2	
1970	KRYPTON, REFRIGERATED	2.2			Category D	
	LIQUID				ealogery D	
1971		2.1			Category E	
	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED				SW2	
	with high methane content					
1972	METHÂNE, REFRIGERATED	2.1			Category D	
	LIQUID or NATURAL GAS, REFRIGERATED LIQUID with				SW2	
	high methane conte					
973	CHLORODIFLUOROMETHANE	2.2			Category A	
	AND					
	CHLOROPENTAFLUOROETHAN E MIXTURE with a fixed boiling					
	point, with approximately 49%					
	chlorodifluoromethane					
	(REFRIGERANT GAS R 502)					
974	CHLORODIFLUOROBROMOMET HANE (REFRIGERANT GAS R	2.2			Category A	
	12B1)					
1975	NITRIC OXIDE AND	2.3			Category D	SG6
					SW2	SG19
	MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE					
1976	OCTAFLUOROCYCLOBUTANE	2.2			Category A	
	(REFRIGERANT GAS RC 318)					
1977	NITROGEN, REFRIGERATED LIQUID	2.2			Category D	
1978		2.1			Category E	
					SW2	
1982	PROPANE TETRAFLUOROMETHANE	2.2			Category A	
1002	(REFRIGERANT GAS R 14)	2.2			Category A	
983	1-CHLORO-2,2,2-	2.2			Category A	
	TRIFLUOROETHANE (REFRIGERANT GAS R 133a)					
984	TRIFLUOROMETHANE	2.2			Category A	
	(REFRIGERANT GAS R 23)					
986		3	6.1	I	Category E	
	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.				SW2	
986		3	6.1	11	Category B	
	ALCOHOLS, FLAMMABLE,				SW2	
986	TOXIC, N.O.S. ALCOHOLS, FLAMMABLE,	3	6.1	111	Cotogony	
900	TOXIC, N.O.S.	3	0.1	111	Category A	
987		3		11	Category B	
987	ALCOHOLS, N.O.S.	3		111	Category A	
	ALCOHOLS, N.O.S.		6.1			
1988	ALDEHYDES, FLAMMABLE,	3	6.1	ľ	Category E SW2	
	TOXIC, N.O.S.				0112	
988	ALDEHYDES, FLAMMABLE,	3	6.1	11	Category B SW2	
	TOXIC, N.O.S.					
988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	111	Category A	
989		3		1	Category E	
	ALDEHYDES, N.O.S.	-	ļ			
		3		11	Category B	
989						-
989 989	ALDEHYDES, N.O.S.	3			Category A	
	ALDEHYDES, N.O.S. ALDEHYDES, N.O.S.	3		111	Category A Category A	

UN	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the	Class or	Subsidiary	Packing	Stowage and	Segregation
Number	UN No. has been annotated with a, b, c)	division	risk(s)	Group	Handling	Segregation
991	a, b, c <i>j</i>	3	6.1	1	Category D SW2	
1992	CHLOROPRENE, STABILIZED	3	6.1	1	Category E	
	FLAMMABLE LIQUID, TOXIC, N.O.S.	Ū		ľ	SW2	
1992	FLAMMABLE LIQUID, TOXIC,	3	6.1	11	Category B SW2	
1992	N.O.S. FLAMMABLE LIQUID, TOXIC,	3	6.1		Category A	
1993	N.O.S.	3		1	Category E	
1993	FLAMMABLE LIQUID, N.O.S.	3			Category B	
1993	FLAMMABLE LIQUID, N.O.S. FLAMMABLE LIQUID, N.O.S.	3			Category A	
1994	FLAIVIIVIABLE LIQUID, N.U.S.	6.1	3	1	Category D SW2	
1999	IRON PENTACARBONYL TARS, LIQUID, including road oils	3			Category B	
1999	and cutback bitumens TARS, LIQUID, including road oils	3		" 	Category A	
2000	and cutback bitumens	4.1			Category A	
	CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap					
2001	COBALT NAPHTHENATES, POWDER	4.1		111	Category A	
2002	CELLULOID, SCRAP	4.2			Category D	
2004	MAGNESIUM DIAMIDE	4.2		11	Category C	
2006	PLASTICS, NITROCELLULOSE- BASED, SELF-HEATING, N.O.S.	4.2		111	Category C	
2008	ZIRCONIUM POWDER, DRY	4.2		1	Category D	
2008	ZIRCONIUM POWDER, DRY	4.2		11	Category D	
2008	ZIRCONIUM POWDER, DRY	4.2			Category D	
2009	ZIRCONIUM, DRY finished sheets, strip or coiled wire	4.2			Category D	
2010	MAGNESIUM HYDRIDE	4.3		1	Category E	SG35
2011		4.3	6.1		Category E SW2 SW5	SG35
2012	MAGNESIUM PHOSPHIDE	4.3	6.1		Category E	SG35
					SW2 SW5	
2013	POTASSIUM PHOSPHIDE	4.3	6.1	1	Category E	SG35
					SW2 SW5	
2014	STRONTIUM PHOSPHIDE HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not	5.1	8		Category D	SG16
	less than 20% but not more than 60% hydroge				SW1	SG59 SG72
2015	HYDROGEN PEROXIDE,	5.1	8	1	Category D SW1	SG16 SG59
	STABILIZED or HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with mo					
2016	AMMUNITION, TOXIC, NON- EXPLOSIVE without burster or	6.1		11	Category E SW2	
2017	expelling charge, non-fuzed AMMUNITION, TEAR- PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1			H1 Category E SW2 H1	
2018	CHLOROANILINES, SOLID	6.1		11	Category A	
2019	CHLOROANILINES, LIQUID	6.1		11	Category A	SG35
2020	CHLOROPHENOLS, SOLID	6.1			Category A	
2021	CHLOROPHENOLS, LIQUID	6.1			Category A	
2022	CRESYLIC ACID	6.1	8	11	Category B	

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2023	a, b, c)	6.1	3P		Category A	
2024	EPICHLOROHYDRIN	6.1	P		SW2 Category B	
2024	MERCURY COMPOUND, LIQUID, N.O.S.	0.1	1	1	SW2	
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	Ρ	11	Category B SW2	
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	P	111	Category B SW2	
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	Р	1	Category A	
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	Р		Category A	
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	Ρ		Category A	
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	Р	1	Category A	
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	Ρ	11	Category A	
2026	PHENYLMERCURIC	6.1	Ρ		Category A	
2027	COMPOUND, N.O.S. SODIUM ARSENITE, SOLID	6.1		11	Category A	
2028	BOMBS, SMOKE, NON- EXPLOSIVE with corrosive liquid, without initiating device	8			Category E SW2	
2029		8	3/6.1	1	Category D SW2	SG5 SG8 SG35
2030	HYDRAZINE, ANHYDROUS HYDRAZINE, AQUEOUS SOLUTION with more than 37%	8	6.1	1	Category D SW2	SG35
2030	hydrazine, by mass HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1		Category D SW2	SG35
2030	HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	111	Category D SW2	SG35
2031	NITRIC ACID other than red fuming, with more than 70% nitric acid	8	5.1	I	Category D	SG6 SG16 SG17 SG19
2031	NITRIC ACID other than red fuming, with at least 65% but not more than 70% nitric acid	8	5.1	11	Category D	SG6 SG16 SG17 SG19
2031	NITRIC ACID other than red fuming, with less than 65% nitric acid	8		11	Category D	
2032		8	5.1/6.1	1	Category D SW2	SG6 SG16 SG17 SG19
2033	NITRIC ACID, RED FUMING	8		11	Category A	SG22 SG35
2034	POTASSIUM MONOXIDE	2.1			Category E SW2	SG46
2035	MIXTURE, COMPRESSED	2.1			Category B SW2	
2036	(REFRIGERANT GAS R 143a)	2.2			Category A	
2037	XENON RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release	2			Category B SW2	
2038	device, non refill	6.1		11	Category A	
2044	DINITROTOLUENES, LIQUID	2.1			Category E	
	2,2-DIMETHYLPROPANE	-			SW2	
2045	ISOBUTYL ALDEHYDE (ISOBUTYRALDEHYDE)	3		11	Category E SW2	

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2046		3	Р		Category A	
2047	CYMENES	3			Category B	
2047	DICHLOROPROPENES	3			Category A	
	DICHLOROPROPENES					
2048	DICYCLOPENTADIENE	3		III	Category A	
2049	DIETHYLBENZENES	3		111	Category A	
2050	DIISOBUTYLENES, ISOMERIC COMPOUNDS	3		11	Category B	
2051	2-DIMETHYLAMINOETHANOL	8	3	II	Category A	
2052	DIPENTENE	3	Р	111	Category A	
2053	METHYL ISOBUTYL CARBINOL	3			Category A	
2054		8	3	1	Category A	
2055	MORPHOLINE STYRENE MONOMER,	3			Category A	
2056	STABILIZED	3			Category B	
	TETRAHYDROFURAN					
2057	TRIPROPYLENE	3		II	Category B	
2057	TRIPROPYLENE	3		III	Category A	
2058	VALERALDEHYDE	3		11	Category B	
2059	NITROCELLULOSE SOLUTION,	3		1	Category E	
	FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and n					
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and n	3		11	Category B	
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and n	3		111	Category A	
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1			Category C SW1 SW14 SW23	SG16 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61
2071	AMMONIUM NITRATE BASED FERTILIZER	9		111	Category A SW26	
2073	AMMONIA SOLUTION relative density less than 0.880 at 15°C in water, with more than 35% b	2.2			Category E SW2	SG35 SG46
2074	ACRYLAMIDE, SOLID	6.1		111	Category A SW1 H2	
2075	CHLORAL, ANHYDROUS,	6.1			H2 Category D SW2	
2076	STABILIZED	6.1	8		Category B	
2077	CRESOLS, LIQUID	6.1		111	Category A	
2078	alpha-NAPHTHYLAMINE	6.1			Category C	
2078		0.1			SW1 SW2	
2079	TOLUENE DIISOCYANATE	8			Category A	SG35
	DIETHYLENETRIAMINE				SW2	
2186	HYDROGEN CHLORIDE,	2.3	8		-	
2187	REFRIGERATED LIQUID CARBON DIOXIDE,	2.2			Category D	
	REFRIGERATED LIQUID		2.1			
2188	ARSINE	2.3	<u>ک. ۱</u>		Category D SW2	

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UN Number	one packing group or PSN the UN No. has been annotated with a, b, c)	division	risk(s)	Group	and Handling	Segregation
2189	a, b, c)	2.3	2.1/8		Category D	SG4
					SW2	SG9 SG72
2190	DICHLOROSILANE	2.3	5.1/8		Category D	SG6
2100	OXYGEN DIFLUORIDE, COMPRESSED	2.5	5.170		SW2 H1	SG19
2191		2.3			Category D SW2	
2192	SULPHURYL FLUORIDE	2.3	2.1		Category D	
2192	GERMANE	2.3	2.1		SW2	
2193	HEXAFLUOROETHANE	2.2			Category A	
	(REFRIGERANT GAS R 116)		0			
2194	SELENIUM HEXAFLUORIDE	2.3	8		Category D SW2	
2195		2.3	8		Category D	
					SW2	
2196	TELLURIUM HEXAFLUORIDE	2.3	8		Category D	
	TUNGSTEN HEXAFLUORIDE	2.0	-		SW2	
2197		2.3	8		Category D	
	HYDROGEN IODIDE, ANHYDROUS				SW2	
2198	PHOSPHORUS	2.3	8		Category D SW2	
2199	PENTAFLUORIDE	2.3	2.1		Category D	
2199	PHOSPHINE	2.3	2.1		SW2	
2200	FHOSFHINE	2.1			Category B	
					SW2	
2201	PROPADIENE, STABILIZED	2.2			Category D	
	NITROUS OXIDE, REFRIGERATED LIQUID	2.2			SW2	
2202	HYDROGEN SELENIDE,	2.3	2.1		Category D SW2	
	ANHYDROUS				02	
2203		2.1			Category E SW2	SG43 SG46
2204	SILANE	2.3			Category D	
	CARBONYL SULPHIDE				SW2	
2205		6.1			Category A	
2206	ADIPONITRILE	6.1		11	Cotogony E	
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	0.1		"	Category E SW1 SW2	
2206		6.1			Category E	
	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION,				SW1 SW2	
2208	TOXIC, N.O.S.	5.1			Category D	SG35
					SW1	SG38
	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than				SW11	SG49 SG53
	10% but not more than 39%					SG60
2209	available chlorine FORMALDEHYDE SOLUTION	8			Category A	
2203	with not less than 25% formaldehyde	O			Calegory A	
2210	MANEB or MANEB	4.2	4.3 P		Category A	SG29
	PREPARATION with not less than 60% maneb					
2211	POLYMERIC BEADS,	9		111	Category E SW1	SG5 SG14
	EXPANDABLE evolving flammable vapour				SW6	
2212	BLUE ASBESTOS (crocidolite) or BROWN ASBESTOS (amosite,	9		11	Category A SW2	SG29
0040	mysorite)	A A			Cotomers	
2213		4.1			Category A SW23	
2214	PARAFORMALDEHYDE PHTHALIC ANHYDRIDE with	8			Category A	
• • •	more than 0.05% of maleic	-				

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2215		8		111	Category A	SG50 SG57
	MALEIC ANHYDRIDE					
2215		8		111	Category A	SG50 SG57
004.0	MALEIC ANHYDRIDE, MOLTEN					
2216	FISHMEAL (FISHSCRAP), STABILIZED Anti-oxidant treated. Moisture content greater than 5% but not exceeding 12%, by mass. Fat content not more than 15%	9			Category B SW24	SG18 SG65
2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2		111	Category A SW1 SW4 H1	
2218	moisture	8	3	11	Category C SW1 SW2	
2219	ACRYLIC ACID, STABILIZED	3			Category A	
	ALLYL GLYCIDYL ETHER					
2222	ANISOLE	3			Category A	
2224		6.1		11	Category A SW2	SG35
	BENZONITRILE					
2225	BENZENESULPHONYL CHLORIDE	8		111	Category A SW2	
2226		8		11	Category A SW2	
2227	BENZOTRICHLORIDE n-BUTYL METHACRYLATE,	3		111	Category A	
2232	STABILIZED	6.1		1	Category D SW2	
2233	2-CHLOROETHANAL	6.1			Cotogony	
	CHLOROANISIDINES				Category A	
2234	CHLOROBENZOTRIFLUORIDES	3		111	Category A SW2	
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	Р	ш	Category A	
2236	3-CHLORO-4- METHYLPHENYLISOCYANATE, LIQUID	6.1		11	Category B SW2	
2237		6.1	P		Category A	
2238	CHLORONITROANILINES	3		111	Category A	
2239	CHLOROTOLUENES					
	CHLOROTOLUIDINES, SOLID	6.1		111	Category A	
2240	CHROMOSULPHURIC ACID	8			Category B SW2	SG6 SG16 SG17 SG19
2241		3		11	Category B SW2	
2242	CYCLOHEPTANE	3			Category B	
2243	CYCLOHEPTENE	3				
	CYCLOHEXYL ACETATE				Category A	
2244	CYCLOPENTANOL	3			Category A	
2245	CYCLOPENTANONE	3			Category A	
2246		3		11	Category E	
2247	CYCLOPENTENE	3			Category A	
2248	n-DECANE	8	3		Category A	
2249	DI-n-BUTYLAMINE	6.1	3			
	DICHLORODIMETHYL ETHER, SYMMETRICAL		3		Category D SW2	
2250	DICHLOROPHENYL ISOCYANATES	6.1		11	Category B SW1 SW2	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
2251	BICYCLO[2.2.1]HEPTA-2,5- DIENE, STABILIZED (2,5-	3		11	Category D	
2252	NORBORNADIENE, STABILIZED) 1,2-DIMETHOXYETHANE	3		11	Category B	
2253		6.1		11	Category A	
2254		4.1			Category A	
256		3			Category E	
257	CYCLOHEXENE	4.3		1	Category D	SG35
258	POTASSIUM	8	3		Category A SW2	
259	1,2-PROPYLENEDIAMINE	8			Category B SW2	SG35
260	TRIETHYLENETETRAMINE	3	8	111	Category A SW2	
261	TRIPROPYLAMINE	6.1			Category A	
262	XYLENOLS, SOLID DIMETHYLCARBAMOYL	8		11	Category A SW2	
263	CHLORIDE	3			Category B	
264	DIMETHYLCYCLOHEXANES	8	3	 	Category A	
	N,N- DIMETHYLCYCLOHEXYLAMINE	Ū	0		SW2	
265	N,N-DIMETHYLFORMAMIDE	3			Category A	
266	N,N-DIMETHYL PROPYLAMINE	3	8	11	Category B SW2	
267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	8	11	Category B SW1	
269	3,3'-IMINODIPROPYLAMINE	8			Category A	
270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	8	11	Category B SW2	SG35
271	ETHYL AMYL KETONES	3			Category A	
272	N-ETHYLANILINE	6.1		111	Category A	SG17 SG35
273	2-ETHYLANILINE	6.1		111	Category A	SG17 SG35
274	N-ETHYL-N-BENZYLANILINE	6.1			Category A	
275		3			Category A	
276	2-ETHYLBUTANOL	3	8		Category A	
277	2-ETHYLHEXYLAMINE ETHYL METHACRYLATE,	3		11	SW2 Category B	
278		3		11	Category B	
279		6.1	P		Category A	
280	HEXACHLOROBUTADIENE HEXAMETHYLENEDIAMINE,	8			Category A SW1	
280	SOLID HEXAMETHYLENEDIAMINE,	8		111	H2 Category A SW1	
281	MOLTEN HEXAMETHYLENE	6.1		11	H2 Category C SW2	
282		3			H1 Category A	
283	HEXANOLS ISOBUTYL METHACRYLATE, STABILIZED	3		111	Category A	
284		3	6.1	11	Category E SW2	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
2285	a, b, c)	6.1	3	11	Category D	
	ISOCYANATOBENZOTRIFLUORI DES				SW1 SW2	
2286	PENTAMETHYLHEPTANE	3		111	Category A	
2287		3		11	Category B	
2288	ISOHEPTENES	3			Category E	
2289	ISOHEXENES	8			Category A	
2290	ISOPHORONEDIAMINE	6.1			Category B	
	ISOPHORONE DIISOCYANATE				SW2	
2291	LEAD COMPOUND, SOLUBLE,	6.1	Р		Category A	
2293	N.O.S. 4-METHOXY-4-METHYLPENTAN-	3		111	Category A	
2294	2-ONE	6.1			Category A	
2295	N-METHYLANILINE	6.1	3		Category D	
2296	METHYL CHLOROACETATE	3	0	. 		
	METHYLCYCLOHEXANE				Category B	
2297	METHYLCYCLOHEXANONES	3			Category A	
2298	METHYLCYCLOPENTANE	3		11	Category B	
2299	METHYL DICHLOROACETATE	6.1		111	Category A	
2300		6.1			Category A	
2301	2-METHYL-5-ETHYLPYRIDINE	3			Category E	
2302	2-METHYLFURAN	3			Category A	
2303	5-METHYLHEXAN-2-ONE	3			Category A	
2304	ISOPROPENYLBENZENE	4.1			Category C	
	NAPHTHALENE, MOLTEN					
2305	NITROBENZENESULPHONIC ACID	8		11	Category A	
2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1	Ρ	11	Category A SW2	
2307	3-NITRO-4- CHLOROBENZOTRIFLUORIDE	6.1	Ρ	11	Category A SW2	
2308	NITROSYLSULPHURIC ACID,	8		11	Category D SW2	SG6 SG16 SG17 SG19
2309	LIQUID	3			Category B	
2310	OCTADIENE	3	6.1		Category A	
2311	PENTANE-2,4-DIONE	6.1			Category A	
	PHENETIDINES					
2312		6.1		11	Category B SW2	
2313	PHENOL, MOLTEN	3			Category A	
	PICOLINES				SW2	
2315	POLYCHLORINATED BIPHENYLS, LIQUID	9	Р	11	Category A	SG50
2316	SODIUM CUPROCYANIDE, SOLID	6.1	Ρ	1	Category A	SG35
2317	SODIUM CUPROCYANIDE	6.1	P	1	Category B SW2	SG35
2318	SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2		11	Category A	SG35
2319	TÉRPENE HYDROCARBONS,	3			Category A	
2320	N.O.S.	8			Category A	SG35
2321	TETRAETHYLENEPENTAMINE	6.1	P		Category A	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
2322	a, b, cj	6.1	Р	11	Category A	
					SW1 SW2	
2323	TRICHLOROBUTENE	3			Category A	
2324	TRIETHYL PHOSPHITE	3			Category A	
2325	TRIISOBUTYLENE	3				
	1,3,5-TRIMETHYLBENZENE				Category A	
2326	TRIMETHYLCYCLOHEXYLAMINE	8			Category A	
2327	TRIMETHYLHEXAMETHYLENEDI AMINES	8		111	Category A	
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1		III	Category B	
2329	TRIMETHYL PHOSPHITE	3			Category A	
2330		3			Category A	
2331	UNDECANE	8			Category A	
2332	ZINC CHLORIDE, ANHYDROUS	3			Category A	
2333	ACETALDEHYDE OXIME	3	6.1			
2000		J	0.1		Category E SW2	
2334	ALLYL ACETATE	6.1	3	1	Category D	
	ALLYLAMINE				SW2	
2335		3	6.1	11	Category E SW2	
	ALLYL ETHYL ETHER					
2336		3	6.1		Category E SW2	
2337	ALLYL FORMATE	6.1	3	1	Category D	SG35
	PHENYL MERCAPTAN	0	0		SW2	
2338		3		11	Category B	
	BENZOTRIFLUORIDE				SW2	
2339		3		11	Category B SW2	
2340	2-BROMOBUTANE	3			Category B	
2340		5			SW2	
2341	2-BROMOETHYL ETHYL ETHER	3		111	Category A	
2342	1-BROMO-3-METHYLBUTANE	3		11	Category B	
2343	BROMOMETHYLPROPANES	3			Category B	
	2-BROMOPENTANE					
2344		3		II	Category B SW2	
2344	BROMOPROPANES	3		111	Category A	
2345	BROMOPROPANES	3			Category D	
_070		0			SW2	
2346	3-BROMOPROPYNE	3			Category B	
2347	BUTANEDIONE	3			Category B	SG35
						SG50 SG57
2348	BUTYL MERCAPTANS BUTYL ACRYLATES,	3			Cotogon A	
	STABILIZED			 	Category A	
2350	BUTYL METHYL ETHER	3		Ш	Category B	
2351		3		II	Category B SW2	
2351	BUTYL NITRITES	3		1111		
2001		3		111	Category A SW2	
2352	BUTYL NITRITES	3			Category B	
	BUTYL VINYL ETHER, STABILIZED				SW2	
2353		3	8	11	Category C	
	BUTYRYL CHLORIDE				SW2	

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2354		3	6.1	II	Category E SW2	
2356	CHLOROMETHYL ETHYL ETHER	3			Category E	
	2-CHLOROPROPANE		0			
2357		8	3		Category A SW2	
2358	CYCLOHEXYLAMINE	3			Category B	
2359	CYCLOOCTATETRAENE	3	6.1/8	11	Category B	SG5
	DIALLYLAMINE				SW2	SG8
2360		3	6.1	11	Category E	
2361		3	8		Category A	
2362	DIISOBUTYLAMINE	3			Category B	
	1,1-DICHLOROETHANE				SW2	
2363		3	Ρ	1	Category E	SG50 SG57
2364	ETHYL MERCAPTAN	3			Category A	
2366	n-PROPYLBENZENE	3			<b>·</b> ·	
	DIETHYL CARBONATE				Category A	
2367	alpha-METHYLVALERALDEHYDE	3		II	Category B	
2368	alpha-PINENE	3			Category A	
2370	1-HEXENE	3		11	Category E	
2371	ISOPENTENES	3		1	Category E	
2372	1,2-	3		11	Category B	
2373	DI(DIMETHYLAMINO)ETHANE	3		11	Category B	
2374	DIETHOXYMETHANE	3			Category B	
2375	3,3-DIETHOXYPROPENE	3			Category E	
2376	DIETHYL SULPHIDE	3			Category B	
2377	2,3-DIHYDROPYRAN	3				
	1,1-DIMETHOXYETHANE			11	Category B	
2378	2- DIMETHYLAMINOACETONITRIL E	3	6.1	11	Category A SW2	SG35
2379	1,3-DIMETHYLBUTYLAMINE	3		Ш	Category B	SG35
2380	DIMETHYLDIETHOXYSILANE	3		11	Category B	
2381	DIMETHTEDIETHOATSILANE	3	6.1		Category B	
2382	DIMETHYL DISULPHIDE	6.4	3P		SW2	SG17
	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1		1	Category D SW2	SG35
2383	DIPROPYLAMINE	3	8	11	Category B	
2384	DI-n-PROPYL ETHER	3		11	Category B	
2385	ETHYL ISOBUTYRATE	3		11	Category B	
2386		3	8		Category B	SG35
2387	1-ETHYLPIPERIDINE	3			Category B	
2388	FLUOROBENZENE	3			Category B	
2389	FLUOROTOLUENES	3		I	Category E SW2	
2200	FURAN	0				
2390	2-IODOBUTANE	3		 	Category B	
2391	IODOMETHYLPROPANES	3		II	Category B	
2392	IODOPROPANES	3			Category A	
2393	ISOBUTYL FORMATE	3		11	Category B	
2394	ISOBUTYL PROPIONATE	3		111	Category B	

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2395	a, b, c)	3	8	11	Category C	
	ISOBUTYRYL CHLORIDE				SW2	
2396	METHACRYLALDEHYDE, STABILIZED	3	6.1	11	Category E SW2	
2397	3-METHYLBUTAN-2-ONE	3		11	Category B	
2398		3		11	Category E	
2399	METHYL tert-BUTYL ETHER	3	8	11	Category B	SG35
2400	1-METHYLPIPERIDINE	3			Category B	
2401	METHYL ISOVALERATE	8	3	1	Category D	SG35
2402	PIPERIDINE	3			Category E	SG50
2402		5				SG57
2403	PROPANETHIOLS	3			Category B	
2404	ISOPROPENYL ACETATE	3	6.1		Category E	
	PROPIONITRILE				SW2	
2405	ISOPROPYL BUTYRATE	3		111	Category A	
2406	ISOPROPYL ISOBUTYRATE	3		11	Category B	
2407	ISOPROPIL ISOBULTRATE	6.1	"3/8	1	Category D	SG5
	ISOPROPYL CHLOROFORMATE				SW2	SG8
2409	ISOPROPYL PROPIONATE	3		11	Category B	
2410	1,2,3,6-TETRAHYDROPYRIDINE	3		11	Category B	
2411		3	6.1	11	Category E SW2	
	BUTYRONITRILE					
2412	TETRAHYDROTHIOPHENE	3		II	Category B	
2413	TETRAPROPYL ORTHOTITANATE	3		111	Category A	
2414	THIOPHENE	3		11	Category B SW2	
2416		3		11	Category B	
2417	TRIMETHYL BORATE	2.3			Category D	
	CARBONYL FLUORIDE				SW2	
2418		2.3	8		Category D SW2	SG35
2419	SULPHUR TETRAFLUORIDE	2.1			Category B	
2410	BROMOTRIFLUOROETHYLENE	2.1			SW2	
2420	BROMOTRIFLOOROETHTLENE	2.3	8		Category D	
	HEXAFLUOROACETONE				SW2	
2421		2.3	"5.1/8		Category D SW2	SG6 SG19
2422	NITROGEN TRIOXIDE OCTAFLUOROBUT-2-ENE	2.2			Category A	
2424	(REFRIGERANT GAS R 1318) OCTAFLUOROPROPANE	2.2			Category A	
	(REFRIGERANT GAS R 218)					00.40
2426	AMMONIUM NITRATE, LIQUID	5.1			Category D	SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG59 SG61
2427	(hot concentrated solution)	5.1			Category B	SG38
	POTASSIUM CHLORATE, AQUEOUS SOLUTION					SG49 SG62
2427		5.1			Category B	SG38 SG49
	POTASSIUM CHLORATE, AQUEOUS SOLUTION					SG49 SG62

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2428	a, b, c)	5.1		11	Category B	SG38
	SODIUM CHLORATE, AQUEOUS SOLUTION					SG49 SG62
2428		5.1			Category B	SG38
	SODIUM CHLORATE, AQUEOUS SOLUTION					SG49 SG62
2429	CALCIUM CHLORATE,	5.1		11	Category B	SG38 SG49 SG62
2429	AQUEOUS SOLUTION	5.1			Category B	SG38
2423	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1			Calegory D	SG49 SG62
2430		8		I	Category B	
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		11	Category B	
	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	_				
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		111	Category A	
2431	ortho-ANISIDINE	6.1		111	Category A	
2432		6.1			Category A	
2433	N,N-DIETHYLANILINE	6.1	P		Category A	SG6
2433	CHLORONITROTOLUENES,	0.1			Calegory A	SG8 SG10 SG12
	LIQUID					
2434	DIBENZYLDICHLOROSILANE	8			Category C SW2	
2435	ETHYLPHENYLDICHLOROSILAN	8		Ш	Category C	
2436	E	3		11	Category B	
2437	THIOACETIC ACID METHYLPHENYLDICHLOROSILA	8		11	Category C SW2	
2438	NE	6.1	"3/8	1	Category D SW1	SG5 SG8
					SW2	
2439	TRIMETHYLACETYL CHLORIDE	8			Category A SW1	SG35
	SODIUM				SW2 H2	
2440	HYDROGENDIFLUORIDE STANNIC CHLORIDE	8			Category A	
	PENTAHYDRATE				Category A	
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	8	1	Category D SW2	
2442		8			Category D SW2	
	TRICHLOROACETYL CHLORIDE				3002	
2443	VANADIUM OXYTRICHLORIDE	8		11	Category C SW2	
2444	VANADIUM TETRACHLORIDE	8		1	Category C SW2	
2446		6.1		111	Category A	
2447	NITROCRESOLS, SOLID PHOSPHORUS, WHITE,	4.2	6.1P		Category D	
	MOLTEN			-		8017
2448	SULPHUR, MOLTEN	4.1			Category C	SG17
2451	NITROGEN TRIFLUORIDE	2.2	5.1		Category D SW2	
2452		2.1			Category B SW2	
2453	ETHYLACETYLENE, STABILIZED	2.1			Category E	
	ETHYL FLUORIDE (REFRIGERANT GAS R 161)				SW2	

	PROPER SHIPPING NAME (Note: When there is more than	<u>Olean</u>	Quilt at 11	Deallin	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
2454	a, b, c)	2.1			Category E	
_ 10 1	METHYL FLUORIDE (REFRIGERANT GAS R 41)	2.1			SW2	
2455	METHYL NITRITE	2.2			-	
2456	2-CHLOROPROPENE	3		l	Category E	
2457	2,3-DIMETHYLBUTANE	3		II	Category E	
2458	HEXADIENES	3		11	Category B	
2459	2-METHYL-1-BUTENE	3		I	Category E	
2460	2-METHYL-2-BUTENE	3		11	Category E	
2461	METHYLPENTADIENES	3		11	Category E	
2463	ALUMINIUM HYDRIDE	4.3		1	Category E	
2464	BERYLLIUM NITRATE	5.1	6.1	11	Category A	
2465	DICHLOROISOCYANURIC ACID,	5.1			Category A	
	DRY or DICHLOROISOCYANURIC ACID, SALTS				H1	
2466		5.1		I	Category E H1	SG16 SG35 SG59
2468	POTASSIUM SUPEROXIDE TRICHLOROISOCYANURIC	5.1		11	Category A	
2469	ACID, DRY	5.1			H1 Category A	SG38
	ZINC BROMATE				0,1	SG49
2470	PHENYLACETONITRILE, LIQUID	6.1			Category A	SG35
2471		6.1		1	Category B SW2	
2473	OSMIUM TETROXIDE	6.1			Category A	
2474	SODIUM ARSANILATE	6.1		1	Category D SW2	SG35
2475	THIOPHOSGENE	8		111	Category A SW2	
2477	VANADIUM TRICHLORIDE	6.1	3	1	Category D SW2	
			0.4			
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	11	Category D SW2	
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	111	Category A	
2480	METHYL ISOCYANATE	6.1	3	I	Category D SW2	SG35
2481		6.1	3	1	Category D SW2	SG35
2482		6.1	3		Category D SW2	
2483		6.1	3	1	Category D SW2	
2484	ISOPROPYL ISOCYANATE	6.1	3	1	Category D SW2	
2485	tert-BUTYL ISOCYANATE	6.1	3	1	Category D SW2	
2486	n-BUTYL ISOCYANATE	6.1	3		Category D SW2	
2487	ISOBUTYL ISOCYANATE	6.1	3	1	Category D	
-	PHENYL ISOCYANATE				SW2	
2488	CYCLOHEXYL ISOCYANATE	6.1	3		Category D SW2	

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2490		6.1		11	Category B	
2491	DICHLOROISOPROPYL ETHER ETHANOLAMINE or	8			Category A	SG35
2493	ETHANOLAMINE SOLUTION	3	8		Cotogon/ P	
2493		3	0	"	Category B SW2	
2495	HEXAMETHYLENEIMINE	5.1	"6.1/8		Category D	SG6
2400		5.1	0.170		SW1 SW2	SG16 SG19 SG35
2496	IODINE PENTAFLUORIDE	8			Category A	
	PROPIONIC ANHYDRIDE	-				_
2498	1,2,3,6- TETRAHYDROBENZALDEHYDE	3		111	Category A	
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1		11	Category A	
2501	TRIS-(1-AZIRIDINYL)	6.1			Category A	
2502	PHOSPHINE OXIDE SOLUTION	8	3	111	Category C	
2002		U	0		SW2	
2503	VALERYL CHLORIDE	8			Category A	
2504	ZIRCONIUM TETRACHLORIDE	6.1	P		Category A	
2504	TETRABROMOETHANE	6.1	P	111	Category A	
2505	AMMONIUM FLUORIDE	6.1		111	Category A	SG35
2506	AMMONIUM HYDROGEN SULPHATE	8		11	Category A SW2	
2507	CHLOROPLATINIC ACID, SOLID	8		111	Category A	
2508	MOLYBDENUM PENTACHLORIDE	8		111	Category C SW2	
2509	POTASSIUM HYDROGEN	8		11	Category A	
2511	SULPHATE	8			Category A	
2512	2-CHLOROPROPIONIC ACID	6.1				
2512	AMINOPHENOLS (o-, m-, p-)	6.1		111	Category A	
2513	BROMOACETYL BROMIDE	8			Category C SW2	SG36
2514	BROMOBENZENE	3			Category A	
2515	BROMOBENZENE	6.1	P		Category A SW1 SW2 H2	
2516	BROMOFORM	6.1	P		Cotogony	
2516		6.1	ſ	Ш	Category A SW1	
2517	CARBON TETRABROMIDE 1-CHLORO-1,1-	2.1			Category B	
2518	DIFLUOROETHANE (REFRIGERANT GAS R 142b)				SW2	
2010	1,5,9-CYCLODODECATRIENE	6.1		111	Category A SW2	
2520	CYCLOOCTADIENES	3		111	Category A	
2521		6.1	3	1	Category D SW2	SG20 SG21
2522	DIKETENE, STABILIZED 2-DIMETHYLAMINOETHYL	6.1			Category D SW2	
2524	METHACRYLATE ETHYL ORTHOFORMATE	3			Category A	
2525		6.1		111	Category A	
2526	ETHYL OXALATE	3	8	111	Category A SW2	
2527	FURFURYLAMINE ISOBUTYL ACRYLATE,	3			Category A	
_	STABILIZED					
2528	ISOBUTYL ISOBUTYRATE	3		111	Category A	
2529		3	8		Category A	

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2531	METHACRYLIC ACID, STABILIZED	8		11	Category C SW2	
2533	METHYL TRICHLOROACETATE	6.1		111	Category A	
2534		2.3	2.1/8		Category D SW2	SG4 SG9
2535	METHYLCHLOROSILANE 4-METHYLMORPHOLINE (N-	3	8		Category B SW2	
2536		3			Category B	
2538		4.1			Category A	
2541		3			Category A	
2542		6.1			Category A	
2545		4.2		1	Category D	
2545		4.2			Category D	
2545	HAFNIUM POWDER, DRY	4.2			Category D	
2546	HAFNIUM POWDER, DRY	4.2		1	Category D	
2546	TITANIUM POWDER, DRY	4.2			Category D	
2546	TITANIUM POWDER, DRY	4.2			Category D	
2547	TITANIUM POWDER, DRY	5.1		1	Category E H1	SG16 SG35 SG59
2548	SODIUM SUPEROXIDE	2.3	5.1/8		Category D SW2	SG6 SG19
2552	CHLORINE PENTAFLUORIDE	6.1			Category B	
	HEXAFLUOROACETONE HYDRATE, LIQUID				SW2	
2554	METHYLALLYL CHLORIDE	3		II	Category E	
2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1		11	Category E	SG7 SG30
2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6%	4.1		11	Category D	SG7 SG30
2557	NITROCELLULOSE with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	4.1		11	Category D	SG7 SG30
2558	EPIBROMOHYDRIN	6.1	3P	1	Category D SW2	
2560	2-METHYLPENTAN-2-OL	3			Category A	
2561	3-METHYL-1-BUTENE	3	1	1	Category E	
2564	TRICHLOROACETIC ACID	8			Category B	
2564	TRICHLOROACETIC ACID SOLUTION	8			Category B	
2565		8			Category A	
2567	DICYCLOHEXYLAMINE SODIUM PENTACHLOROPHENATE	6.1	P		Category A	
2570		6.1		I	Category A	
2570	CADMIUM COMPOUND	6.1		11	Category A	
2570		6.1			Category A	
2571	CADMIUM COMPOUND	8		11	Category C SW15	
2572	ALKYLSULPHURIC ACIDS	6.1			Category A	
_	PHENYLHYDRAZINE		0.45		SW2	0000
2573		5.1	6.1P	11	Category A	SG38

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2574	TRICRESYL PHOSPHATE with	6.1	Р	11	Category A	
2576	more than 3% ortho-isomer PHOSPHORUS OXYBROMIDE,	8			Category C SW2	
2577	MOLTEN	8		11	Category C SW2	
2578	PHENYLACETYL CHLORIDE	8		111	Category A SW1	
2579	PHOSPHORUS TRIOXIDE	8		111	H2 Category A SW1	SG35
2580	PIPERAZINE ALUMINIUM BROMIDE SOLUTION	8			H2 Category A	
2581	ALUMINIUM CHLORIDE SOLUTION	8			Category A	
2582	FERRIC CHLORIDE SOLUTION	8		111	Category A	
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphur	8		11	Category A	
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulph	8		11	Category B	
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sul	8		111	Category A	
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free s	8		111	Category B	
2587	BENZOQUINONE	6.1		11	Category A	
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		1	Category A SW2	
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		11	Category A SW2	
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1			Category A SW2	
2589	VINYL CHLOROACETATE	6.1	3	11	Category A	
2590	WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)	9		111	Category A SW2	SG29
2591	XENON, REFRIGERATED	2.2			Category D	
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% ch	2.2			Category A	
2601	CYCLOBUTANE	2.1			Category B SW2	
2602	DICHLORODIFLUOROMETHANE AND DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dic	2.2			Category A	
2603	CYCLOHEPTATRIENE	3	6.1	11	Category E SW2	
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	3	1	Category D SW2	
2605	METHOXYMETHYL ISOCYANATE	6.1	3	1	Category D SW2	
2606	METHYL ORTHOSILICATE	6.1	3	1	Category D SW2	
2607	ACROLEIN DIMER, STABILIZED	3			Category A SW2	
2608	NITROPROPANES	3			Category A	
2609	TRIALLYL BORATE	6.1		ш	Category A H1	

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2610	a, b, c)	3	8	111	Category A SW2	
	TRIALLYLAMINE					
2611		6.1	3	11	Category A SW1	
					SW2 H2	
	PROPYLENE CHLOROHYDRIN					
2612		3		Ш	Category E SW2	
2614	METHYL PROPYL ETHER	3			Category A	
	METHALLYL ALCOHOL					
2615	ETHYL PROPYL ETHERS	3		II	Category E	
2616	TRIISOPROPYL BORATE	3		11	Category B	
2616	TRIISOPROPYL BORATE	3		ш	Category A	
2617	METHYLCYCLOHEXANOLS	3			Category A	
2618	flammable	3			Category A	
2619	VINYLTOLUENES, STABILIZED	8	3	11	Category A	
2019		0	5		SW1 SW2	
	BENZYLDIMETHYLAMINE					
2620	AMYL BUTYRATES	3		111	Category A	
2621	ACETYL METHYL CARBINOL	3		111	Category A	
2622		3	6.1	11	Category A	
	GLYCIDALDEHYDE				SW2	
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1		111	Category A	SG35
2624		4.3		11	Category B	
	MAGNESIUM SILICIDE				SW5 H1	
2626	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5.1		11	Category D	SG38 SG49
2627		5.1		11	Category A	SG38 SG49 SG62
2628	NITRITES, INORGANIC, N.O.S.	6.1		1	Category E	
2629	POTASSIUM FLUOROACETATE	6.1			Category E	
2630	SODIUM FLUOROACETATE	6.1			Category E	
	SELENATES or SELENITES					
2642	FLUOROACETIC ACID	6.1		1	Category E	
2643		6.1		11	Category D SW2	
2644	METHYL BROMOACETATE	6.4				
2644		6.1			Category D SW1	
					SW2 H2	
2645	METHYL IODIDE	6.1				
2040		0.1			Category B SW2	
2646	PHENACYL BROMIDE	6.1			Category D	
	HEXACHLOROCYCLOPENTADIE NE				SW2	
2647		6.1			Category A	
	MALONONITRILE				SW1 H2	
2648		6.1		11	Category B SW2	
2649	1,2-DIBROMOBUTAN-3-ONE	6.1		11	Category B	
2049		0.1			SW1 SW2 H2	
0050	1,3-DICHLOROACETONE					0047
2650		6.1		11	Category A SW1 SW2	SG17

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2651	4,4'-	6.1	Р		Category A	
2653	DIAMINODIPHENYLMETHANE	6.1		11	Category B SW2	
2655	BENZYL IODIDE	6.1		111	H2 Category A	SG35
2656	POTASSIUM FLUOROSILICATE	6.1			Category A	
	QUINOLINE				SW1 H2	
2657	SELENIUM DISULPHIDE	6.1		11	Category A	
2659	SODIUM CHLOROACETATE	6.1			Category A	
2660	NITROTOLUIDINES (MONO)	6.1			Category A	
2661	INTROTOLOIDINES (MONO)	6.1		111	Category B SW1 SW2	
2664	HEXACHLOROACETONE	6.1			H2 Category A	
2667	DIBROMOMETHANE	6.1				
	BUTYLTOLUENES				Category A	0.000
2668	CHLOROACETONITRILE	6.1	3		Category D SW1 SW2 H2	SG35
2669	CHLOROCRESOLS SOLUTION	6.1		11	Category A SW1 H2	
2669		6.1		111	Category A SW1 H2	
2670	CHLOROCRESOLS SOLUTION	8			Category A	
					SW1 SW2 H2	
2671	CYANURIC CHLORIDE	6.1			Category B	SG35
	AMINOPYRIDINES (o-, m-, p-)				SW1 SW2 H2	
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	8		111	Category A SW2 SW5	SG35
2673	2-AMINO-4-CHLOROPHENOL	6.1		11	Category A	
2674	SODIUM FLUOROSILICATE	6.1			Category A	SG35
2676	STIBINE	2.3	2.1		Category D SW2	
2677	RUBIDIUM HYDROXIDE SOLUTION	8		11	Category A	SG22 SG35
2677	RUBIDIUM HYDROXIDE SOLUTION	8		111	Category A	SG22 SG35
2678	RUBIDIUM HYDROXIDE, SOLID	8		11	Category A	SG22 SG35
2679	LITHIUM HYDROXIDE SOLUTION	8			Category A	SG22 SG35
2679	LITHIUM HYDROXIDE SOLUTION	8		111	Category A	SG22 SG35
2680	LITHIUM HYDROXIDE	8		11	Category A	SG35
2681	CAESIUM HYDROXIDE SOLUTION	8		11	Category A	SG22 SG35
2681	CAESIUM HYDROXIDE SOLUTION	8		111	Category A	SG22 SG35
2682	CAESIUM HYDROXIDE	8		11	Category A	SG22 SG35

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2683		8	3/6.1	11	Category B SW1	SG35 SG68
	AMMONIUM SULPHIDE SOLUTION				H2	0000
2684	3-	3	8		Category A	
2685	DIETHYLAMINOPROPYLAMINE N,N-	8	3	11	Category A	
2686	DIETHYLETHYLENEDIAMINE	8	3		Category A	
2687	2-DIETHYLAMINOETHANOL DICYCLOHEXYLAMMONIUM	4.1		111	Category A	
2688	NITRITE	6.1			Category A	
2689	1-BROMO-3-CHLOROPROPANE GLYCEROL-alpha-	6.1			Category A	
	MONOCHLOROHYDRIN					
2690	N,n-BUTYLIMIDAZOLE	6.1		II	Category A	
2691		8		11	Category B SW1 SW2 H2	SG36 SG37
2692	PHOSPHORUS PENTABROMIDE	8		1	Category C	
					SW1 H2	
2693	BORON TRIBROMIDE	8			Category A	SG35
	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	_			SW2	
2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% maleic anhydride	8		111	Category A	
2699		8		1	Category B SW1 SW2 H2	
2705	TRIFLUOROACETIC ACID	8		11	Category B	SG20 SG21
2707	1-PENTOL	3			Category B	
2707	DIMETHYLDIOXANES	3		  III	Category A	
	DIMETHYLDIOXANES					
2709	BUTYLBENZENES	3		III 	Category A	
2710	DIPROPYL KETONE	3			Category A	
2713	ACRIDINE	6.1		111	Category A	
2714	ZINC RESINATE	4.1		111	Category A	
2715	ALUMINIUM RESINATE	4.1			Category A	
2716		6.1		111	Category A	SG35 SG36
	1,4-BUTYNEDIOL					SG55
2717	CAMPHOR synthetic	4.1			Category A	
2719	BARIUM BROMATE	5.1	6.1	11	Category A	SG38 SG49
2720	CHROMIUM NITRATE	5.1			Category A	
2721		5.1		11	Category A	SG38 SG49
2722	COPPER CHLORATE	5.1			Category A	
2723	LITHIUM NITRATE	5.1			Category A	SG38
	MAGNESIUM CHLORATE					SG49
2724	MANGANESE NITRATE	5.1			Category A	
2725	NICKEL NITRATE	5.1			Category A	
2726		5.1		111	Category A	SG38 SG49
2727	NICKEL NITRITE	6.1	5.1P		Category A	
2728	THALLIUM NITRATE	5.1			Category A	

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2729	a, b, c)	6.1			Category A	
2730	HEXACHLOROBENZENE	6.1			Catagony	_
2730	NITROANISOLES, LIQUID	0.1			Category A	
2732		6.1		111	Category A	
2733	LIQUID AMINES, FLAMMABLE,	3	8	1	Category D	SG35
2100	CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE,	Ū			SW2	
0700	CORROSIVE, N.O.S.		0		Catagory	0.005
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE,	3	8		Category B SW2	SG35
2733	CORROSIVE, N.O.S. AMINES, FLAMMABLE,	3	8		Cotogony	SG35
2733	CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE,	3	0		Category A SW2	3635
	CORROSIVE, N.O.S.					0.007
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID,	8	3		Category A	SG35
2734		8	3		Cotogon	SG35
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID,	0	3		Category A	3635
0705		0			Cotomers	0.025
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8			Category A	SG35
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8		11	Category A	SG35
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID,	8		111	Category A	SG35
2738	CORROSIVE, N.O.S. N-BUTYLANILINE	6.1			Category A	SG17
2739		8			Category A	
2740		6.1	"3/8	I	Category B SW2	SG5 SG8
	n-PROPYL CHLOROFORMATE				0112	000
2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1	6.1	11	Category B	SG35 SG38 SG49 SG53 SG60
2742	CHLOROFORMATES, TOXIC,	6.1		11	Category A SW1 SW2 H1	SG5 SG8
	CORROSIVE, FLAMMABLE, N.O.S.				H2	
2743		6.1	"3/8	11	Category A SW1 SW2 H1	SG5 SG8
	n-BUTYL CHLOROFORMATE				H2	
2744		6.1	"3/8	11	Category A SW1 SW2	SG5 SG8
	CYCLOBUTYL CHLOROFORMATE				H1 H2	
2745		6.1	8	11	Category A SW1 SW2	
	CHLOROMETHYL CHLOROFORMATE				H1 H2	
2746		6.1	8	11	Category A SW1 SW2 H1 H2	
	PHENYL CHLOROFORMATE					
2747		6.1		111	Category A SW1 H1	
	tert-BUTYLCYCLOHEXYL CHLOROFORMATE				H2	

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2748	a, b, c)	6.1	8	11	Category A	
		0.1	0		SW1 SW2 H1	
	2-ETHYLHEXYL CHLOROFORMATE				H2	
2749	TETRAMETHYLSILANE	3			Category D	
2750		6.1		11	Category A SW1 SW2 H2	
2751	1,3-DICHLOROPROPANOL-2	8			Category D	
2701	DIETHYLTHIOPHOSPHORYL CHLORIDE	Ũ			SW2 H2	
2752	1,2-EPOXY-3-ETHOXYPROPANE	3		111	Category A	
2753	N-ETHYLBENZYLTOLUIDINES, LIQUID	6.1			Category A	
2754	N-ETHYLTOLUIDINES	6.1		11	Category A	
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		1	Category A SW2	
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	1	Category B SW2	
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	11	Category B SW2	
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		I	Category A SW2	
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	1	Category B SW2	
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	II	Category B SW2	
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		I	Category A SW2	
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	1	Category B SW2	
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	11	Category B SW2	
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1			Category A SW2	
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	1	Category B SW2	
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	11	Category B SW2	

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2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		1	Category A SW2	
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2771	THIOCARBAMATE PESTICIDE,	6.1			Category A SW2	
2772	SOLID, TOXIC THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	3	6.1	1	Category B SW2	
2772	flashpoint less than 23°C THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	3	6.1	11	Category B SW2	
2775	flashpoint less than 23°C	6.1			Category A SW2	
2775	SOLID, TOXIC COPPER BASED PESTICIDE, SOLID, TOXIC	6.1			Category A SW2	
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1			Category A SW2	
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	1	Category B SW2	
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	11	Category B SW2	
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	Ρ	1	Category A SW2	
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	Р	11	Category A SW2	
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	Р		Category A SW2	
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1P	1	Category B SW2	
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1P	11	Category B SW2	
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		I	Category A SW2	
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	I	Category B SW2	
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint	3	6.1	11	Category B SW2	
2781	Iess than 23°C BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		1	Category A SW2	
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1			Category A SW2	
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	I	Category B SW2	
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C	3	6.1	11	Category B SW2	
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		I	Category A SW2	
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	

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2783	a, b, c)	6.1		111	Category A	
	ORGANOPHOSPHORUS				SW2	
2784	PESTICIDE, SOLID, TOXIC ORGANOPHOSPHORUS	3	6.1	1	Category B	
	PESTICIDE, LIQUID,	C C			SW2	
	FLAMMABLE, TOXIC flashpoint					
2784	less than 23°C ORGANOPHOSPHORUS	3	6.1		Category B	
2104	PESTICIDE, LIQUID,	0	0.1		SW2	
	FLAMMABLE, TOXIC flashpoint					
2785	less than 23ºC	6.1			Category D	SG20
2705		0.1			SW1	SG21
	4-THIAPENTANAL			-		
2786	ORGANOTIN PESTICIDE, SOLID,	6.1	Р	1	Category A SW2	
	TOXIC				3002	
2786		6.1	Р	II	Category A	
	ORGANOTIN PESTICIDE, SOLID, TOXIC				SW2	
2786		6.1	Р		Category A	
	ORGANOTIN PESTICIDE, SOLID,				SW2	
2787	TOXIC ORGANOTIN PESTICIDE,	3	6.1P		Catagony	
2101	LIQUID, FLAMMABLE, TOXIC	3	0.1	ľ	Category B SW2	
	flashpoint less than 23°C					
2787	ORGANOTIN PESTICIDE,	3	6.1P	Ш	Category B	
	LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C				SW2	
2788		6.1	Р	1	Category A	
	ORGANOTIN COMPOUND,				SW2	
2788	LIQUID, N.O.S.	6.1	Р		Category A	-
2700	ORGANOTIN COMPOUND,	0.1			SW2	
	LIQUID, N.O.S.					
2788	ORGANOTIN COMPOUND,	6.1	Ρ	111	Category A SW2	
	LIQUID, N.O.S.				3002	
2789	ACETIC ACID, GLACIAL or	8	3	11	Category A	
	ACETIC ACID SOLUTION, more than 80% acid, by mass					
2790	ACETIC ACID SOLUTION not less	8			Category A	
	than 50% but not more than 80%				<u> </u>	
2790	acid, by mass ACETIC ACID SOLUTION more	8		111	Catagony	
2790	than 10% and less than 50% acid,	0		111	Category A	
	by mass					
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS, or	4.2		111	Category A	
	CUTTINGS in a form liable to self-					
	heating					_
2794	BATTERIES, WET, FILLED WITH	8			Category A SW16	
	ACID electric storage				50010	
2795		8			Category A	SG35
	BATTERIES, WET, FILLED WITH ALKALI electric storage				SW16	
2796	SULPHURIC ACID with not more	8			Category B	
	than 51% acid or BATTERY					
2797	FLUID, ACID	8			Category A	SG22
		0		l.		SG35
0700	BATTERY FLUID, ALKALI			Į		
2798	PHENYLPHOSPHORUS	8		11	Category B SW2	
	DICHLORIDE				5112	
2799		8		Ш	Category B	
	PHENYLPHOSPHORUS THIODICHLORIDE				SW2	
2800	BATTERIES, WET, NON-	8		1	Category A	
2004	SPILLABLE electric storage				Catarran	
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE,	8		1	Category A	
	LIQUID, CORROSIVE, N.O.S.					
2801	DYE, LIQUID, CORROSIVE,	8		11	Category A	
	N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.					
2801	DYE, LIQUID, CORROSIVE,	8	1	111	Category A	
2802	LIQUID, CORROSIVE, N.O.S.	8	Р		Category A	
	COPPER CHLORIDE					
2803		8		111	Category B	
	GALLIUM		1	1	SW1	

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2805	LITHIUM HYDRIDE, FUSED	4.3		11	Category E	SG35
2806		4.3		1	Category E	
2807	LITHIUM NITRIDE	9			-	
2809	MAGNETIZED MATERIAL	8	6.1		Category B	SG24
2009		0	0.1		SW2	3024
2810		6.1		1	Category B SW2	
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		11	Category B SW2	
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1			Category A	
	TOXIC LIQUID, ORGANIC, N.O.S.				SW2	
2811		6.1		1	Category B	
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		11	Category B	
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1			Category A	
	TOXIC SOLID, ORGANIC, N.O.S.			<u> </u>	Calegory A	
2812	SODIUM ALUMINATE, SOLID	8			-	
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		1	Category E SW2	
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		11	Category E SW2	
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		111	Category E SW2	
2814	INFECTIOUS SUBSTANCE,	6.2			SW7	
2815	AFFECTING HUMANS	8			Category A SW1 H2	
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	6.1	11	Category B SW2	
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	6.1	111	Category B SW2	
2818	AMMONIUM POLYSULPHIDE	8	6.1	11	Category B SW1 SW2 H2	SG35
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	6.1	111	Category B SW1 SW2 H2	SG35
2819		8			Category A	
2820	AMYL ACID PHOSPHATE	8			Category A SW1 H2	
2821		6.1			H2 Category A	
2821	PHENOL SOLUTION	6.1			Category A	
2822	PHENOL SOLUTION					
	2-CHLOROPYRIDINE	6.1			Category A SW2	
2823	CROTONIC ACID, SOLID	8			Category A SW1 H2	
2826	ETHYL CHLOROTHIOFORMATE	8	3P	11	Category A SW2	
2829	CAPROIC ACID	8		111	Category A	
2830		4.3		11	Category E SW2 SW5	
2831	LITHIUM FERROSILICON	6.1			H1 Category A SW2	
2834	PHOSPHOROUS ACID	8		111	Category A SW1	

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2835		4.3		11	Category E	SG35
2837	SODIUM ALUMINIUM HYDRIDE BISULPHATES, AQUEOUS	8			Category A	
2837	SOLUTION BISULPHATES, AQUEOUS	8			Category A	
	SOLUTION					
2838	VINYL BUTYRATE, STABILIZED	3		11	Category B	
2839	ALDOL	6.1		11	Category A SW1 H2	
2840		3			Category A	
2841	BUTYRALDOXIME	3	6.1		Category A	
2842	DI-n-AMYLAMINE	3			Category A	
2844	NITROETHANE	4.3			Category A	SG35
	CALCIUM MANGANESE SILICON				SW5 H1	
2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2		1	Category D	SG63
2846	PYROPHORIC SOLID, ORGANIC, N.O.S.	4.2		1	Category D	
2849	3-CHLOROPROPANOL-1	6.1			Category A	
2850	PROPYLENE TETRAMER	3			Category A	
2851	BORON TRIFLUORIDE	8		11	Category B SW1 SW2	
2852	DIHYDRATE DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	4.1		1	H2 Category D	SG7 SG30
2853	MAGNESIUM FLUOROSILICATE	6.1		ш	Category A	SG35
2854		6.1			Category A	SG35
2855	AMMONIUM FLUOROSILICATE	6.1			Category A	SG35
2856	ZINC FLUOROSILICATE	6.1			Category A	SG35
2857	FLUOROSILICATES, N.O.S. REFRIGERATING MACHINES containing non-flammable, non- toxic gases or ammonia solution (UN2672)	2.2			Category A	
2858	ZIRCONIUM, DRY coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1		111	Category A	
2859	AMMONIUM METAVANADATE	6.1		11	Category A	SG6 SG8 SG10 SG12
2861		6.1		11	Category A	SG6 SG8 SG10 SG12
2862	AMMONIUM POLYVANADATE VANADIUM PENTOXIDE, non- fused form	6.1			Category A	
2863	SODIUM AMMONIUM	6.1			Category A	
2864		6.1		11	Category A	
2865		8			Category A	
2869	HYDROXYLAMINE SULPHATE TITANIUM TRICHLORIDE	8		11	Category A SW2	
2869	MIXTURE TITANIUM TRICHLORIDE	8			Category A SW2	
2870	MIXTURE	4.2	4.3		Category D	
2870	ALUMINIUM BOROHYDRIDE ALUMINIUM BOROHYDRIDE IN	4.2	4.3		Category D	
2871	DEVICES	6.1			Category A	
2872	ANTIMONY POWDER	6.1		 	Category A	
	DIBROMOCHLOROPROPANES					
2872	DIBROMOCHLOROPROPANES	6.1		111	Category A	

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2873		6.1		111	Category A	
2874	N,N-DI-n-BUTYLAMINOETHANOL	6.1			Category A	SG17 SG35
2875	FURFURYL ALCOHOL	6.1			Category A	
2876	HEXACHLOROPHENE	6.1			Category A	
2878	RESORCINOL TITANIUM, SPONGE GRANULES or TITANIUM, SPONGE POWDERS	4.1		111	Category D	SG17
2879		8	6.1	1	Category E SW2	
2880	SELENIUM OXYCHLORIDE CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1		11	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water	5.1		111	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
2881	METAL CATALYST, DRY	4.2		1	Category C	
2881	METAL CATALYST, DRY	4.2		11	Category C	
2881	METAL CATALYST, DRY	4.2		III	Category C	
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	6.2			SW7	
2901	BROMINE CHLORIDE	2.3	5.1/8		Category D SW2	SG6 SG19
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		1	Category B SW2	
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		II	Category B SW2	
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		111	Category A SW2	
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3	1	Category B SW2	
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3	11	Category B SW2	
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S. flashpoint not less than 23°C	6.1	3		Category A SW2	
2904	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID	8			Category A	
2905	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID	8			Category A	
2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch, or calcium	4.1		11	Category E	SG7 SG30
2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	7	See SP290		Category A	
2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or D	7	See SP290		Category A	
2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	7	See SP290		Category A	
2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES	7	See SP290		Category A	
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	7	See SP172		Category A SW20	

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2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS( SCO-I or SCO-II), non fissile or fis	7	See SP172		Category A	
2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted	7	See SP172		Category A SW20 SW21	
2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted	7	See SP172		Category A SW12	
2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted	7	See SP172		Category A SW12	
2919	RADIOACTIVE MATERIAL TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excep	7	See SP172		Category A SW13	
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	1	Category C SW1 SW2	
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	11	Category C SW1 SW2	
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	1	Category B SW1 H2	
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	11	Category B SW1 H2	
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	1	Category B SW2	
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	11	Category B SW2	
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	111	Category B SW2	
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	I	Category B SW2	
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	11	Category B SW2	
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	111	Category B SW2	
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	1	Category E SW2	
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	Π	Category B SW2	
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	111	Category A SW2	
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	11	Category D SW2	
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	111	Category D SW2	
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1		Category B SW2	
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1	111	Category B SW2	
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8		Category B SW2	
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8		Category B SW2	
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	1	Category B SW2	
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	II	Category B SW2	

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2929		6.1	3	1	Category B	
	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.		0		SW2	
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	11	Category B SW2	
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	1	Category B	
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	11	Category B	
2931		6.1		11	Category A	
2933	VANADYL SULPHATE METHYL 2-	3		111	Category A	
2934	CHLOROPROPIONATE ISOPROPYL 2-	3			Category A	
2935	CHLOROPROPIONATE	3		111	Category A	
2936	ETHYL 2-CHLOROPROPIONATE	6.1		11	Category A	
2937	THIOLACTIC ACID alpha-METHYLBENZYL	6.1		'' 		
	ALCOHOL, LIQUID				Category A	
2940	9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE PHOSPHINES)	4.2			Category A	
2941	FLUOROANILINES	6.1			Category A	
2942	2-TRIFLUOROMETHYLANILINE	6.1			Category A	
2943		3			Category A	
2945		3	8	11	Category B SW2	
2946	N-METHYLBUTYLAMINE 2-AMINO-5-	6.1			Category A	
2947	DIETHYLAMINOPENTANE	3			Category A	
2948	ISOPROPYL CHLOROACETATE	6.1			Category A SW2	
2949	3-TRIFLUOROMETHYLANILINE SODIUM HYDROSULPHIDE,	8			Category A	SG35
2040	HYDRATED with not less than 25% water of crystallization	0		ľ	Category A	0000
2950	MAGNESIUM GRANULES, COATED particle size not less than 149 microns	4.3			Category A	SG35
2956	5-tert-BUTYL-2,4,6-TRINITRO-m-	4.1		111	Category D SW1 SW2 H2 H3	SG1
2965	XYLENE (MUSK XYLENE)	4.3	"3/8	1	Category D	SG5
	BORON TRIFLUORIDE				SW2	SG7 SG8 SG13
2966	DIMETHYL ETHERATE	6.1			Category A	
2967	THIOGLYCOL	8			Category A	
2968	SULPHAMIC ACID MANEB, STABILIZED or MANEB PREPARATION, STABILIZED	4.3			Category B	SG29 SG35
2969	against self-heating	9			Category E	SG10
-909	CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE	3			SW2	SG10 SG18 SG29
2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	7	8		Category A SW12	
2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE non fissile or fissile-excepted	7	8		Category A SW12	
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE with not more than 30% ethylene oxide	3	6.1	1	Category E SW2	
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1		111	Category B SW1	SG16 SG59 SG72

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2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	11	Category B SW2	
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	3	11	Category C SW2	
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8		11	Category C SW2	
2988	CHLOROSILANES, WATER- REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	"3/8	1	Category D SW2	SG5 SG7 SG8 SG13
2989	LEAD PHOSPHITE, DIBASIC	4.1		11	Category B	SG29
2989 2990	LEAD PHOSPHITE, DIBASIC	4.1 9		111	Category B	SG29 SG18
	LIFE-SAVING APPLIANCES, SELF-INFLATING				Category A	SG71
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3		Category B SW2	
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3		Category B SW2	
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	111	Category A SW2	
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		1	Category B SW2	
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		111	Category A SW2	
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	1	Category B SW2	
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	11	Category B SW2	
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	111	Category A SW2	
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		I	Category B SW2	
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		111	Category A SW2	
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	1	Category B SW2	
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	11	Category B SW2	
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	111	Category A SW2	
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		1	Category B SW2	
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	
2996	ORGANOCHLORINE PESTICIDE,	6.1		111	Category A SW2	
2997	LIQUID, TOXIC TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	1	Category B SW2	
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3		Category B SW2	

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2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flashpoint not less than 23°C	6.1	3	111	Category A SW2	
2998	TRIAZINE PESTICIDE, LIQUID,	6.1		1	Category B SW2	
2998	TOXIC TRIAZINE PESTICIDE, LIQUID,	6.1		11	Category B SW2	
2998	TOXIC TRIAZINE PESTICIDE, LIQUID,	6.1			Category A SW2	
3005	TOXIC THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3	1	Category B SW2	
3005	flashpoint not less than 23°C THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3		Category B SW2	
3005	flashpoint not less than 23°C THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3		Category A	
3006	flashpoint not less than 23°C	6.1			SW2 Category B	
2000	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	<u> </u>			SW2	
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		111	Category A SW2	
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1		1	Category B SW2	
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	11	Category B SW2	
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	111	Category A SW2	
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1		1	Category B SW2	
3010	COPPER BASED PESTICIDE,	6.1		11	Category B SW2	
3010	LIQUID, TOXIC COPPER BASED PESTICIDE,	6.1		111	Category A SW2	
3011	LIQUID, TOXIC MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3P	1	Category B SW2	
3011	flashpoint not less than 23°C MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3P		Category B SW2	
3011	flashpoint not less than 23°C MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3P	111	Category A SW2	
3012	flashpoint not less than 23°C MERCURY BASED PESTICIDE,	6.1	P	1	Category B SW2	
3012	LIQUID, TOXIC MERCURY BASED PESTICIDE,	6.1	Ρ		Category B SW2	
3012	LIQUID, TOXIC MERCURY BASED PESTICIDE,	6.1	Ρ		Category A SW2	
3013	LIQUID, TOXIC SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less	6.1	3	1	Category B SW2	
3013	than 23° SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°	6.1	3		Category B SW2	
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°	6.1	3	111	Category A SW2	
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		I	Category B SW2	
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	

	PROPER SHIPPING NAME (Note: When there is more than		Subaidian	Pooling	Stowage	
UN Number	one packing group or PSN the	Class or division	Subsidiary risk(s)	Packing Group	and	Segregation
	UN No. has been annotated with		1136(3)	Group	Handling	
3014	a, b, c)	6.1		111	Category A	
	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	0.1			SW2	
3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1		1	Category B SW2	
	flashpoint not less than 23°C					
3015	BIPYRIDILIUM PESTICIDE,	6.1	3	11	Category B	
	LIQUID, TOXIC, FLAMMABLE				SW2	
3015	flashpoint not less than 23°C BIPYRIDILIUM PESTICIDE,	6.1	3		Category A	
5010	LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	0.1	5		SW2	
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1		I	Category B SW2	
3016		6.1		11	Category B	
	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC				SW2	
3016		6.1		111	Category A	
	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC				SW2	
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC,	6.1	3	I	Category B SW2	
	FLAMMABLE flashpoint not less than 23°C				5002	
3017	ORGANOPHOSPHORUS	6.1	3		Category B	
	PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C				SW2	
3017	ORGANOPHOSPHORUS	6.1	3		Category A	
	PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less	0.1	0		SW2	
3018	than 23⁰C	6.1		1	Category B	
5010	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	0.1			SW2	
3018		6.1		11	Category B	
	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC				SW2	
3018		6.1		111	Category A	
	ORGANOPHOSPHORUS				SW2	
3019	PESTICIDE, LIQUID, TOXIC ORGANOTIN PESTICIDE,	6.1	3P	1	Category B	
5015	LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	0.1		ľ	SW2	
3019	ORGANOTIN PESTICIDE,	6.1	3P	11	Category B	
	LIQUID, TOXIC, FLAMMABLE				SW2	
2010	flashpoint not less than 23°C	0.4	20		Catanami A	_
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3P	111	Category A SW2	
3020		6.1	Р	1	Category B	
	ORGANOTIN PESTICIDE, LIQUID, TOXIC				SW2	
3020		6.1	Р	11	Category B	
					SW2	
3020	LIQUID, TOXIC	6.1	Р		Category A	
2020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	0.1	ľ		SW2	
3021	PESTICIDE, LIQUID,	3	6.1	1	Category B	
	FLAMMABLE, TOXIC, N.O.S.				SW2	
2024	flashpoint less than 23°C	0	6.4		Cotogony D	
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. flashpoint less than 23°C	3	6.1	11	Category B SW2	
3022		3			Category B	SG20
	1,2-BUTYLENE OXIDE, STABILIZED					SG21
3023		6.1	3		Category D SW2	SG57
0004	2-METHYL-2-HEPTANETHIOL		0.4	<u> </u>	Cotoria	
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flashpoint	3	6.1		Category B SW2	
0001			0.4		O at a second	
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID,	3	6.1	11	Category B SW2	
	FLAMMABLE, TOXIC, flashpoint less than 23°C				3vv2	
3025	COUMARIN DERIVATIVE	6.1	3	<u> </u>	Category B	
	PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	0.1	Ĭ	ľ	SW2	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	11	Category B SW2	
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	6.1	3	111	Category A SW2	
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		1	Category B SW2	
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		11	Category B SW2	
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		111	Category A SW2	
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	Category A SW2	
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE, SOLID electric storage	8		111	Category A	SG35
3048	ALUMINIUM PHOSPHIDE PESTICIDE	6.1		I	Category E SW2 SW5	
3054	CYCLOHEXANETHIOL (CYCLOHEXYL MERCAPTAN)	3			Category A SW2	SG50 SG57
3055	2-(2-AMINOETHOXY) ETHANOL	8	8	111	Category A	
3056	n-HEPTALDEHYDE	3			Category A	
3057	TRIFLUOROACETYL CHLORIDE	2.3	8		Category D SW2	
3064	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3		11	Category E	
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3		11	Category A	
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3		111	Category A	
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler	8		11	Category B SW2	
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler	8		111	Category A SW2	
3070	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxi	2.2			Category A	
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMA	6.1	3	11	Category C SW2	SG57
3072	LIFE-SAVING APPLIANCES, NOT SELF-INFLATING containing dangerous goods as equipment	9			Category A	SG18 SG71
3073		6.1	"3/8	11	Category C SW2	SG5 SG8 SG35
3077	VINYLPYRIDINES, STABILIZED ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9			Category A SW23	
3078	CERIUM turnings or gritty powder	4.3		11	Category E	SG35
3079	METHACRYLONITRILE, STABILIZED	6.1	3	1	Category D SW2	

	PROPER SHIPPING NAME (Note: When there is more than		Cubaidianu	Decking	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
3080	<b>a, b, c)</b> ISOCYANATES, TOXIC,	6.1	3		Category D	
	FLAMMABLE, N.O.S or ISOCYANATE SOLUTION,				SW1 SW2	
	TOXIC, FLAMMABLE, N.O.S.					
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9		111	Category A	
3083		2.3	5.1		Category D SW2	
3084	PERCHLORYL FLUORIDE CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	1	Category C	
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	11	Category C	
3085		5.1	8	I	Category D	SG38
	OXIDIZING SOLID, CORROSIVE, N.O.S.				H1	SG49 SG60
3085	N.O.S.	5.1	8		Category B	SG38
	OXIDIZING SOLID, CORROSIVE,	0	•		H1	SG49 SG60
3085	N.O.S.	5.1	8		Category B	SG38
	OXIDIZING SOLID, CORROSIVE,	0.1	Ĭ		H1	SG49 SG60
3086	N.O.S. TOXIC SOLID, OXIDIZING,	6.1	5.1		Category C	
	N.O.S.		-	Ľ	<b>C</b> <i>i</i>	
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	11	Category C	
3087		5.1	5.1	1	Category D	SG38
	OXIDIZING SOLID, TOXIC, N.O.S.					SG49 SG60
3087		5.1	6.1	11	Category B	SG38
	OXIDIZING SOLID, TOXIC, N.O.S.					SG49 SG60
3087	N.O.O.	5.1	6.1		Category B	SG38
	OXIDIZING SOLID, TOXIC, N.O.S.					SG49 SG60
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2		11	Category C	
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2			Category C	
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1		II	Category B	SG17
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1			Category B	SG17
3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9		11	Category A	
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT	9		11	Category A	
3092	(including lithium alloy batteries)	3			Category A	
3093	1-METHOXY-2-PROPANOL CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	I	Category C	
3093	OXIDIZING, N.O.S. CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	11	Category C	
3094	CORROSIVE LIQUID, WATER- REACTIVE, N.O.S.	8	4.3	I	Category D	
3094	CORROSIVE LIQUID, WATER- REACTIVE, N.O.S.	8	4.3	11	Category D	
3095	CORROSIVE SOLID, SELF- HEATING, N.O.S.	8	4.2		Category D	
3095	CORROSIVE SOLID, SELF- HEATING, N.O.S.	8	4.2	11	Category D	
3096	CORROSIVE SOLID, WATER- REACTIVE, N.O.S.	8	4.3	I	Category D	
3096	CORROSIVE SOLID, WATER- REACTIVE, N.O.S.	8	4.3	11	Category D	
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	11	-	
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	111	-	
3098	OXIDIZING LIQUID,	5.1	8	1	Category D H1	SG38 SG49 SG60

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3098	a, b, c)	5.1	8	11	Category B	SG38
	OXIDIZING LIQUID, CORROSIVE, N.O.S.				H1	SG49 SG60
3098		5.1	8		Category B	SG38
	OXIDIZING LIQUID, CORROSIVE, N.O.S.				H1	SG49 SG60
3099	CORROSIVE, N.O.S.	5.1	6.1	1	Category D	SG38
	OXIDIZING LIQUID, TOXIC, N.O.S.					SG49 SG60
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	11	Category B	SG38 SG49 SG60
3099	OXIDIZING LIQUID, TOXIC,	5.1	6.1	111	Category B	SG38 SG49 SG60
3100	N.O.S. OXIDIZING SOLID, SELF- HEATING, N.O.S.	5.1	4.2	1	-	
3100	OXIDIZING SOLID, SELF- HEATING, N.O.S.	5.1	4.2	11	-	
3101	ORGANIC PEROXIDE TYPE B,	5.2	See SP181		Category D SW1	SG1 SG35 SG36
3102	LIQUID	5.2	See SP181		Category D	SG1
	ORGANIC PEROXIDE TYPE B, SOLID				SW1	SG35 SG36
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2			Category D SW1	SG35 SG36
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2			Category D SW1	SG35 SG36
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2			Category D SW1	SG35 SG36 SG72
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2			Category D SW1	SG35 SG36
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2			Category D SW1	SG35 SG36 SG72
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2			Category D SW1	SG35 SG36
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2			Category D SW1	SG35 SG36 SG72
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2			Category D SW1	SG35 SG36
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG1 SG35 SG36
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	See SP181		Category D SW1 SW3	SG1 SG35 SG36
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2			Category D SW1 SW3	SG35 SG36

Number 3119	one packing group or PSN the UN No. has been annotated with	division		Packing	and	Segregation
	a h a)	division	risk(s)	Group	Handling	Segregation
1400	<b>a, b, c)</b> ORGANIC PEROXIDE TYPE F,	5.2			Category D	SG35
1400	LIQUID, TEMPERATURE				SW1	SG36
	CONTROLLED				SW3	
3120	ORGANIC PEROXIDE TYPE F,	5.2			Category D	SG35
	SOLID, TEMPERATURE CONTROLLED				SW1 SW3	SG36
3121	OXIDIZING SOLID, WATER-	5.1	4.3	1	-	
	REACTIVE, N.O.S.					
3121	OXIDIZING SOLID, WATER-	5.1	4.3	II	-	
1400	REACTIVE, N.O.S.	C 4	<b>5</b> 4		Cotomore C	
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	5.1	1	Category C	
3122	TOXIC LIQUID, OXIDIZING,	6.1	5.1		Category C	
	N.O.S.					
3123		6.1	4.3	I	Category D	
					SW2	
3123	REACTIVE, N.O.S.	6.1	4.3		Catagory D	
5123	TOXIC LIQUID, WATER-	0.1	4.3	"	Category D SW2	
	REACTIVE, N.O.S.				0112	
3124		6.1	4.2	I	Category D	
	TOXIC SOLID, SELF-HEATING,				SW2	
	N.O.S.					
3124		6.1	4.2	11	Category D SW2	
	TOXIC SOLID, SELF-HEATING, N.O.S.				3002	
3125		6.1	4.3	1	Category D	
	TOXIC SOLID, WATER-	•••			SW2	
	REACTIVE, N.O.S.					
3125		6.1	4.3	П	Category D	
	TOXIC SOLID, WATER-				SW2	
3126	REACTIVE, N.O.S.	4.2	8		Category C	
5120	SELF-HEATING SOLID,	4.2	0	"	Category C	
	CORROSIVE, ORGANIC, N.O.S.					
3126		4.2	8		Category C	
	SELF-HEATING SOLID,					
107	CORROSIVE, ORGANIC, N.O.S.	1.0	5.4			
3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	5.1	II	-	
3127	SELF-HEATING SOLID,	4.2	5.1		-	
,121	OXIDIZING, N.O.S.	7.2	0.1			
3128	SELF-HEATING SOLID, TOXIC,	4.2	6.1	11	Category C	
	ORGANIC, N.O.S.					
3128	SELF-HEATING SOLID, TOXIC,	4.2	6.1	111	Category C	
3129	ORGANIC, N.O.S. WATER-REACTIVE LIQUID,	4.3	8	1	Category D	
5125	CORROSIVE, N.O.S.	4.5	0	1	Category D	
3129	,	4.3	8	11	Category E	
	WATER-REACTIVE LIQUID,				SW5	
	CORROSIVE, N.O.S.					
3129		4.3	8	111	Category E	
3130	CORROSIVE, N.O.S. WATER-REACTIVE LIQUID,	4.3	6.1		Category D	
0010	TOXIC, N.O.S.	4.3	0.1	ľ	Category D	
3130		4.3	6.1		Category E	
	WATER-REACTIVE LIQUID,				SW5	
	TOXIC, N.O.S.			<u> </u>		
3130		4.3	6.1	111	Category E	
	WATER-REACTIVE LIQUID, TOXIC, N.O.S.				SW5	
3131	WATER-REACTIVE SOLID,	4.3	8	1	Category D	
	CORROSIVE, N.O.S.		-	ľ		
3131		4.3	8	11	Category E	
	WATER-REACTIVE SOLID,				SW5	
24.24	CORROSIVE, N.O.S.	4.0	0		Cotosser	
3131	WATER-REACTIVE SOLID,	4.3	8	111	Category E SW5	
	CORROSIVE, N.O.S.				000	
3132	WATER-REACTIVE SOLID,	4.3	4.1	1	-	
	FLAMMABLE, N.O.S.					
3132	WATER-REACTIVE SOLID,	4.3	4.1	II	-	
2422	FLAMMABLE, N.O.S.	4.0	E 4			
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	5.1	111	-	
3133	WATER-REACTIVE SOLID,	4.3	5.1		-	
,	OXIDIZING, N.O.S.	<u>-</u> т.Ј	0.1	" 		
3133	WATER-REACTIVE SOLID,	4.3	5.1	111	-	
	OXIDIZING, N.O.S.					
3134	WATER-REACTIVE SOLID,	4.3	6.1	ll l	Category D	
	TOXIC, N.O.S.	10	6.1	11	Catagory E	
3134	1	4.3	0.1	"	Category E SW5	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3134	a, b, c)	4.3	6.1		Category E	
	WATER-REACTIVE SOLID, TOXIC, N.O.S.				SW5	
3135	WATER-REACTIVE SOLID, SELF- HEATING, N.O.S.	4.3	4.2	I	-	
3135	WATER-REACTIVE SOLID, SELF- HEATING, N.O.S.	4.3	4.2	II	-	
3135	WATER-REACTIVE SOLID, SELF- HEATING, N.O.S.	4.3	4.2		-	
3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2.2			Category D	
3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	4.1	I	-	
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	2.1			Category D SW2	SG46
3139	рорунне	5.1		1	Category D	SG38 SG49
	OXIDIZING LIQUID, N.O.S.					SG60
3139	OXIDIZING LIQUID, N.O.S.	5.1			Category B	SG38
						SG49 SG60
3139	OXIDIZING LIQUID, N.O.S.	5.1		111	Category B	SG38
0100		0.1				SG49 SG60
3140	OXIDIZING LIQUID, N.O.S. ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1		1	Category A	
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1		II	Category A	
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOIDS SALTS, LIQUID, N.O.S.	6.1			Category A	
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1		111	Category A	
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		I	Category A SW2	
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		11	Category A SW2	
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		111	Category A SW2	
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		1	Category A	
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		11	Category A	
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1			Category A	
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1		I	Category B SW2	
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1		II	Category B SW2	
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1			Category B SW2	
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8			Category B	
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8		11	Category B	
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8			Category A	
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	P	1	Category B SW2	
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	Р	II	Category A SW2	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the	Class or division	Subsidiary risk(s)	Packing Group	Stowage and	Segregation
	UN No. has been annotated with a, b, c)		non(o)		Handling	
3146		6.1	Р	111	Category A	
	ORGANOTIN COMPOUND, SOLID, N.O.S.				SW2	
3147	DYE, SOLID, CORROSIVE,	8		1	Category A	
	N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.					
3147	DYE, SOLID, CORROSIVE, N.O.S.	8			Category A	
	N.O.S. or DYE INTERMEDIATE,					
3147	SOLID, CORROSIVE, N.O.S. DYE, SOLID, CORROSIVE,	8			Category A	
0147	N.O.S. or DYE INTERMEDIATE,	0			Category /	
3148	SOLID, CORROSIVE, N.O.S.	4.3			Cotogony	_
3140	WATER-REACTIVE LIQUID,	4.3			Category E SW2	
	N.O.S.					
3148	WATER-REACTIVE LIQUID,	4.3		Ш	Category E SW2	
	N.O.S.					
3148	WATER-REACTIVE LIQUID,	4.3		111	Category E SW2	
	N.O.S.				3002	
3149	HYDROGEN PEROXIDE AND	5.1	8	II	Category D	SG16
	PEROXYACETIC ACID MIXTURE, with acid(s), water and				SW1	SG59 SG72
	not more than 5					
3150	DEVICES, SMALL, HYDROCARBON GAS	2.1			Category B SW2	
	POWERED or				0112	
	HYDROCARBON GAS REFILLS					
3151	FOR SMALL DEVICES wi POLYHALOGENATED	9			Category A	SG50
	BIPHENYLS, LIQUID or					
	POLYHALOGENATED TERPHENYLS, LIQUID					
3152	POLYHALOGENATED	9	Ρ		Category A	SG50
	BIPHENYLS, SOLID or POLYHALOGENATED					
	TERPHENYLS, SOLID					
3153		2.1			Category E	
	PERFLUORO (METHYL VINYL ETHER)				SW2	
3154		2.1			Category E	
	PERFLUORO (ETHYL VINYL ETHER)				SW2	
3155		6.1	Р		Category A	
3156	PENTACHLOROPHENOL COMPRESSED GAS, OXIDIZING,	0.0	5.1		Catagory D	
3120	N.O.S.	2.2	5.1		Category D	
3157	LIQUEFIED GAS, OXIDIZING,	2.2	5.1		Category D	
3158	N.O.S. GAS, REFRIGERATED LIQUID,	2.2			Category D	_
	N.O.S.					
3159	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)	2.2			Category A	
3160		2.3	2.1		Category D	
	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.				SW2	
3161	FLAMINIABLE, N.O.S.	2.1			Category D	
	LIQUEFIED GAS, FLAMMABLE,				SW2	
3162	N.O.S.	2.3			Category D	
					SW2	
3163	LIQUEFIED GAS, TOXIC, N.O.S.	2.2			Category A	
	LIQUEFIED GAS, N.O.S.					
3164		2.2			Category A	
	PNEUMATIC or HYDRAULIC (containing non-flammable gas)					
3165	AIRCRAFT HYDRAULIC POWER	3	"6.1/8	1	Category D	SG5
	UNIT FUEL TANK (containing a mixture of anhydrous hydrazine				SW2	SG8 SG13
	and					
3166	ENGINE, INTERNAL	9			Category A	
	COMBUSTION or VEHICLE,					
	FLAMMABLE GAS POWERED or					
3167	VEHICLE, FLAMMABLE LIQU GAS SAMPLE, NON-	2.1	+		Category D	
	PRESSURIZED, FLAMMABLE,	<u> </u>				
3168	N.O.S., not refrigerated liquid GAS SAMPLE, NON-	2.3	2.1		Category D	
0100	PRESSURIZED, TOXIC,	2.3	<u>د. ۱</u>		Calegory D	
	FRESSURIZED, IONIC,					

	PROPER SHIPPING NAME (Note: When there is more than		Subsidiony	Decking	Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
	a, b, c)					
8169	GAS SAMPLE, NON- PRESSURIZED, TOXIC, N.O.S.,	2.3			Category D	
	not refrigerated liquid					
3170	ALUMINIUM SMELTING BY-	4.3		II	Category B	
	PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS				SW5 H1	
3170	ALUMINIUM SMELTING BY-	4.3			Category B	
5110	PRODUCTS or ALUMINIUM				SW5	
	REMELTING BY-PRODUCTS				H1	
3171	BATTERY-POWERED VEHICLE or BATTERY-POWERED	9			Category A	
	EQUIPMENT					
3172	TOXINS, EXTRACTED FROM	6.1		I	Category B	
	LIVING SOURCES, LIQUID,					
3172	N.O.S. TOXINS, EXTRACTED FROM	6.1			Category B	
5172	LIVING SOURCES, LIQUID,	0.1		11	Calegory B	
	N.O.S.					
3172	TOXINS, EXTRACTED FROM	6.1		III	Category A	
	LIVING SOURCES, LIQUID, N.O.S.					
3174	N.O.O.	4.2			Category A	
_	TITANIUM DISULPHIDE					
3175		4.1		Ш	Category B	
3176	FLAMMABLE LIQUID, N.O.S. FLAMMABLE SOLID, ORGANIC,	4.1			Category C	
5170	MOLTEN, N.O.S.	<b>→</b> .1		"	Salegory C	
3176	FLAMMABLE SOLID, ORGANIC,	4.1			Category C	
0470	MOLTEN, N.O.S.					
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1		11	Category B	
3178	FLAMMABLE SOLID,	4.1			Category B	
	INORGANIC, N.O.S.					
3179		4.1	6.1	II	Category B	
	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.				SW2	
3179		4.1	6.1		Category B	
	FLAMMABLE SOLID, TOXIC,				SW2	
2100	INORGANIC, N.O.S.	4.4	0		Cotogon / D	-
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC,	4.1	8	11	Category D SW2	
	N.O.S.				0112	
3180	FLAMMABLE SOLID,	4.1	8	111	Category D	
	CORROSIVE, INORGANIC, N.O.S.				SW2	
3181	METAL SALTS OF ORGANIC	4.1			Category B	
0101	COMPOUNDS, FLAMMABLE,				SW2	
	N.O.S.					
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE,	4.1		111	Category B SW2	
	N.O.S.				5002	
3182	METAL HYDRIDES,	4.1		11	Category E	
	FLAMMABLE, N.O.S.					
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1		111	Category E	
3183	SELF-HEATING LIQUID,	4.2			Category C	
	ORGANIC, N.O.S.					
3183	SELF-HEATING LIQUID,	4.2		111	Category C	
3184	ORGANIC, N.O.S. SELF-HEATING LIQUID, TOXIC,	4.2	6.1		Category C	
0104	ORGANIC, N.O.S.	4.2	0.1	"	Calegory C	
3184	SELF-HEATING LIQUID, TOXIC,	4.2	6.1	111	Category C	
040-	ORGANIC, N.O.S.		2	I		
3185	SELF-HEATING LIQUID,	4.2	8	Ш	Category C	
	CORROSIVE, ORGANIC, N.O.S.					
3185		4.2	8		Category C	
	SELF-HEATING LIQUID,					
3186	CORROSIVE, ORGANIC, N.O.S. SELF-HEATING LIQUID,	4.2			Category C	
	INORGANIC, N.O.S.	7.4				
3186	SELF-HEATING LIQUID,	4.2		ш	Category C	
2407	INORGANIC, N.O.S.	4.0	6.4		Catarran C	
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	Ш	Category C	
3187	SELF-HEATING LIQUID, TOXIC,	4.2	6.1		Category C	
	INORGANIC, N.O.S.				<b>U V</b>	
3188	SELF-HEATING LIQUID,	4.2	8	II	Category C	
	CORROSIVE, INORGANIC, N.O.S.					
3188	SELF-HEATING LIQUID,	4.2	8		Category C	
-	CORROSIVE, INORGANIC,	_			0,12	
1400	N.O.S.			<u> </u>		
3189	METAL POWDER, SELF- HEATING, N.O.S.	4.2		II	Category C	

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3189	<b>a, b, c)</b> METAL POWDER, SELF-	4.2				_
5109	HEATING, N.O.S.	4.2			Category C	
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2		11	Category C	
3190	SELF-HEATING SOLID,	4.2		111	Category C	
24.04	INORGANIC, N.O.S.	1.0	0.4			
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	11	Category C	
3191	SELF-HEATING SOLID, TOXIC,	4.2	6.1	111	Category C	
3192	INORGANIC, N.O.S. SELF-HEATING SOLID,	4.2	8		Category C	
	CORROSIVE, INORGANIC, N.O.S.					
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC,	4.2	8	111	Category C	
3194	N.O.S. PYROPHORIC LIQUID,	4.2		1	Category D	SG63
	INORGANIC, N.O.S.					
3200	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2		1	Category D	
3205	ALKALINE EARTH METAL	4.2		11	Category B	
3205	ALCOHOLATES, N.O.S. ALKALINE EARTH METAL	4.2			Category B	
	ALCOHOLATES, N.O.S.				<b>·</b> · ·	
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	11	Category B	
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	111	Category B	
3208		4.3		1	Category E	
	METALLIC SUBSTANCE, WATER- REACTIVE, N.O.S.				SW2	
3208	METALLIC SUBSTANCE, WATER- REACTIVE, N.O.S.	4.3		11	Category E SW2	
3208	METALLIC SUBSTANCE, WATER- REACTIVE, N.O.S.	4.3		111	Category E SW2	
3209	METALLIC SUBSTANCE, WATER- REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	1	Category E SW2	
3209	METALLIC SUBSTANCE, WATER- REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	11	Category E SW2	
3209	METALLIC SUBSTANCE, WATER- REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	111	Category E SW2	
3210		5.1		11	Category B	SG38
	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.					SG49 SG62
3210		5.1		111	Category B	SG38
	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.					SG49 SG62
3211		5.1		11	Category B	SG38
	PERCHLORATES, INORGANIC,					SG49 SG62
	AQUEOUS SOLUTION, N.O.S.					
3211		5.1		ш	Category B	SG38 SG49
	PERCHLORATES, INORGANIC,					SG62
	AQUEOUS SOLUTION, N.O.S.				Category D	SG35
3212	AQUEUUUU 30EU HON, N.O.O.	51		1	• •	
3212	AQUEUUU UUU UUU UUU	5.1			SW1	SG38
3212	Addeodd 3020 Hon, N.O.S.	5.1			SW1 SW17	SG49
3212	HYPOCHLORITES, INORGANIC,	5.1				
					SW17	SG49 SG53 SG60
	HYPOCHLORITES, INORGANIC, N.O.S. BROMATES, INORGANIC,	5.1		11		SG49 SG53
3213	HYPOCHLORITES, INORGANIC, N.O.S.			11	SW17	SG49 SG53 SG60 SG38 SG49
3212 3213 3213	HYPOCHLORITES, INORGANIC, N.O.S. BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. BROMATES, INORGANIC,	5.1			SW17 Category B	SG49 SG53 SG60 SG38 SG49 SG62
3213	HYPOCHLORITES, INORGANIC, N.O.S. BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1			SW17 Category B	SG49 SG53 SG60 SG38 SG49 SG62 SG38 SG49 SG62 SG38
3213 3213	HYPOCHLORITES, INORGANIC, N.O.S. BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S. BROMATES, INORGANIC,	5.1		111	SW17 Category B Category B	SG49 SG53 SG60 SG38 SG49 SG62 SG38 SG49 SG62 SG49 SG62

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1		111	Category A	SG40 SG49
3216	PERSULPHATES, INORGANIC,	5.1			Category A	SG38 SG49 SG62
3218	AQUEOUS SOLUTION, N.O.S.	5.1			Category B	SG38 SG49 SG62
3218	AQUEOUS SOLUTION, N.O.S.	5.1			Category B	SG38 SG49
3219	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1			Category B	SG62 SG38 SG49
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1			Category B	SG62 SG38 SG49
3220	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S. PENTAFLUOROETHANE	2.2			Category A	SG62
3221	(REFRIGERANT GAS R 125)	4.1	See SP181		Category D SW1	SG1 SG35 SG36
3222	SELF-REACTIVE LIQUID TYPE B	4.1	See SP181		Category D SW1	SG1 SG35
3223	SELF-REACTIVE SOLID TYPE B	4.1			Category D SW1	SG36 SG35 SG36
3224	SELF-REACTIVE LIQUID TYPE C	4.1			Category D SW1	SG35 SG36
3225	SELF-REACTIVE SOLID TYPE C	4.1			Category D SW1	SG35 SG36
3226	SELF-REACTIVE SOLID TYPE D	4.1			Category D SW1	SG35 SG36
3227 3228	SELF-REACTIVE LIQUID TYPE E	4.1			Category D SW1 Category D	SG35 SG36 SG35
3229	SELF-REACTIVE SOLID TYPE E	4.1			SW1 Category D SW1	SG36 SG35 SG36
3230	SELF-REACTIVE LIQUID TYPE F	4.1			Category D SW1	SG35 SG36
3231	SELF-REACTIVE SOLID TYPE F SELF-REACTIVE LIQUID TYPE B,	4.1			Category D SW1 SW3	SG1 SG35 SG36
3232	TEMPERATURE CONTROLLED	4.1			Category D SW1 SW3	SG1 SG35 SG36
3233	TEMPERATURE CONTROLLED SELF-REACTIVE LIQUID TYPE C, TEMPERATURE	4.1			Category D SW1	SG35 SG36
3234	CONTROLLED SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1			SW3 Category D SW1 SW3	SG35 SG36
3235 3236	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1			Category D SW1 SW3 Category D	SG35 SG36 SG35
3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1			Category D SW1 SW3 Category D	SG35 SG36 SG35
3238	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1			SW1 SW3 Category D	SG36 SG35
	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED				SW1 SW3	SG36

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3239		4.1			Category D	SG35
	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED				SW1 SW3	SG36
3240	TEMPERATURE CONTROLLED	4.1			Category D	SG35
	SELF-REACTIVE SOLID TYPE F,				SW1	SG36
	TEMPERATURE CONTROLLED				SW3	
3241		4.1		111	Category C SW1	
					SW2	
	2-BROMO-2-NITROPROPANE-				H2	
3242	1,3-DIOL	4.1		11	H3 Category D	SG17
5242		4.1			Calegory D	SG35
						SG36
3243	AZODICARBONAMIDE	6.1			Cotogony P	
3243	SOLIDS CONTAINING TOXIC	0.1			Category B SW2	
	LIQUID, N.O.S.				0112	
3244		8		II	Category B	
	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.				SW2	
3245	GENETICALLY MODIFIED	9			SW7	SG50
	MICROORGANISMS or					
	GENETICALLY MODIFIED					
3246	ORGANISMS	6.1	8	1	Category D	
0240	METHANESULPHONYL	0.1	0	ľ	SW2	
	CHLORIDE					
3247	SODIUM PEROXOBORATE,	5.1		11	Category A SW1	
	ANHYDROUS				H1	
3248		3	6.1	11	Category B	
	MEDICINE, LIQUID,				SW2	
3248	FLAMMABLE, TOXIC, N.O.S MEDICINE, LIQUID,	3	6.1		Category A	
5240	FLAMMABLE, TOXIC, N.O.S	3	0.1		Calegory A	
3249		6.1		11	Category C	
	MEDICINE, SOLID, TOXIC,				SW2	
3249	N.O.S.	6.1			Category C	
0240	MEDICINE, SOLID, TOXIC,	0.1			SW2	
	N.O.S.					
3250		6.1	8	Ш	Category C SW2	
	CHLOROACETIC ACID, MOLTEN				0112	
3251		4.1		III	Category D	
					SW1 H2	
					H3	
	ISOSORBIDE-5-MONONITRATE					
3252		2.1			Category D	
	DIFLUOROMETHANE				SW2	
	(REFRIGERANT GAS R 32)					
3253	, , , , , , , , , , , , , , , , , , ,	8			Category A	SG35
	DISODIUM TRIOXOSILICATE					
3254	TRIBUTYLPHOSPHANE	4.2			Category D	SG44
3255		4.2	8	1	Category D	
	tert-BUTYL HYPOCHLORITE					
					Catagoni	
3256	ELEVATED TEMPERATURE	3		Ш	Category A	
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with	3		111	Category A	
	ELEVATED TEMPERATURE	-				
	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i	3		111	Category A	
	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE	-				
	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i	-			Category A	
3257	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin	-			Category A SW5 Category A	
3257	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE	9		111	Category A SW5	
3257 3258	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin	9		111	Category A SW5 Category A SW5	SG35
3257 3258	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID,	9		111	Category A SW5 Category A	SG35
3256 3257 3258 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8		III III I	Category A SW5 Category A SW5 Category A	
3257 3258	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE,	9		111	Category A SW5 Category A SW5	SG35 SG35
3257 3258 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8		III III I	Category A SW5 Category A SW5 Category A	
3257 3258 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8		III III I	Category A SW5 Category A SW5 Category A	
3257 3258 3259 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8 8		        	Category A SW5 Category A SW5 Category A Category A	SG35
3257 3258 3259 3259 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8 8 8 8			Category A SW5 Category A SW5 Category A Category A Category A	SG35
3257 3258 3259 3259	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60°C, at or above i ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (includin ELEVATED TEMPERATURE SOLID, N.O.S. at or above 240°C AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S. AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	9 9 8 8		        	Category A SW5 Category A SW5 Category A Category A	SG35

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3260	<b>a, b, c)</b> CORROSIVE SOLID, ACIDIC,	8			Category A	
3261	INORGANIC, N.O.S. CORROSIVE SOLID, ACIDIC,	8		1	Category B	
	ORGANIC, N.O.S.	-			<i>.</i> ,	
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8		11	Category B	
3261	CORROSIVE SOLID, ACIDIC,	8		111	Category A	
3262	ORGANIC, N.O.S. CORROSIVE SOLID, BASIC,	8		1	Category B	SG35
	INORGANIC, N.O.S.					
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8		11	Category B	SG35
3262	CORROSIVE SOLID, BASIC,	8		111	Category A	SG35
3263	INORGANIC, N.O.S. CORROSIVE SOLID,	8		1	Category B	SG35
2000	BASIC,ORGANIC, N.O.S. CORROSIVE SOLID,					0.005
3263	BASIC,ORGANIC, N.O.S.	8		11	Category B	SG35
3263	CORROSIVE SOLID,	8			Category A	SG35
3264	BASIC,ORGANIC, N.O.S.	8		1	Category B	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3264	INORGANIC, N.O.S.	8			Category B	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3264	INORGANIC, N.O.S.	8			Category A	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3265	INORGANIC, N.O.S.	8		1	Category B	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3265	ORGANIC, N.O.S.	8			Category B	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3265	ORGANIC, N.O.S.	8			Category A	
	CORROSIVE LIQUID, ACIDIC,				SW2	
3266	ORGANIC, N.O.S.	8		1	Category B	SG35
	CORROSIVE LIQUID, BASIC,	-			SW2	
3266	INORGANIC, N.O.S.	8			Category B	SG35
	CORROSIVE LIQUID, BASIC,				SW2	
3266	INORGANIC, N.O.S.	8			Category A	SG35
	CORROSIVE LIQUID, BASIC,				SW2	
3267	INORGANIC, N.O.S.	8		1	Category B	SG35
	CORROSIVE LIQUID, BASIC,				SW2	
3267	ORGANIC, N.O.S.	8			Category B	SG35
	CORROSIVE LIQUID, BASIC,				SW2	
3267	ORGANIC, N.O.S.	8			Category A	SG35
	CORROSIVE LIQUID, BASIC,				SW2	
3268	ORGANIC, N.O.S. AIR BAG INFLATORS or AIR BAG	9			Category A	
	MODULES or SEAT-BELT					
3269	PRETENSIONERS	3			Category B	
2260	POLYESTER RESIN KIT	3			<b>U</b> <i>V</i>	
3269	POLYESTER RESIN KIT	3		III	Category A	
3270	NITROCELLULOSE MEMBRANE	4.1		11	Category D	
	FILTERS with not more than					
3271	12.6% nitrogen, by dry mass	3			Category B	
	ETHERS, N.O.S.				Calegory B	
3271		3			Category A	
3272	ETHERS, N.O.S.	3		11	Category B	
2070	ESTERS, N.O.S.	2			<b>U V</b>	
3272	ESTERS, N.O.S.	3		Ш	Category A	
3273		3	6.1	1	Category E	SG35
	NITRILES, FLAMMABLE, TOXIC, N.O.S.				SW2	
3273	NITRILES, FLAMMABLE, TOXIC,	3	6.1	Ш	Category B	SG35
	N.O.S.				SW2	
3274	ALCOHOLATES SOLUTION,	3	8	11	Category B	

	PROPER SHIPPING NAME (Note: When there is more than				Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
3275	a, b, c)	6.1	3	1	Category B	SG35
	NITRILES, TOXIC, FLAMMABLE, N.O.S.		-		SW2	
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	11	Category B SW2	SG35
3276	N.O.S. NITRILES, TOXIC, LIQUID, N.O.S.	6.1		1	Category B	SG35
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1		11	Category B	SG35
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1			Category A	SG35
3277		6.1	8	11	Category A SW1 SW2	
	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.				H1 H2	
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID,	6.1		1	Category B	
3278	N.O.S. ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID,	6.1		11	Category B	
3278	N.O.S. ORGANOPHOSPHORUS COMPOUND, TOXIC, LIQUID,	6.1			Category A	
3279	N.O.S. ORGANOPHOSPHORUS COMPOUND, TOXIC,	6.1	3		Category B SW2	
3279	FLAMMABLE N.O.S. ORGANOPHOSPHORUS COMPOUND, TOXIC,	6.1	3		Category B SW2	
3280	FLAMMABLE N.O.S. ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		1	Category B	
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1			Category B	
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1			Category A	
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		I	Category D SW2	
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		11	Category B SW2	
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		111	Category B SW2	
3282	ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		I	Category B	
3282	ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		II	Category B	
3282	ORGANOMETALLIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		111	Category A	
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		1	Category B	
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		11	Category B	
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1			Category A	
3284	TELLURIUM COMPOUND, N.O.S.	6.1		1	Category B	
3284	TELLURIUM COMPOUND, N.O.S.	6.1		II 	Category B	
3284	TELLURIUM COMPOUND, N.O.S.	6.1			Category A	
3285 3285	VANADIUM COMPOUND, N.O.S.	6.1			Category B	
3285	VANADIUM COMPOUND, N.O.S.	6.1			Category B Category A	
3285	VANADIUM COMPOUND, N.O.S.	3	6.1/8		Category A	SG5
	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.				SW2	SG8
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	6.1/8	11	Category B SW2	SG5 SG8
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1			Category B SW2	

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3287		6.1		11	Category B	
	TOXIC LIQUID, INORGANIC, N.O.S.				SW2	
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1		111	Category A SW2	
3288	TOXIC SOLID, INORGANIC,	6.1			Category B	
3288	N.O.S. TOXIC SOLID, INORGANIC,	6.1			Category B	
3288	N.O.S. TOXIC SOLID, INORGANIC,	6.1			Category A	
3289	N.O.S. TOXIC LIQUID, CORROSIVE,	6.1	8	1	Category B SW2	
3289	INORGANIC, N.O.S. TOXIC LIQUID, CORROSIVE,	6.1	8		Category B SW2	
3290	INORGANIC, N.O.S. TOXIC SOLID, CORROSIVE,	6.1	8	1	Category B SW2	
3290	INORGANIC, N.O.S.	6.1	8		Category B	
	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	-			SW2	
3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL	6.2			SW28	
3292	BATTERIES, CONTAINING SODIUM or CELLS, CONTAINING SODIUM	4.3		11	Category A	
3293	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1		111	Category A	SG35
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	3P	1	Category D SW2	
3295	HYDROCARBONS, LIQUID,	3		1	Category E	
3295	N.O.S. HYDROCARBONS, LIQUID,	3			Category B	
3295	N.O.S. HYDROCARBONS, LIQUID,	3			Category A	
3296	N.O.S. HEPTAFLUOROPROPANE	2.2			Category A	
3297	(REFRIGERANT GAS R 227) ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHAN E MIXTURE with not more than 8.8% ethylene oxide	2.2			Category A	
3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	2.2			Category A	
3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	2.2			Category A	
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with	2.3	2.1		Category D SW2	
3301	more than 87% ethylene oxide CORROSIVE LIQUID, SELF- HEATING, N.O.S.	8	4.2	1	Category D	
3301	CORROSIVE LIQUID, SELF- HEATING, N.O.S.	8	4.2	11	Category D	
3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1			Category D SW1	
3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1		Category D SW2	
3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8		Category D SW2	
3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1/8		Category D SW2	SG4 SG9
3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1/8		Category D SW2	SG6 SG19
3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1		Category D SW2	

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3308	a, b, c)	2.3	8		Category D	
5500	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2.5	0		SW2	
3309	LIQUEFIED GAS, TOXIC,	2.3	2.1/8		Category D	SG4
	FLAMMABLE, CORROSIVE,	2.0			SW2	SG9
3310	N.O.S.	0.0	5.1/8		Catagory	SG6
3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1/8		Category D SW2	SG0 SG19
3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2.2	5.1		Category D	
3312	GAS, REFRIGERATED LIQUID,	2.1			Category D SW2	
3313	FLAMMABLE, N.O.S. ORGANIC PIGMENTS, SELF-	4.2			Category C	
	HEATING				•••	
3313	ORGANIC PIGMENTS, SELF- HEATING	4.2			Category C	
3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form, evolving flammable vapour	9		111	Category E SW1 SW6	SG5 SG14
3315		6.1		1	Category D SW2	
3316	CHEMICAL SAMPLE, TOXIC	9			Category A	
3317	CHEMICAL KIT or FIRST AID KIT 2-AMINO-4,6-DINITROPHENOL,	4.1			Category D	SG7
5517	WETTED with not less than 20% water, by mass	4.1		1		SG30
3318	AMMONIA SOLUTION relative density less than 0.880 at 15°C in water, with more than 50%	2.3	8		Category D SW2	SG35 SG46
3319	ammonia NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more	4.1			Category E	
3320	than 10% nitroglycerin, by mass SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION with not more than 12% sodium borohydride and not more than 40% sodium hydroxide,	8		11	Category A	SG35
3320	by mass SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION with not more than 12% sodium borohydride and not more than 40% sodium hydroxide, by mass	8			Category A	SG35
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7	See SP172		Category A SW20	
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7	See SP172		Category A SW20	
3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile- excepted	7	See SP172		Category A SW12	
3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7	See SP172		Category A SW12 SW20	
3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	7	See SP172		Category A SW12	
3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7	See SP172		Category A SW12	
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non- special form	7	See SP172		Category A SW12 SW20 SW21	
3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7	See SP172		Category A SW12	
3329	RADIOACTIVE MATERIAL, TYPE	7	See SP172		Category A	
3330	B(M) PACKAGE, FISSILE RADIOACTIVE MATERIAL, TYPE	7	See SP172		SW12 Category A	
3331	C PACKAGE, FISSILE RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT,	7	See SP172		SW12 Category A SW13	

	PROPER SHIPPING NAME (Note: When there is more than	•			Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
	a, b, c)					
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM,	7	See SP172		Category A	
3333	non fissile or fissile-excepted RADIOACTIVE MATERIAL, TYPE	7	See SP172		Category A	
0000	A PACKAGE, SPECIAL FORM, FISSILE	1	000 01 172		SW12	
3334	AVIATION REGULATED LIQUID,	9			-	
3335	N.O.S. AVIATION REGULATED SOLID,	9			-	
3336	N.O.S. MERCAPTANS, LIQUID,	3		1	Category E	SG50
	FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID,	U		ľ		SG57
	FLAMMABLE, N.O.S.				O ata mara D	0050
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID,	3			Category B	SG50 SG57
	FLAMMABLE, N.O.S.					
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or	3		111	Category B	SG50 SG57
	MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.					
3337	REFRIGERANT GAS R 404A	2.2			Category A	
3338	REFRIGERANT GAS R 407A	2.2			Category A	
3339	REFRIGERANT GAS R 407B	2.2			Category A	
3340	REFRIGERANT GAS R 407C	2.2			Category A	
3341	THIOUREA DIOXIDE	4.2		11	Category D	
3341		4.2			Category D	
3342	THIOUREA DIOXIDE	4.2			Category D	
	XANTHATES				SW2	
3342		4.2		111	Category D SW2	
3343	XANTHATES NITROGLYCERIN MIXTURE,	3			Category D	
	DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by	Ū				
3344	mass PENTAERYTHRITE	4.1			Category E	
3344	TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	4.1				
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		1	Category A SW2	
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		11	Category A SW2	
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		111	Category A SW2	
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	3	6.1	1	Category B SW2	
3346	flashpoint less than 23°C PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC	3	6.1	11	Category B SW2	
3347	flashpoint less than 23°C PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3	1	Category B SW2	
3347	flashpoint not than 23°C PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3	11	Category B SW2	
3347	flashpoint not less than 23°C PHENOXYACETIC ACID	6.1	3		Category A	
	DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE flashpoint not less than 23°C	0.1	Ĭ		SW2	

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	a, b, c)					
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE,	6.1		I	Category B SW2	
		0.4				
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE,	6.1		11	Category B SW2	
3348	LIQUID, TOXIC PHENOXYACETIC ACID	6.1			Cotogony	
5540	DERIVATIVE PESTICIDE, LIQUID, TOXIC	0.1			Category A SW2	
3349		6.1		1	Category A	
	PYRETHROID PESTICIDE, SOLID, TOXIC	0.1			SW2	
3349		6.1		11	Category A	
	PYRETHROID PESTICIDE, SOLID, TOXIC				SW2	
3349		6.1		III	Category A	
	PYRETHROID PESTICIDE, SOLID, TOXIC				SW2	
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC	3	6.1	1	Category B SW2	
	flashpoint less than 23°C					
3350	PYRETHROID PESTICIDE,	3	6.1	11	Category B	
	LIQUID, FLAMMABLE, TOXIC flashpoint less than 23°C				SW2	
3351	PYRETHROID PESTICIDE,	6.1	3	1	Category B	
	LIQUID, TOXIC, FLAMMABLE				SW2	
3351	flashpoint not less than 23°C PYRETHROID PESTICIDE,	6.1	3		Category B	
	LIQUID, TOXIC, FLAMMABLE	0.1	Ĭ	l"	SW2	
	flashpoint not less than 23°C					
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE	6.1	3		Category A SW2	
	flashpoint not less than 23°C					
3352	PYRETHROID PESTICIDE,	6.1		1	Category B SW2	
3352	LIQUID, TOXIC	6.1			Category B	
5552	PYRETHROID PESTICIDE, LIQUID, TOXIC	0.1			SW2	
3352		6.1		111	Category A	
	PYRETHROID PESTICIDE, LIQUID, TOXIC				SW2	
3354	INSECTICIDE GAS,	2.1			Category D	
0055	FLAMMABLE, N.O.S.	0.0	0.4		O ata mara D	
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1		Category D SW2	
3356	OXYGEN GENERATOR,	5.1			Category D	
0000	CHEMICAL	0.1			Category D	
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S	3		11	Category D	
	with not more than 30% nitroglycerin,					
3358	REFRIGERATING MACHINES	2.1			Category D	
	containing flammable, non-toxic, liquefied gas					
3359		9	1	1	Category B	
	FUMIGATED CARGO TRANSPORT UNIT				SW2	
3360	FIBRES, VEGETABLE, DRY	4.1			Category A	
3361		6.1	8	11	Category C	
	CHLOROSILANES, TOXIC,				SW2	
3362	CORROSIVE, N.O.S. CHLOROSILANES, TOXIC,	6.1	"3/8	11	Category C	SG5
500Z	CORROSIVE, FLAMMABLE,	0.1			SW2	SG8
3363	N.O.S. DANGEROUS GOODS IN	9			Category A	
	MACHINERY or DANGEROUS	-			32.97	
3364	GOODS IN APPARATUS TRINITROPHENOL (PICRIC	4.1		1	Category E	SG7
5004	ACID), WETTED with not less than	4.1			Calegoly E	SG30
3365	10% water, by mass TRINITROCHLOROBENZENE	4.1		1	Category E	SG7
	(PICRYL CHLORIDE), WETTED with not less than 10% water by	7.1		ľ		SG30
	mass					
3366	TRINITROTOLUENE (TNT), WETTED with not less than 10%	4.1		1	Category E	SG7 SG30
2207	water, by mass	A A			Cotomers	807
3367	TRINITROBENZENE, WETTED with not less than 10% water, by	4.1			Category E	SG7 SG30
	mass					0000

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
	a, b, c)					
3368	TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	4.1		1	Category E	SG7 SG30
3369	SODIUM DINITRO-o- CRESOLATE, WETTED with not less than 10% water, by mass	4.1	6.1P	1	Category E	SG7 SG30
3370	UREA NITRATE, WETTED with	4.1		1	Category E	SG7 SG30
3371	not less than 10% water, by mass	3			Category B	
3373	2-METHYLBUTANAL	6.2			Category C	
	BIOLOGICAL SUBSTANCE, CATEGORY B				SW2 SW18	
3374		2.1			Category D SW1 SW2	SG46
3375	ACETYLENE, SOLVENT FREE AMMONIUM NITRATE EMULSION or SUPENSION or GEL intermediate for blasting	5.1		11	Category D SW1	SG16 SG42 SG45 SG47 SG48 SG51 SG56 SG58 SG58 SG59 SG61
3376	explosives 4-NITROPHENYLHYDRAZINE, with not less than 30% water, by	4.1		1	Category E	SG7 SG30
3377	mass SODIUM PERBORATE	5.1		111	Category A SW1 SW23	SG59
3378	MONOHYDRATE SODIUM CARBONATE	5.1		11	H1 Category A SW1	SG59
3378	PEROXYHYDRATE	5.1			H1 Category A	SG59
	SODIUM CARBONATE PEROXYHYDRATE				SW1 SW23 H1	
3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3		1	Category D	SG30
3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1		1	Category D	SG7 SG30
3381	TOXIC BY INHALATION LIQUID, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC50	6.1		1	Category D SW2	
3382	TOXIC BY INHALATION LIQUID, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC50	6.1		I	Category D SW2	
3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC50	6.1	3	1	Category D SW2	
3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC50	6.1	3	1	Category D SW2	
3385	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC50	6.1	4.3		Category D SW2	

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Number	one packing group or PSN the UN No. has been annotated with	division	risk(s)	Group	and Handling	Segregation
3386	<b>a, b, c)</b> TOXIC BY INHALATION LIQUID,	6.1	4.3	1	Category D	
	WATER-REACTIVE, N.O.S. with				SW2	
	an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated					
	vapour concentration greater than					
	or equal to 10 LC50					
3387		6.1	4.3	I	Category D	
	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an				SW2	
	inhalation toxicity lower than or					
	equal to 200 ml/m <sup>3</sup> and saturated					
	vapour concentration greater than					
3388	or equal to 500 LC50 TOXIC BY INHALATION LIQUID,	6.1	5.1	1	Category D	
	OXIDIZING, N.O.S. with an	••••			SW2	
	inhalation toxicity lower than or					
	equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than					
	or equal to 10 LC50					
3389		6.1	8	I	Category D	
	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an				SW2	
	inhalation toxicity lower than or					
	equal to 200 ml/m <sup>3</sup> and saturated					
	vapour concentration greater than					
3390	or equal to 500 LC50 TOXIC BY INHALATION LIQUID,	6.1	8	1	Category D	
5550	CORROSIVE, N.O.S. with an	0.1	0	ľ	SW2	
	inhalation toxicity lower than equal					
	to 1000 ml/m <sup>3</sup> and saturated					
	vapour concentration greater than or equal to 10 LC50					
3391	ORGANOMETALLIC	4.2		1	Category D	
	SUBSTANCE, SOLID,					
3392	PYROPHORIC ORGANOMETALLIC	4.2			Category D	SG63
339Z	SUBSTANCE, LIQUID,	4.2			Category D	3663
	PYROPHORIC					
3393		4.2	4.3	1	Category D	SG35
	SUBSTANCE, SOLID, PYROPHORIC, WATER-					
	REACTIVE					
3394	ORGANOMETALLIC	4.2	4.3	I	Category D	SG35
	SUBSTANCE, LIQUID, PYROPHORIC, WATER-					SG63
	REACTIVE					
3395	ORGANOMETALLIC	4.3		I	Category E	SG35
	SUBSTANCE, SOLID, WATER- REACTIVE				SW2	
3395	ORGANOMETALLIC	4.3			Category E	SG35
	SUBSTANCE, SOLID, WATER-				SW2	
3395	REACTIVE ORGANOMETALLIC	4.3			Category E	SG35
0000	SUBSTANCE, SOLID, WATER-	4.0			SW2	0000
	REACTIVE					
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-	4.3	4.1	1	Category E SW2	SG35
	REACTIVE, FLAMMABLE				5002	
3396	ORGANOMETALLIC	4.3	4.1	11	Category E	SG35
	SUBSTANCE, SOLID, WATER-				SW2	
3396	REACTIVE, FLAMMABLE ORGANOMETALLIC	4.3	4.1		Category E	SG35
	SUBSTANCE, SOLID, WATER-	7.0			SW2	
000-	REACTIVE, FLAMMABLE	• -		ļ		0005
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-	4.3	4.2		Category E SW2	SG35
	REACTIVE, SELF-HEATING				0002	
3397	ORGANOMETALLIC	4.3	4.2	11	Category E	SG35
	SUBSTANCE, SOLID, WATER-				SW2	
3397	REACTIVE, SELF-HEATING ORGANOMETALLIC	4.3	4.2		Category E	SG35
	SUBSTANCE, SOLID, WATER-				SW2	
0000	REACTIVE, SELF-HEATING	1.0		<u> </u>		0005
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-	4.3			Category E SW2	SG35
	REACTIVE				0002	
3398	ORGANOMETALLIC	4.3		11	Category E	SG35
	SUBSTANCE, LIQUID, WATER-				SW2	
3398	REACTIVE ORGANOMETALLIC	4.3	-		Category E	SG35
	SUBSTANCE, LIQUID, WATER-	т.5			SW2	
	REACTIVE					
3399		4.3	3	1	Category D	SG35
	SUBSTANCE, LIQUID, WATER- REACTIVE, FLAMMABLE				SW2	

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3399	<b>a, b, c)</b> ORGANOMETALLIC	4.3	3		Category D	SG35
	SUBSTANCE, LIQUID, WATER- REACTIVE, FLAMMABLE	1.0	0	"	SW2	
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER- REACTIVE, FLAMMABLE	4.3	3	111	Category E SW2	SG35
3400	ORGANOMETALLIC SUBSTANCE, SOLID , SELF- HEATING	4.2		11	Category C	
3400	ORGANOMETALLIC SUBSTANCE, SOLID , SELF- HEATING	4.2		111	Category C	
3401	ALKALI METAL AMALGAM, SOLID	4.3		1	Category D	SG35
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3		1	Category D	SG35
3403	POTASSIUM METAL ALLOYS, SOLID	4.3		1	Category D	SG35
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3		1	Category D	SG35
3405		5.1	6.1	11	Category A	SG38 SG49
	BARIUM CHLORATE SOLUTION					SG62
3405		5.1	6.1		Category A	SG38 SG49 SG62
3406	BARIUM CHLORATE SOLUTION	5.1	6.1		Cotogony	SG38
5400	BARIUM PERCHLORATE	5.1	0.1		Category A	SG49 SG62
3406	SOLUTION	5.1	6.1		Category A	SG38
	BARIUM PERCHLORATE SOLUTION					SG49 SG62
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1		11	Category A	SG38 SG49 SG62
3407	CHLORATE AND MAGNESIUM	5.1		111	Category A	SG38 SG49 SG62
3408	CHLORIDE MIXTURE SOLUTION	5.1	6.1P	11	Category A	SG38 SG49
3408	SOLUTION	5.1	6.1P		Category A	SG38
	LEAD PERCHLORATE SOLUTION					SG49
3409	CHLORONITROBENZENES, LIQUID	6.1		11	Category A	
3410	4-CHLORO-0-TOLUIDINE HYDROCHLORIDE SOLUTION	6.1			Category A	
3411	beta-NAPHTHYLAMINE SOLUTION	6.1		11	Category A	
3411	beta-NAPHTHYLAMINE SOLUTION	6.1			Category A	
3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8		11	Category A SW2	
3412	FORMIC ACID with not less than 5% but less than 10% acid by mass	8		111	Category A SW2	
3413	POTASSIUM CYANIDE SOLUTION	6.1	Ρ	1	Category B	SG35
3413	POTASSIUM CYANIDE SOLUTION	6.1	P	11	Category B	SG35
3413	POTASSIUM CYANIDE SOLUTION	6.1	Ρ		Category A	SG35
3414	SOLUTION SODIUM CYANIDE SOLUTION	6.1	Ρ	1	Category B	SG35
3414	SODIUM CYANIDE SOLUTION	6.1	Р	11	Category B	SG35
3414	SODIUM CYANIDE SOLUTION	6.1	P		Category A	SG35
3415		6.1			Category A	SG35
3416	SODIUM FLUORIDE SOLUTION	6.1			Category D SW1	
	CHLOROACETOPHENONE, LIQUID				SW2 H2	

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3417	a, b, c)	6.1		11	Category D	
	XYLYL BROMIDE, SOLID				SW2	
3418	2,4-TOLUYLENEDIAMINE	6.1			Category A	
244.0					O ata na na A	
3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8		11	Category A	
3420	BORON TRIFLUORIDE	8		11	Category A	
	PROPIONIC ACID COMPLEX, SOLID					
3421		8	6.1	11	Category A	SG35
	POTASSIUM HYDROGEN				SW1 SW2	
	DIFLUORIDE SOLUTION				5002	
3421		8	6.1	111	Category A SW1	SG35
	POTASSIUM HYDROGEN				SW2	
3422	POTASSIUM FLUORIDE SOLUTION	6.1		111	Category A	SG35
3423	TETRAMETHYLAMMONIUM	8		11	Category A	SG35
3424	HYDROXIDE, SOLID	6.1	P		Category B	SG15
7727		0.1			Category D	SG16
						SG30
	AMMONIUM DINITRO-0- CRESOLATE SOLUTION					SG63
3424		6.1	Р		Category A	SG15
						SG16 SG30
	AMMONIUM DINITRO-0-					SG63
3425	CRESOLATE SOLUTION	8			Category A	
	BROMOACETIC ACID, SOLID	-			Category A	
3426		6.1		111	Category A SW1	
	ACRYLAMIDE SOLUTION				H2	
3427		6.1		111	Category A	
3428	SOLID 3-CHLORO-4-	6.1			Category B	
	METHYLPHENYLISOCYANATE,				SW2	
3429	SOLID	6.1			Category A	-
	CHLOROTOLUIDINES, LIQUID					
3430	XYLENOLS, LIQUID	6.1		Ш	Category A	
3431		6.1		11	Category A	
	NITROBENZOTRIFLUORIDES, SOLID				SW2	
3432	POLYCHLORINATED	9	Р		Category A	SG50
2404	BIPHENYLS, SOLID	0.4				
3434	NITROCRESOLS, LIQUID	6.1		ш	Category A	
3436		6.1		11	Category B	
	HEXAFLUOROACETONE HYDRATE, SOLID				SW2	
3437		6.1		11	Category A	
	CHLOROCRESOLS, SOLID				SW1 H2	
3438	alpha-METHYLBENZYL	6.1			Category A	
2400	ALCOHOL, SOLID	0.4				8025
3439	NITRILES, TOXIC, SOLID, N.O.S.	6.1			Category B	SG35
3439		6.1		11	Category B	SG35
3439	NITRILES, TOXIC, SOLID, N.O.S.	6.1		111	Category A	SG35
	NITRILES, TOXIC, SOLID, N.O.S.			<u> </u>		
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1		1	Category B	
3440	SELENIUM COMPOUND, LIQUID,	6.1			Category B	
	N.O.S. SELENIUM COMPOUND, LIQUID,	6.4			<b>U V</b>	
2440	N.O.S.	6.1		111	Category A	
3440		6.1	Р	11	Category A	SG15
3440 3441			1	1		
3441	CHLORODINITROBENZENES, SOLID	6 1	P	11	Category A	
	SOLID	6.1	Ρ	11	Category A SW2	
3441 3442			P		SW2	SC15
3441	SOLID DICHLOROANILINES, SOLID DINITROBENZENES, SOLID	6.1	P	 		SG15
3441 3442	SOLID DICHLOROANILINES, SOLID		P		SW2	SG15

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3446		6.1		11	Category A	
3447		6.1		11	Category A	
3448	NITROXYLENES, SOLID TEAR GAS SUBSTANCE, SOLID,	6.1		1	Category D SW2	
3448	N.O.S.	6.1			Category D	
3440	TEAR GAS SUBSTANCE, SOLID, N.O.S.	0.1			SW2	
3449	BROMOBENZYL CYANIDES, SOLID	6.1		1	Category D SW1 SW2 H2	SG35
3450	DIPHENYLCHLOROARSINE, SOLID	6.1	P	1	Category D SW2	
3451	TOLUIDINES, SOLID	6.1			Category A	
3452	XYLIDINES, SOLID	6.1		11	Category A	
3453	PHOSPHORIC ACID, SOLID	8			Category A	
3454	DINITROTOLUENES, SOLID	6.1		11	Category A	
3455	CRESOLS, SOLID	6.1	8	11	Category B	
3456	NITROSYLSULPHURIC ACID,	8		11	Category D SW2	SG6 SG16 SG17 SG19
3457	CHLORONITROTOLUENES, SOLID	6.1	P	111	Category A	SG6 SG8 SG10 SG12
3458		6.1			Category A	
3459	NITROANISOLES, SOLID NITROBROMOBENZENES, SOLID	6.1			Category A	
3460	N-ETHYLBENZYLTOLUIDINES, SOLID	6.1			Category A	
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		1	Category B	
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		11	Category B	
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		111	Category A	
3463	PROPIONIC ACID with not less than 90% acid by mass	8	3		Category A	
3464	ORGANOPHOSPHORUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1		1	Category B	
3464	ORGANOPHOSPHORUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1		11	Category B	
3464	ORGANOPHOSPHORUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1		111	Category A	
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1		Ι	Category B	
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1		II	Category B	
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1			Category A	
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		1	Category D SW2	
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		11	Category D SW2	
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		111	Category D SW2	
3467	ORGANOMETALLIC COMPOUND, TOXIC, SOLID, N.O.S.	6.1		1	Category B	
3467	ORGANOMETALLIC COMPOUND, TOXIC, SOLID, N.O.S.	6.1		11	Category B	

	PROPER SHIPPING NAME (Note: When there is more than				Stowage	
UN Number	one packing group or PSN the UN No. has been annotated with	Class or division	Subsidiary risk(s)	Packing Group	and Handling	Segregation
	a, b, c)				папаші	
3467	ORGANOMETALLIC	6.1		111	Category A	
	COMPOUND, TOXIC, SOLID, N.O.S.					
3468	HYDROGEN IN A METAL	2.1			Category D	
	HYDRIDE STORAGE SYSTEM or					
3469	HYDRIDE STORAGE SYSTEM PAINT, FLAMMABLE,	3	8	1	Category E	-
5403	CORROSIVE (including paint,	5	0	1	SW2	
	lacquer, enamel, stain, shellac,					
3469	varnish, PAINT, FLAMMABLE,	3	8		Cotogony P	
5409	CORROSIVE (including paint,	3	0	11	Category B SW2	
	lacquer, enamel, stain, shellac,					
	varnish,					
3469	PAINT, FLAMMABLE, CORROSIVE (including paint,	3		111	Category A SW2	
	lacquer, enamel, stain, shellac,				3002	
	varnish,					
3470		8	3	11	Category B	
	FLAMMABLE (including paint, lacquer, enamel, stain, shellac,				SW2	
	varnish,					
3471		8	6.1	11	Category A	SG35
	HYDROGENDIFLUORIDES				SW1 SW2	
	SOLUTION, N.O.S.				3002	
3471		8	6.1	111	Category A	SG35
					SW1	
	HYDROGENDIFLUORIDES SOLUTION, N.O.S.				SW2	
3472	30E0 HON, N.O.S.	8			Category A	
<u>.</u>					SW1	
0.470					H2	
3473	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES	3			Category A	
	CONTAINED IN EQUIPMENT or					
	FUEL CELL CARTRID					
3474	1-HYDROXYBENZOTRIAZOLE	4.1		I	Category D	SG7 SG30
	MONOHYDRATE					3630
3475	ETHANOL AND GASOLINE	3		11	Category E	
	MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL					
	MIXTURE, with more than 10%					
	ethanolMIXTURE, with more than					
3476	10% ethanol FUEL CELL CARTRIDGES or	4.3			Category A	
0470	FUEL CELL CARTRIDGES	4.0			Category A	
	CONTAINED IN EQUIPMENT or					
	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT,					
	containing water-reactive					
	substances					
3477	FUEL CELL CARTRIDGES or	8			Category A	
	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or					
	FUEL CELL CARTRID					
3478		2.1			Category B	
	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES					
	CONTAINED IN EQUIPMENT or					
	FUEL CELL CARTRIDGES					
	PACKED WITH EQUIPMENT,					
3479	containing liquefied flammable gas FUEL CELL CARTRIDGES or	2.1			Category B	
	FUEL CELL CARTRIDGES					
	CONTAINED IN EQUIPMENT or					
	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT,					
	containing hydrogen in metal					
	hydride					
3480		9		II	Category A	
	(including lithium ion polymer batteries)					
3481	LITHIUM ION BATTERIES	9		11	Category A	
	CONTAINED IN EQUIPMENT or	-			0. 9. 1	
	LITHIUM ION BATTERIES					
	PACKED WITH EQUIPMENT (including lithium ion polymer					
	batteries)		1	1		

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3482	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	3	1	Category D	SG35
3483		6.1	3	1	Category D SW1	
3484	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE HYDRAZINE, AQUEOUS	8	"3/6.1	1	SW2 Category D	SG5
	SOLUTION, FLAMMABLE with more than 37% hydrazine, by mass				SW2	SG8 SG35
3485	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available	5.1	8	II	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
3486	oxygen) CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	8	111	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE, with not less than 5.5% but not more than 16% water	5.1	8	11	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE, with not less than 5.5% but not more than 16% water	5.1	8	111	Category D SW1 SW11	SG35 SG38 SG49 SG53 SG60
3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, 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	6.1	"3/8	1	Category D SW2	SG5 SG8
3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC50 lower than or equal to 1000 ml/m3 and saturated vapour concentration greater than or equal to 10 LC50	6.1	"3/8		Category D SW2	SG5 SG8
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	6.1	4.3/3	1	Category D SW2	SG5 SG7 SG13
3491	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC50 lower than or equal to 1000 ml/m3 and saturated vapour concentration greater than or equal to 10 LC50	6.1	4.3/3	1	Category D SW2	SG5 SG7 SG13
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3		1	Category D SW2	
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3		11	Category D SW2	
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3		111	Category C SW2	
3495	IODINE	8	6.1	111	Category B SW2	SG37

UN Number	PROPER SHIPPING NAME (Note: When there is more than one packing group or PSN the UN No. has been annotated with a, b, c)	Class or division	Subsidiary risk(s)	Packing Group	Stowage and Handling	Segregation
3496	BATTERIES, NICKEL-METAL HYDRIDE	9			Category A SW1	
3497	KRILL MEAL	4.2		11	Category B SW27	SG65
3497	KRILL MEAL	4.2			Category A	
3498	IODINE MONOCHLORIDE, LIQUID	8		11	Category D SW2	SG6 SG16 SG17 SG19
3499	CAPACITOR, electric double layer (with an energy storage capacity greater than 0.3 Wh)	9			Category A	
3500	CHEMICAL UNDER PRESSURE, N.O.S.	2.2			Category B	
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2.1			Category D SW2	
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2.2	6.1		Category D SW2	
3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2.2	8		Category D SW2	
3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2.1	6.1		Category D SW2	
3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2.1	8		Category D SW2	
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	6.1	111	Category B SW2	SG24

0082	in column (9), delete "PP65".
0241	in column (9), delete "PP65".
0331	in column (9), delete "PP65".
0332	in column (9), delete "PP65".
0222	Amend column (2) to read "AMMONIUM NITRATE". In column (6) insert "370". In column (10) insert "IBC100"; In column (11), insert "B2, B3, B17".
0503	In column (2), amend name to read: "SAFETY DEVICES, PYROTECHNIC".
1005	in column (4) insert "P"
1008	In column (6), replace "-" with "373"
1043	in column (7b) amend the code to read "E0".
1044	in column (9), insert "PP91".
1051 PG I	in column (7b) amend the code to read "E0".
1082	in column (2), add "(REFRIGERANT GAS R 1113)" at the end.
1089 PG I	in column (7b) amend the code to read "E0".
1098	in column (4) insert "P"
1183 PG I	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
1206	in column (4) insert "P".
1210	in column (6), insert "367".
1228 PG II	in column (7b) amend the code to read "E0".
1242 PG I	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
1259 PG I	in column (7b) amend the code to read "E0".
1261 PG II	in column (7b) amend the code to read "E0".
1262	in column (4) insert "P"
1263	in column (6), insert "367".
1272	in column (4) insert "P"
1278	in column (7b) amend the code to read "E0".
PG II	
1295	in column (16)a insert "H1" and in column (16b) "SG25" and "SG26"
PGI	

in column (1) and in column (18), the first existing row in the dangerous goods list

In the dangerous goods list, amend the following entries as follows:

"0005" is replaced with "0004".

0005

in column (4) insert "P"

1295 PG I 1299

1308	in column (7b) amend the code to read "E0".
PG I	
1309	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG II	
1309	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG III	
1323	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
1331	in column (7b) amend the code to read "E0".
PG III	
1333	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG II	
1334	in column (4) insert "P"
1339	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG II	
1340	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
	in column (16a) incort "11" and in column (16b) "8005" and "8006"
1343	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG II	
1357	in column (6) delete "919"
1358	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG II	
1360	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1361	in column (7b) amend the code to read "E0".
PG II and	
PG III	
1363	in column (7b) amend the code to read "E0".
PG III	
1364	in column (7b) amend the code to read "E0".
PG III	
1365	in column (7b) amend the code to read "E0".
PG III	
1373	in column (7b) amend the code to read "E0".
PG III	
1376	in column (7b) amend the code to read "E0";
PG III	in column (16a) insert "H1" and in column (16b) "SG26"
1378	in colum (7b) amend the code to read "E0".
PG II 1379	in column (7b) amend the code to read "E0".
	In column (7b) amend the code to read $\ge 0$ .
PG III	
1380	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
1383	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
1386	in column (7b) amend the code to read "E0".
PG III	
1389	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1390	in column (16a) insert "H1" and in column (16b) "SG26"
PGII	· · · · · · · · · · · · · · · · · · ·

1391 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1392	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	in column (roa) insert frif and in column (rob) 5620
1393	in column (16a) insert "H1" and in column (16b) "SG26"
PGII	
1394	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1395	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1396	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1396	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
1397	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
101	
1398	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
	in column (160) incort "111" and in column (10b) "COCC"
1400	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1401	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1402	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1402	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1403	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
1404	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1405	in column (16a) insert "H1" and in column (16b) "SG26"
PGII	
1405	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
1407	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
1408	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
-	in column (16a) insert "H1" and in column (16b) "SG26"
1409 BC I	
PG I	in column (40c) incert     4   and in column (40c)   0000
1409	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
1410	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1411	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1413	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1414	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
·	·

1415 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1417 PG II	in column (16a) insert "H1" and in column (16b) "SG26"
1418 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1418 PG II and PG III	in column (16a) insert "H1" and in column (16b) "SG26"
1419 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1420 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1421 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
1422 PG I	in column (16a) insert "H1" and in column (16b) "SG26" in column (16a) insert "H1" and in column (16b) "SG26"
1423 PG I 1426	in column (16a) insert "H1" and in column (16b) "SG26"
PG I 1427	in column (16a) insert "H1" and in column (16b) "SG26"
PG I 1428	in column (16a) insert "H1" and in column (16b) "SG26"
PG I 1432	in column (16a) insert "H1" and in column (16b) "SG26"
PG I 1433	in column (16a) insert "H1" and in column (16b) "SG26"
PG I 1435	in column (16a) insert "H1" and in column (16b) "SG26"
PG III 1436 PG I, II and PG III	in column (16a) insert "H1" and in column (16b) "SG26"
1449 PG II	in column (16a) replace "Category "A" with "Category C"; in column (16a) insert "H1" and in column (16b) "SG26"
1457 PG II	in column (16a) replace "Category "A" with "Category C" and insert "H1"; in column (16)b "SG26"
1472 PG II	in column (16a) replace "Category "A" with "Category C" and insert "H1"; in column (16b) "SG26"
1476 PG II	in column (16a) replace "Category "A" with "Category C" and insert "H1"; in column (16b) "SG26"
1483 PG II and III	in column (16a) replace "Category "A" with "Category C" and insert "H1"; in column (16b) "SG26"
1491 PG I	in column (16a) replace "Category "B" with "Category C" and insert "H1"; in column (16b) "SG26"

1504	in column (16a) replace "Category B" with "Category C" and insert "H1";
PG I	in column (16b) "SG26"
1509 DC II	in column (16a) replace "Category "A" with "Category C" and insert "H1";
PG II	in column (16b) "SG26"
1516 PG II	in column (16a) replace "Category "A" with "Category C" and insert "H1"; in column (16b) "SG26"
1545	in column (7b) amend the code to read "E0".
PG II	
1547	in column (4) insert "P"
1560	in column (7b) amend the code to read "E0".
PGI	
1567	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PGII	
1569	in column (7b) amend the code to read "E0".
PGII	
1583	in column (7b) amend the code to read "E0".
all packing	
groups	
1600	in column (4) insert "P"
1603	in column (7b) amend the code to read "E0".
PG II	
1613	in column (7b) amend the code to read "E0".
PG I	
1614	in colum (7b) amend the code to read "E0".
PG I	
1649	in column (7b) amend the code to read "E0".
PG I	
1672	in column (7b) amend the code to read "E0".
PGI	
1693	in column (7b) amend the code to read "E0".
PG I and	
PG II	
1694	in column (7b) amend the code to read "E0".
PG I	in column (7b) amond the code to read "E0"
1697 PC II	in column (7b) amend the code to read "E0".
PG II 1698	in column (7b) amend the code to read "E0".
PG I	
1699	in column (7b) amend the code to read "E0".
PGI	
1700	in column (5), delete the packing group.
1701	in colum (7b) amend the code to read "E0".
PGII	
1708	in column (4) insert "P"
1714	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
1722	in column (7b) amend the code to read "E0".
PG I	
1732	in column (7b) amend the code to read "E0".
PG II	
1748	in column (4) insert "P"

1792	in column (7b) amend the code to read "E0".
PG II	
	in column (7b) emand the code to read $  \Gamma_0  $
1796	in colum (7b) amend the code to read "E0".
PG II	in a channel (7b) concerned the conductor many UFOU
1802	in column (7b) amend the code to read "E0".
PG II	
1806	in column (7b) amend the code to read "E0".
PG II	
1808	in column (7b) amend the code to read "E0".
PG II	
1826	in column (7b) amend the code to read "E0".
PG II	
1832	in column (7b) amend the code to read "E0".
PG II	
1837	in column (7b) amend the code to read "E0".
PG II	
1840	in column (4) insert "P"
1854	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1855	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1868	in column (7b) amend the code to read "E0".
PG II	
1869	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG III	
1870	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1889	in column (7b) amend the code to read "E0".
PG I	
1906	in column (7b) amend the code to read "E0".
PG II	
1920	in column (4) insert "P"
1928	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
1932	in column (7b) amend the code to read "E0";
PG III	in column (16a) insert "H1" and in column (16b) "SG26"
1939	in colum (7b) amend the code to read "E0".
PG II	
1942	Amend column (2) to read "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".
2002	in column (7b) amend the code to read "E0".
PG III	
2004	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
2006	in column (7b) amend the code to read "E0".
PG III	
2008	in column (16a) insert "H1" and in column (16b) "SG26"
PG II and	
2009	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	

2010	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
2011 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
2012 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
2013 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
2016	in column (5), delete the packing group.
2017	in column (5), delete the packing group.
2030 PG II	in column (7b) amend the code to read "E0".
2038	in column (4) insert "P"
2073	in column (7b) amend the code to read "E0". in column (4) insert "P"
2208	in column (4) insert "P"
2210 PG III	in column (16a) insert "H1" and in column (16b) "SG26"
2212 PG II	in column (2) amend the name to read "ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)"; in column (6) insert "274"; in column (7b) amend the code to read "E0"; in column (16a) insert "H4"; in column (17) delete the fifth sentence "Crocidolite (blue asbestos) should be regarded as the most hazardous type of asbestos." and the last two sentences "If cleaning of cargo spaces must be carried out at sea, the safety procedures followed and standard of equipment used must be at least as effective as those which would be employed in a port. Until such cleaning is undertaken, the cargo spaces in which the asbestos has been carried should be closed and access to those spaces should be prohibited."
2217 PG III	in column (7b) amend the code to read "E0".
2218	in column (4) insert "P"
2241	in column (4) insert "P"
2249 PG I	in column (7b) amend the code to read "E0".
2254 PG III	in column (7b) amend the code to read "E0".
2257 PG I	in column (16a) insert "H1" and in column (16b) "SG26"
2295 PG I	in column (7b) amend the code to read "E0".
2304	in column (4) insert "P"
2325	in column (4) insert "P" in column (4) insert "P"

2363	in colum (7b) amend the code to read "E0".
PG I 2368	in column (4) incort "D"
2300	in column (4) insert "P" in column (4) insert "P"
PG II	in colum (7b) amend the code to read "E0".
2404	in colum (7b) amend the code to read "E0".
PG II	
2438	in column (7b) amend the code to read "E0".
PGI	
2441	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
2442	in column (7b) amend the code to read "E0".
PG II	
2443	in column (7b) amend the code to read "E0".
PG II	
2463	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
2466	in column (16a) replace "Category E" with "Category D" and insert "H1";
PG I	in column (16b) "SG26"
2545	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
2546	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
 2547	in column (16a) replace "Category E" with "Category D" and insert "H1";
PGI	in column (16b) "SG26"
101	
2558	in colum (7b) amend the code to read "E0".
PGI	
2590	in column (2) amend the name to read "ASBESTOS, CHRYSOTILE";
	In column (16a) insert "H4"
	in column (17) delete the last two sentences "If cleaning of cargo spaces must be
	carried out at sea, the safety procedures followed and standard of equipment used
	must be at least as effective as those which would be employed in a port. Until
	such cleaning is undertaken, the cargo spaces in which the asbestos has been
	carried should be closed and access to those spaces should be prohibited."
2624	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
2626	in column (7b) amend the code to read "E0".
PG II	
2672	in column (4) insert "P"
2691	in column (7b) amend the code to read "E0".
PG II	
2709	in column (4) insert "P".
2740	in column (7b) amend the code to read "E0".
PG I	in column (7b) amond the code to read "E0"
2743 DC II	in column (7b) amend the code to read "E0".
PG II	

0740	
2749	in column (7b) amend the code to read "E0".
PGI	
2793	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
2798	in column (7b) amend the code to read "E0".
PG II	
2799	in column (7b) amend the code to read "E0".
PG II	
2805	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
2813	in column (16a) insert "H1" and in column (16b) "SG26"
PG I, II	
and PG III	
2826	in column (7b) amend the code to read "E0".
PG II	
2830	in column (16a) insert "H1" and in column (16b) "SG26"
PG II	
2835	in column (7b) amond the code to read "E0"
	in column (7b) amend the code to read "E0".
PG II	in column (16a) insert "H1" and in column (16b) "SG26"
2844	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
2845	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
2846	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
2850	in column (4) insert "P"
2858	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG III	
2870	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
(both	
entries)	
2878	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG III	
2880	in column (4) insert "P"
all packing	
groups	in column (7b) amond the code to read "E0"
2881	in column (7b) amend the code to read "E0".
PG II	
2881	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG I, II	
and	
PG III	
2910	in column (6) delete "325" and insert "368"
2950	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
2956	in column (7b) amend the code to read "E0".
PG III	
2965	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PGI	
2968	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
1011	

2977	in column (6) delete special provision "172".
2978	in column (6) delete special provision "172".
2988	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
3048	in column (7b) amend the code to read "E0".
PG I	
3066	in column (6), insert "367".
3077	in column (6), insert "969".
3078	in column (16a) insert "H1" and in column (16b) "SG26"
PG II 3082	in column (6) incort "060"
	in column (6) insert"969". in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
3089 PG II	in column (16a) insert HT and in column (16b) SG25 and SG26
3089	in column (10) replace "IBC 06" by "IBC 08";
PGIII	in column (10) replace TBC 06 By TBC 08 , in column (11) insert "B2 and B4"
FOIII	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
3090	in column (5), delete the packing group;
	in column (6), delete "957" and insert "376" and "377";
	in column (8) insert "P908, P909", "LP903" and "LP904";
	in column (16a) insert "SW19".
3091	in column (5), delete the packing group,
	in column (6) delete "957" and insert "376" and "377",
	in column (8) insert "P908, P909", "LP903" and "LP904"
	in column (16a) insert "SW19".
3094	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and	
PG II	
3096	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and	
PG II	
3097	in column (7b) amend the code to read "E0".
PG II and	
PG III	
3100	in column (7b) amend the code to read "E0".
PG II	
3121	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and	
PG II	
3121	in column (7b) amend the code to read "E0".
PG II	
3122	in column (7b) amend the code to read "E0".
PG I	
3123	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and	
PG II	
3123	in column (7b) amend the code to read "E0".
PGI	
3125	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and II	

3127	in column (7b) amend the code to read "E0".
PG II and	
PG III	
3129	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
PG III	
3129	in column (7b) amend the code to read "E0".
PG II	
3130	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
PG III	
3130	in column (7b) amend the code to read "E0".
PG II	
3131	in column (16a) insert "H1" and in column (16b) SG26"
PG I, II	
and PG III	
3132	in column (16a) insert "H1" and in column (16b) "SG26"
PG I, II	
and PG III	
3133	in column (7b) amend the code to read "E0".
PG II and	in column (16a) insert "H1" and in column (16b) "SG26"
PG III	
3134	in column (16a) insert "H1" and in column (16b) "SG26"
PG I, II	
and PG III	
3135	in column (16a) insert "H1" and in column (16b) "SG26"
PG I, II	
and PG III	
3137	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PGI	
3148	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
PG III	in column (6), insert "371".
3164	
2460	in column (6) incort "CD 070"
3166	in column (6) insert "SP 970".
0470	
3170	in column (16a) insert "H1" and in column (16b) "SG26"
PG II and	
PG III	
3189	in column (16a) insert "H1" and in column (16b) "SG26"
PG II and	
3194	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
3200	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
3208	in column (16a) insert "H1" and in column (16b) "SG26"
PG I and	
111	
111	

0000	
3208	in column (7b) amend the code to read "E0";
PG II	in column (16a) insert "H1" and in column (16b) "SG26"
2200	in column (16c) incert "114" and in column (16c) "CCCC"
3209	in column (16a) insert "H1" and in column (16b) "SG26"
PG I,	
PG II and	
PG III	
3242	in column (7b) amend the code to read "E0".
PG II	
3251	in column (7b) amend the code to read "E0".
PG III	
3268	in column (2), amend the name to read: "SAFETY DEVICES, electrically initiated" and in column (5), delete the packing group.
3292	in column (5), delete the packing group;
0202	in column (16a) insert "H1" and in column (16b) "SG26"
3294	in column (7b) amend the code to read "E0".
PG I	
3315	in column (7b) amend the code to read "E0".
PGI	
3316	delete the existing entry
5510	(note: the replacement for this entry is shown in the table for new entries)
3318	in column (4) insert "P"
3336	in column (7b) amend the code to read "E0".
PGI	
3356	in column (5), delete the packing group.
3330	in column (5), delete the packing group.
3375	In column (8), replace "P099" by "P505"; in column (10) replace "IBC99" by
0070	"IBC02" and in column (11), insert "B16".
3378	In column (6) delete "967". (Amendment applies to the printed version only)
PG II	
	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3386	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3391	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
	in column (16a) insert "H1" and in column (16b) "SG26"
3392 PG I	
	in column (14) Incort "TP41"
3393 BC I	in column (14) Insert "TP41".
PG I	in column (16a) insert "H1" and in column (16b) "SG26"
3394	in column (14) Insert "TP41";
PGI	in column (14) insert "H1" and in column (16b) "SG26"
3395	in column (14) Insert "TP41";
all packing	in column (16a) insert "H1" and in column (16b) "SG26"
•	
groups 3396	in column (14) Insert "TP41";
	in column (14) insert "H4", in column (16a) insert "H1" and in column (16b) "SG26"
groups	

3397	in column (14) Insert "TP41";
all packing	in column (16a) insert "H1" and in column (16b) "SG26"
groups	
3398	in column (14) Insert "TP41";
all packing	in column (16a) insert "H1" and in column (16b) "SG26"
groups	
3399	in column (14) Insert "TP41";
all packing	in column (16a) insert "H1" and in column (16b) "SG26"
groups	
3401	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3402	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3403	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3404	in column (16a) insert "H1" and in column (16b) "SG26"
PGI	
3416	in column (7b) amend the code to read "E0".
PG II	
3422	In column (15) replace "S-B" with "S-A".
3448	in column (7b) amend the code to read "E0".
PG I and	
PG II	
3450	in column (7b) amend the code to read "E0".
PG I	
3451	in column (4) insert "P"
3454	in column (4) insert "P"
0.100	
3469	in column (6), insert "367".
0.470	
3470	in column (6), insert "367".
0.470	$\frac{1}{2}$
3476	in column (16a) insert "H1" and in column (16b) "SG26"
2490	in column (E), delate the peopling group:
3480	in column (5), delete the packing group;
	in column (6) delete "957" and insert "376" and "377"; in column (8) insert "P008, P009", "I P003" and "I P004";
	in column (8) insert "P908, P909", "LP903" and "LP904"; in column (16a) insert "SW19".
	in column (roa) insert SW19.
3481	in column (5), delate the packing group:
3401	in column (5), delete the packing group; in column (6) delete "957" and insert "376" and "377";
	in column (8) insert "P908, P909", "LP903" and "LP904"
	in column (6) insert "SW19".
3482	in column (16a) insert "H1" and in column (16b) "SG26"
PG I	
3483	in column (7b) amend the code to read "E0"
PG I	
3485	in column (4) insert "P"
3486	in column (4) insert "P"
J <del>-</del> 00	

3487	in column (4) insert "P"
all packing	
groups	
3490	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG I	
3491	in column (16a) insert "H1" and in column (16b) "SG25" and "SG26"
PG I	
3498	in column (7b) amend the code to read "E0"
PG II	
3499	In column (2) amend the proper shipping name to read as follows: "CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3Wh)"
3506	in column (5), delete the packing group.

## 3.2.1 Dangerous Goods List

(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16a)	(16b)	(17)
3316		9	-	Ш	251 340	See SP 251	See SP 340	P901	-	-	-	-	-	-	F-A, S-P	Category A.		-
3316	CHEMICAL KIT or FIRST AID KIT	9		Ш	251 340	See SP 251	See SP 340	P901	-	-	-	-	-	-	F-A, S-P	Category A.		-
3507	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non- fissile or fissile-excepted	8	7	Ι	317 369	0	EO	P805	-	-	-	-	-	-	<u>F-I, S-S</u>	Category A, SW12		See 1.5.1.
3508	CAPACITOR, ASYMMETRIC (with an energy storage capacity greater than 0.3Wh)	9	-	-	372	0	E0	P003	-	-	-	-	-	-		Category A		Articles intended to store energy containing positive and negative electrodes comprised of different materials and an electrolyte. Asymetric capacitors may be transported in a charged state.
3509	PACKAGING DISCARDED, EMPTY, UNCLEANED	9			968	0	EO	-	-	-	-	-	-	-		-		This entry shall not be used for sea transport. Discarded packaging shall meet the requirements of 4.1.1.11. Discarded packaging means packagings, large packagings or intermediate bulk containers (IBC), or parts thereof, which have contained dangerous goods, other than radioactive material, which are transported for disposal, recycling or recovery of their material, other than reconditioning, repair, routine maintenance, remanufacturing or reuse, and which have been emptied to the extent that only residues of dangerous goods adhering to the packaging parts are present.
3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2.1	-	-	274	0	E0	P208	-	-	-	-	-	-	F-D, S-U	Category D. SW2		-
3511	ADSORBED GAS, N.O.S.	2.2		-	274		E0	P208	-	-	-	-	-	-	F-C, S-V	Category A.		-
3512	ADSORBED GAS, TOXIC, N.O.S.	2.3		-	274	0	E0	P208	-	-	-	-	-	-	F-C, S-U	Category D. SW2		-
3513	ADSORBED GAS, OXIDIZING, N.O.S.	2.2	5.1	-	274	0	E0	P208	-	-	-	-	-	-	<u>F-C</u> . S-W	Category D.		-
3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	-	274	0	E0	P208	-	-	-	-	-	-	F-D, S,-U	Category D. SW2		-
3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1	-	274	0	E0	P208	-	-	-	-	-	-	<u>F-C</u> , S-W	Category D. SW2		-
3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8	-	274	0	E0	P208	-	-	-	-	-	-	F-C, S-U	Category D. SW2		-
3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8	-	274	0	E0	P208	-	-	-	-	-	-	F-D, S-U	Category D. SW2	SG4 SG9	-

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(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16a)	(16b)	(17)
	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1 8	-	274	0	E0	P208	-	-	-	-	-	-		Category D. SW2	SG6 SG19	-
	BORON TRIFLUORIDE, ADSORBED	2.3	8	-		0	EO	P208	-	-	-	-	-	-	F-C, S-U	Category D. SW2		Non-flammable, toxic and corrosive gas. Forms dense white corrosive fumes in moist air. Reacts violently with water, evolving hydrogen fluoride, an irritating and corrosive gas apparent as white fumes. In the presence of moisture, highly corrosive to glass and most metals. Much heavier than air (2.35). Highly irritating to skin, eyes and mucous membranes.
3520	CHLORINE, ADSORBED	2.3	5.1 8	-		0	EO	P208	-	-	-	-	-	-	F-C, S-W	Category D. SW2	SG6 SG19	Non-flammable, toxic and corrosive yellow gas with a pungent odour. Corrosive to glass and to most metals. Much heavier than air (2.4). Highly irritating to skin, eyes and mucous membranes. Powerful oxidant which may cause fire.
	SILICON TETRAFLUORIDE, ADSORBED	2.3	8	-		0	EO	P208	-	-	-	-	-	-		Category D. SW2		Non-flammable, toxic and corrosive gas with a pungent odour. Corrosive to metals. In moist air, produces hydrogen fluoride. Much heavier than air (3.6). Highly irritating to skin, eyes and mucous membranes.
3522	ARSINE, ADSORBED	2.3	2.1	-		0	E0	P208	-	-	-	-	-	-	F-D, S-U	Category D. SW2.		Flammable, toxic, colourless gas with a garlic odour. Explosive limits: 3.9% to 77.8%. Much heavier than air (2.8).
3523	GERMANE, ADSORBED	2.3	2.1	-		0	E0	P208	-	-	-	-	-	-	F-D, S-U	Category D. SW2		Flammable, toxic, colourless gas with a pungent odour. Much heavier than air (2.6)
	PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3	8	-		0	EO	P208	-	-	-	-	-	-		Category D. SW2		Non-flammable, toxic and corrosive gas with an irritating odour. Reacts with water or moist air to produce toxic and corrosive fumes. Corrosive to glass and to most metals. Much heavier than air (4.3). Highly irritating to skin, eyes and mucous membranes.
3525	PHOSPHINE, ADSORBED	2.3	2.1	-		0	E0	P208	-	-	-	-	-	-		Category D. SW2		Flammable, toxic, colourless gas with a garlic odour. Ignites spontaneously in air. Heavier than air (1.2). Irritating to skin, eyes and mucous membranes.
3526	HYDROGEN SELENIDE, ADSORBED	2.3	2.1	-		0	E0	P208	-	-	-	-	-	-	F-D, S-U	Category D. SW2		Flammable, toxic, colourless gas with a disagreeable odour. Much heavier than air (2.8). Highly irritating to skin, eyes and mucous membranes.

## Chapter 3.3 – Special provisions applicable to certain substances, materials or articles

Amend the following Special Provisions as indicated hereunder:

SP 66 Amend to read as follows:

"Cinnabar is not subject to the provisions of this Code".

SP 122 At the end, add: ", 4.1.4.2 packing instruction IBC520 and 4.2.5.2.6 portable tank instruction T23."

- SP 135 Amend to read as follows:
  - "135 The dihydrated sodium salt of dichloroisocyanuric acid does not meet the criteria for inclusion in Class 5.1 and is not subject to the provisions of this Code unless meeting the criteria for inclusion in another Class or Division."

SP 172 Amend to read as follows:

- "172 Where a radioactive material has (a) subsidiary risk(s):
  - .1 The substance shall be allocated to Packing Group I, II or III, if appropriate, by application of the packing group criteria provided in part 2 corresponding to the nature of the predominant subsidiary risk;
  - .2 Packages shall be labelled with subsidiary risk labels corresponding to each subsidiary risk exhibited by the material; corresponding placards shall be affixed to cargo transport units in accordance with the relevant provisions of 5.3.1;
  - .3 For the purposes of documentation and package marking, the proper shipping name shall be supplemented with the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s) and which shall be enclosed in parenthesis;
  - .4 The dangerous goods transport document shall indicate the subsidiary class or division and, where assigned the packing group as required by 5.4.1.4.1.4 and 5.4.1.4.1.5.

For packing, see also 4.1.9.1.5."

SP 225 At the end, add:

"Fire extinguishers shall be manufactured, tested, approved and labelled according to the provisions applied in the country of manufacture. Fire extinguishers under this entry include:

- .1 portable fire extinguishers for manual handling and operation;
- .2 fire extinguishers for installation in aircraft;

- .3 fire extinguishers mounted on wheels for manual handling;
- .4 fire extinguishing equipment or machinery mounted on wheels or wheeled platforms or units transported similar to (small) trailers, and
- .5 fire extinguishers composed of a non-rollable pressure drum and equipment, and handled e.g. by fork lift or crane when loaded or unloaded."

SP 235 Amend to read as follows:

- "235 This entry applies to articles which contain Class 1 explosive substances and which may also contain dangerous goods of other classes. These articles are used to enhance safety in vehicles, vessels or aircraft – e.g. air bag inflators, air bag modules, seat-belt pretensioners, and pyromechanical devices."
- SP 251 Insert the following new third paragraph after "to any individual substance in the kit":

"Where the kit contains only dangerous goods to which no packing group is assigned, no packing group need be indicated on the dangerous goods transport document."

- SP 280 Amend to read as follows:
  - "280 This entry applies to safety devices for vehicles, vessels or aircraft, e.g. air bag inflators, air bag modules, seat-belt pretensioners, and pyromechanical devices, which contain dangerous goods of Class 1 or of other classes, when transported as component parts and if these articles as presented for transport have been tested in accordance with Test Series 6(c) of Part 1 of the Manual of Tests and Criteria, with no explosion of the device, no fragmentation of device casing or pressure receptacle, and no projection hazard nor thermal effect which would significantly hinder fire-fighting or emergency response efforts in the immediate vicinity. This entry does not apply to life saving appliances described in special provision 296 (UN Nos. 2990 and 3072)."
- SP 289 Amend to read as follows:
  - "289 Safety devices, electrically initiated and safety devices, pyrotechnic installed in vehicles, vessels or aircraft or in completed components such as steering columns, door panels, seats, etc. are not subject to the provisions of this Code."
- SP 306 Amend to read as follows:
  - "306 This entry may only be used for substances that are too insensitive for acceptance into Class 1 when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I)."
- SP 309 Amend the last sentence to read as follows:

"Substances shall satisfactorily pass Tests 8(a), (b) and (c) of Test Series 8 of the Manual of Tests and Criteria, Part I, Section 18 and be approved by the competent authority."

SP 310 At the end, include a new "Note" to read as follows:

"For damage or defective lithium batteries and cells see SP 376"

- SP 361 At the end of subparagraph .5 insert "except those manufactured before 1 January 2014;"
- SP 363 In subparagraph .3, replace "loaded in an orientation" with "oriented"
- SP 919 is deleted.
- SP 957 Is deleted.
- SP 961 Replace existing 961 with the following:
  - "SP 961 Internal combustion engines, fuel cell engines, vehicles, and battery-powered equipment are not subject to the provisions of this Code if any of the following conditions are met:
    - Internal combustion engines, fuel cell engines vehicles, and .1 battery-powered equipment are stowed on the vehicle, special category and ro-ro spaces or on the weather deck of a roll-on/roll-off ship or a cargo space designated by the Administration (flag State) in accordance with SOLAS 74, chapter II-2, regulation 20 as specifically designed and approved for the carriage of vehicles and there are no signs of leakage from the battery, engine, fuel cell, compressed gas cylinder or accumulator, or fuel tank when applicable. When packed in a cargo transport unit the exception does not apply to container cargo spaces of a ro-ro ship. Vehicles powered solely by lithium batteries and hybrid electric vehicles powered by both an internal combustion engine and lithium metal or ion batteries, the battery is of a type proved to meet the requirements of the United Nations Manual of Tests and Criteria, part III, subsection 38.3, unless otherwise approved by the competent Authority;
    - .2 Internal combustion engines, vehicles powered by a flammable liquid fuel with a flashpoint of 38°C or above, there are no leaks in any portion of the fuel system, the fuel tank(s) contains 450 *l* of fuel or less and installed batteries are protected from short-circuit.
    - .3 Internal combustion engines with a fuel tank attached and vehicles powered by a flammable liquid fuel with a flashpoint less than 38°C, the fuel tank(s) are empty and installed batteries are protected from short circuit. The internal combustion engines or vehicle are considered to be empty of flammable liquid fuel when the fuel tank has been drained and the vehicle cannot be operated due to a lack of fuel. Engine components such as fuel lines, fuel filters and injectors do not need to be cleaned, drained or purged to be considered empty. The fuel tank does not need to be cleaned or purged;
    - .4 Internal combustion engines with an attached fuel tank and vehicles powered by a flammable gas (liquefied or compressed), the fuel tank(s) are empty and the positive pressure in the tank does not exceed 2 bar, the fuel shut-off or isolation valve is closed and secured, and installed batteries are protected from short circuit;

- .5 Vehicles or battery powered equipment solely powered by a wet or dry electric storage battery or a sodium battery, and the battery is protected from short circuit;
- .6 Internal combustion engines powered by a flammable liquid or flammable gas have been cleaned, drained and purged of all flammable liquids and gases or the engine has been sealed to prevent leakage of any residues; or
- .7 Fuel cell engines are protected from inadvertent operation by closing fuel supply lines or by other means and the fuel supply reservoir has been drained and sealed. The fuel supply reservoir does not need to be cleaned or purged.

Notwithstanding above, dangerous goods required for the operation of the internal combustion engines or the vehicle or for the safety of the operator such as fire extinguishers, compressed gas cylinders, accumulators, airbag inflators, starter batteries, etc., shall be securely mounted. All other dangerous goods in the vehicle shall be separately packaged and consigned for transport, as appropriate, in accordance with this Code.

For fuel cell engines, all dangerous goods other than fuel and fuel cells shall be separately packaged and consigned for transport, as appropriate, in accordance with this Code."

- SP 962 Replace 962 with the following:
  - "SP 962 internal combustion engines, vehicles, fuel cell engines, or battery powered equipment not meeting the conditions of special provision 961 shall be assigned to class 9 and shall meet the following requirements:
    - .1 internal combustion engines, vehicles, combustion engines, fuel cell engines or battery powered equipment shall not show signs of leakage from batteries, engines, fuel cells, compressed gas cylinders or accumulators, or fuel tank(s) when applicable;
    - .2 for flammable liquid powered vehicles and internal combustion engines the fuel tank(s) containing the flammable liquid shall not be more than one fourth full and in any case the flammable liquid shall not exceed 250  $\ell$  unless otherwise approved by the competent authority;
    - .3 for flammable gas powered vehicles and internal combustion engines, the fuel shut-off valve of the fuel tank(s) shall be securely closed;
    - .4 installed batteries shall be protected from damage, short circuit, and accidental activation during transport. Lithium ion or lithium metal batteries shall be of a type proved to meet the requirements of the United Nations Manual of Tests and Criteria, part III, subsection 38.3, unless otherwise approved by the competent authority; and

Notwithstanding above dangerous goods required for the operation of the internal combustion engines or the vehicle or for the safety of the operator

such as fire extinguishers, compressed gas accumulators, airbag inflators, starter batteries, etc., shall be securely mounted.

The provisions of this Code relevant to marking, labelling, placarding and marine pollutants shall not apply."

SP 963 Replace the words "column 16" with "columns 16a and 16b"

Insert the following new special provisions:

"367 For the purposes of documentation and package marking:

The proper shipping name "Paint related material" may be used for consignments of packages containing "Paint" and "Paint related material" in the same package;

The proper shipping name "Paint related material, corrosive, flammable" may be used for consignments of packages containing "Paint, corrosive, flammable" and "Paint related material, corrosive, flammable" in the same package;

The proper shipping name "Paint related material, flammable, corrosive" may be used for consignments of packages containing "Paint, flammable, corrosive" and "Paint related material, flammable, corrosive" in the same package; and

The proper shipping name "Printing ink related material" may be used for consignments of packages containing "Printing Ink" and "Printing ink related material" in the same package."

"368 In the case of non-fissile or fissile-excepted uranium hexafluoride, the material shall be classified under UN 3507 or UN 2978."

"369 In accordance with 2.0.3.5, this radioactive material in an excepted package possessing corrosive properties is classified in Class 8 with a radioactive material subsidiary risk.

Uranium hexafluoride may be classified under this entry only if the conditions of 2.7.2.4.1.2, 2.7.2.4.1.5, 2.7.2.4.5.2 and, for fissile-excepted material, of 2.7.2.3.6 are met.

In addition to the provisions applicable to the transport of Class 8 substances, the provisions of 5.1.3.2, 5.1.5.2.2, 5.1.5.4.1.2, 7.1.4.5.9, 7.1.4.5.10, 7.1.4.5.12, and 7.8.4.1 to 7.8.4.6 shall apply.

No Class 7 label is required to be displayed."

- "370 This entry applies to:
  - ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance; and
  - ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, that is not too sensitive for acceptance into

Class 1 when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942."

- "371 .1 This entry also applies to articles, containing a small pressure receptacle with a release device. Such articles shall comply with the following requirements:
  - (a) The water capacity of the pressure receptacle shall not exceed 0.5 litres and the working pressure shall not exceed 25 bar at 15°C;
  - (b) The minimum burst pressure of the pressure receptacle shall be at least four times the pressure of the gas at 15°C;
  - (c) Each article shall be manufactured in such a way that unintentional firing or release is avoided under normal conditions of handling, packing, transport and use. This may be fulfilled by an additional locking device linked to the activator;
  - Each article shall be manufactured in such a way as to prevent hazardous projections of the pressure receptacle or parts of the pressure receptacle;
  - (e) Each pressure receptacle shall be manufactured from material which will not fragment upon rupture;
  - (f) The design type of the article shall be subjected to a fire test. For this test, the provisions of paragraphs 16.6.1.2 except letter g, 16.6.1.3.1 to 16.6.1.3.6, 16.6.1.3.7 (b) and 16.6.1.3.8 of the Manual of Tests and Criteria shall be applied. It shall be demonstrated that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, in such a way that the pressure receptacle will not fragment and that the article or fragments of the article do not rocket more than 10 m;
  - (g) The design type of the article shall be subjected to the following test. A stimulating mechanism shall be used to initiate one article in the middle of the packaging. There shall be no hazardous effects outside the package such as disruption of the package, metal fragments or a receptacle which passes through the packaging.
- .2 The manufacturer shall produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer shall apply procedures to ensure that articles produced in series are made of good quality, conform to the design type and are able to meet the requirements in .1. The manufacturer shall provide such information to the Competent Authority on request."

"372 This entry applies to asymmetric capacitors with an energy storage capacity greater than 0.3 Wh. Capacitors with an energy storage capacity of 0.3 Wh or less are not subject to the provisions of this Code.

Energy storage capacity means the energy stored in a capacitor, as calculated according to the following equation,

Wh =  $1/2C_N(U_R^2 - U_L^2) \times (1/3600)$ ,

using the nominal capacitance ( $C_N$ ), rated voltage ( $U_R$ ) and rated lower limit voltage ( $U_L$ ).

All asymmetric capacitors to which this entry applies shall meet the following conditions:

- (a) Capacitors or modules shall be protected against short circuit;
- (b) Capacitors shall be designed and constructed to safely relieve pressure that may build up in use, through a vent or a weak point in the capacitor casing. Any liquid which is released upon venting shall be contained by packaging or by equipment in which a capacitor is installed;
- (c) Capacitors shall be marked with the energy storage capacity in Wh, except those manufactured before 1 January 2016;
- (d) Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods shall be designed to withstand a 95 kPa pressure differential;

Capacitors containing an electrolyte not meeting the classification criteria of any class or division of dangerous goods, including when configured in a module or when installed in equipment are not subject to other provisions of this Code. Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, with an energy storage capacity of 20 Wh or less, including when configured in a module, are not subject to other provisions of this Code when the capacitors are capable of withstanding a 1.2 metre drop test unpackaged on an unyielding surface without loss of contents.

Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods that are not installed in equipment and with an energy storage capacity of more than 20 Wh are subject to this Code.

Capacitors installed in equipment and containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, are not subject to other provisions of these Regulations provided that the equipment is packaged in a strong outer packaging constructed of suitable material, and of adequate strength and design, in relation to the packaging's intended use and in such a manner as to prevent accidental functioning of capacitors during transport. Large robust equipment containing capacitors may be offered for transport unpackaged or on pallets when capacitors are afforded equivalent protection by the equipment in which they are contained.

Note: Notwithstanding the provisions of this special provision, nickel-carbon asymmetric capacitors containing Class 8 alkaline electrolytes shall be transported as UN 2795, BATTERIES, WET, FILLED WITH ALKALI, electric storage."

"373 Neutron radiation detectors containing non-pressurized boron trifluoride gas may be transported under this entry provided that the following conditions are met:

- .1 Each radiation detector shall meet the following conditions.
  - The pressure in each detector shall not exceed 105 kPa absolute at 20°C;
  - (ii) The amount of gas shall not exceed 13 g per detector;
  - (iii) Each detector shall be manufactured under a registered quality assurance programme;

**NOTE:** The application of ISO 9001:2008 may be considered acceptable for this purpose.

- (iv) Each neutron radiation detector shall be of welded metal construction with brazed metal to ceramic feed through assemblies. These detectors shall have a minimum burst pressure of 1800 kPa as demonstrated by design type qualification testing; and
- (v) Each detector shall be tested to a 1 x  $10^{-10}$  cm<sup>3</sup>/s leaktightness standard before filling.
- .2 Radiation detectors transported as individual components shall be transported as follows:
  - (i) Detectors shall be packed in a sealed intermediate plastics liner with sufficient absorbent material to absorb the entire gas contents;
  - (ii) They shall be packed in strong outer packaging. The completed package shall be capable of withstanding a 1.8 m drop test without leakage of gas contents from detectors;
  - (iii) The total amount of gas from all detectors per outer packaging shall not exceed 52 g.
- .3 Completed neutron radiation detection systems containing detectors meeting the conditions of paragraph (a) shall be transported as follows:
  - (i) The detectors shall be contained in a strong sealed outer casing;
  - (ii) The casing shall contain sufficient absorbent material to absorb the entire gas contents;
  - (iii) The completed systems shall be packed in strong outer packagings capable of withstanding a 1.8 m drop test without leakage unless a system's outer casing affords equivalent protection.

Packing instruction P200 of 4.1.4.1 is not applicable.

The transport document shall include the following statement "Transport in accordance with special provision 373".

Neutron radiation detectors containing not more than 1 g of boron trifluoride, including those with solder glass joints, are not subject to this Code provided they

meet the requirements in paragraph .1 and are packed in accordance with paragraph .2. Radiation detection systems containing such detectors are not subject to this Code provided they are packed in accordance with paragraph .3.

Nuclear radiation detectors shall be stowed in accordance with stowage Category A."

"SP 376 Lithium ion cells or batteries and lithium metal cells or batteries identified as being damaged or defective such that they do not conform to the type tested according to the applicable provisions of the Manual of Tests and Criteria shall comply with the requirements of this special provision.

For the purposes of this special provision, these may include, but are not limited to:

- Cells or batteries identified as being defective for safety reasons;
- Cells or batteries that have leaked or vented;
- Cells or batteries that cannot be diagnosed prior to transport; or
- Cells or batteries that have sustained physical or mechanical damage.

**NOTE:** In assessing a battery as damaged or defective, the type of battery and its previous use and misuse shall be taken into account.

Cells and batteries shall be transported according to the provisions applicable to UN 3090, UN 3091, UN 3480 and UN 3481, except special provision 230 and as otherwise stated in this special provision.

Packages shall be marked "DAMAGED/DEFECTIVE LITHIUM-ION BATTERIES" or "DAMAGED/DEFECTIVE LITHIUM METAL BATTERIES", as applicable.

Cells and batteries shall be packed in accordance with packing instructions P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.

Cells and batteries liable to rapidly disassemble, dangerously react, produce a flame or a dangerous evolution of heat or a dangerous emission of toxic, corrosive or flammable gases or vapours under normal conditions of transport shall not be transported except under conditions specified by the competent authority."

"SP 377 Lithium ion and lithium metal cells and batteries and equipment containing such cells and batteries transported for disposal or recycling, either packed together with or packed without non-lithium batteries, may be packaged in accordance with packing instruction P909 of 4.1.4.1.

These cells and batteries are not subject to the requirements of section 2.9.4.

Packages shall be marked "LITHIUM BATTERIES FOR DISPOSAL" or "LITHIUM BATTERIES FOR RECYCLING".

Identified damaged or defective batteries shall be transported in accordance with special provision 376 and packaged in accordance with P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable."

"SP 968 This entry shall not be used for sea transport. Discarded packaging shall meet the requirements of 4.1.1.11."

"SP 969 Substances classified in accordance to 2.9.3 are subject to the provisions for marine pollutants. Substances which are transported under UN 3077 and 3082 but which do not meet the criteria of 2.9.3 (see 2.9.2.2) are not subject to the provisions for marine pollutants. However for substances that are identified as marine pollutants in this Code (see Index) but which no longer meet the criteria of 2.9.3, the provisions of 2.10.2.6 apply."

"SP 970 This entry only applies to internal combustion engines (including machinery or equipment powered by such engines) to fuel cell engines, and to vehicles powered by flammable liquid, flammable gas and fuel cells containing flammable liquid or gas (including hybrid electric vehicles, see SP 312 or SP 240). For the purposes of this entry vehicles are defined as road vehicles (e.g. cars, motorcycles), boats, aircraft, wheeled or tracked construction or farming equipment and any other self-propelled apparatus designed to carry one or more persons or goods. For internal combustion engines where the requirement of Special Provisions 961 or 962 are not met, an appropriate name and description shall be selected and the relevant provisions of this Code shall apply. If a vehicle is powered by a flammable liquid and a flammable gas internal combustion engine, it shall be assigned to UN 3166 VEHICLE, FLAMMABLE GAS POWERED."

# Chapter 3.4 – Dangerous goods packed in limited quantities

- 3.4.1 General
- 3.4.1.2 In subparagraph ".5" delete the reference "5.3.2.3".

# 3.4.3 Stowage

3.4.3 In the paragraph, replace the words "column 16" with "column 16a".

# 3.4.4 Segregation

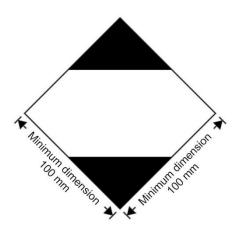
3.4.4.1 In subparagraph ".2" replace the words "column 16" with "column 16b"

# 3.4.5 Marking and placarding

Amend section 3.4.5.1 and 3.4.5.2 to read as follows:

### "3.4.5 Marking and Placarding

3.4.5.1 Except for air transport, packages containing dangerous goods in limited quantities shall bear the marking shown below:



Marking for packages containing limited quantities

The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The marking shall be in the form of a square set at an angle of  $45^{\circ}$  (diamond-shaped). The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm x 100 mm and the minimum width of the line forming the diamond shall be 2 mm. Where dimensions are not specified, all features shall be in approximate proportion to those shown. If the size of the package so requires, the minimum outer dimensions shown above may be reduced to be not less than 50 mm x 50 mm provided the marking remains clearly visible. The minimum width of the line forming the diamond may be reduced to a minimum of 1 mm.

**NOTE:** The provisions of 3.4.5.1 of the IMDG Code amendment 36-12 may continue to be applied until 31 December 2016."

3.4.5.2 Packages containing dangerous goods packed in conformity with the provisions of Part 3, Chapter 4 of the ICAO Technical Instructions for the Transport of Dangerous Goods may bear the marking shown below to certify conformity with these provisions:



Marking for packages containing limited quantities conforming to Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air.

The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The marking shall be in the form of a square set at an angle of  $45^{\circ}$  (diamond-shaped). The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm x 100 mm and the minimum width of the line forming the diamond shall be 2 mm. The symbol "Y" shall be placed in the centre of the mark and shall be clearly visible. Where dimensions are not specified, all features shall be in approximate proportion to those shown. If the size of the package so requires, the minimum outer dimensions shown above may be reduced to be not less than 50 mm x 50 mm provided the marking remains clearly visible. The minimum width of the line forming the diamond may be reduced to a minimum of 1 mm. The symbol "Y" shall remain in approximate proportion to that shown above.

**Note:** The provisions of 3.4.5.2 of IMDG Code (amendment 36-12) may continue to be applied until 31 December 2016."

3.4.5.3 Amend to read as follows:

## "3.4.5.3 Multimodal recognition of marks

- 3.4.5.3.1 Packages containing dangerous goods bearing the marking shown in 3.4.5.2 with or without the additional labels and markings for air transport shall be deemed to meet the provisions of section 3.4.2 and need not bear the marking shown in 3.4.5.1.
- 3.4.5.3.2 Packages containing dangerous goods in limited quantities bearing the marking shown in 3.4.5.1 and conforming with the provisions of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air, including all necessary marks and labels specified in Parts 5 and 6, shall be deemed to meet the provisions of section 3.4.1 as appropriate and of section 3.4.2."

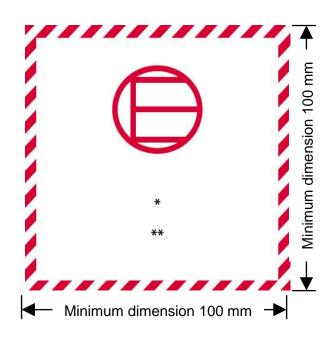
# 3.4.5.5 Placarding and marking of cargo transport units

3.4.5.5.3 Delete the existing paragraph and insert "reserve"

#### Chapter 3.5 – Dangerous goods packed in excepted quantities

#### 3.5.4 Marking of packages

- 3.5.4.1 Delete the mark and the text below the mark.
- 3.5.4.2 and 3.5.4.3 Amend to read as follows:



#### Excepted quantities mark

- \* The Class or, when assigned, the Division number(s) shall be shown in this location.
- \*\* The name of the consignor or of the consignee shall be shown in this location if not shown elsewhere on the package.

The marking shall be in the form of a square. The hatching and symbol shall be of the same colour, black or red, on white or suitable contrasting background. The minimum dimensions shall be 100 mm x 100 mm. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

3.5.4.3 An overpack containing dangerous goods in excepted quantities shall display the markings required by 3.5.4.1, unless such markings on packages within the overpack are clearly visible.

**Note:** The provisions of 3.5.4.1 and 3.5.4.2 of the IMDG Code (amendment 36-12) may continue to be applied until 31 December 2016."

#### 3.5.7 Stowage

3.5.7.1 In the paragraph, replace the words "column 16" with "column 16a"

# 3.5.8 Segregation

- **3.5.8.1** In the paragraph, replace the words "column 16" with "column 16b"
- **3.5.8.2** In the paragraph, replace the words "column 16" with "column 16b"

"3.5.4.2

# Appendix A – List of generic and N.O.S. Proper Shipping Names

Add the following new entries in appendix A under the appropriate class in the general entries section:

Class or Division	Subsidiary Risk	UN No	Proper Shipping Name
2.1		3510	ADSORBED GAS, FLAMMABLE, N.O.S.
2.2		3511	ADSORBED GAS, N.O.S.
2.3		3512	ADSORBED GAS, TOXIC, N.O.S.
2.2	5.1	3513	ADSORBED GAS, OXIDIZING, N.O.S.
2.3	2.1	3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.
2.3	5.1	3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.
2.3	8	3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.
2.3	2.1 + 8	3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
2.3	5.1 + 8	3518	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.

# Appendix B – Glossary of terms

Amend the entry for "AIR BAG INFLATORS, PYROTECHNIC or AIR BAG MODULES, PYROTECHNIC or SEAT-BELT PRETENSIONERS, PYROTECHNIC" to read:

"SAFETY DEVICES, electrically initiated".

Amend the definition to read as follows:

"Articles which contain pyrotechnic substances or dangerous goods of other classes and are used in vehicles, vessels or aircraft to enhance safety to persons. Examples are: air bag inflators, air bag modules, seat-belt pretensioners and pyromechanical devices. These pyromechanical devices are assembled components for tasks such as but not limited to separation, locking, or release-and-drive or occupant restraint. The term includes "SAFETY DEVICES, PYROTECHNIC"."

# Alphabetical index

Amend the following entries as indicated hereunder:

Amend the entries for "AIR BAG INFLATORS, PYROTECHNIC or AIR BAG MODULES, PYROTECHNIC or SEAT-BELT PRETENSIONERS, PYROTECHNIC" to read as follows:

«Air bag inflators, see	1.4G 9	0503 3268»
«Air bag modules, see	1.4G 9	0503 3268»
«Seat-belt pretensioners, see	1.4G 9	0503 3268»

In the entries for "Actinolite", "Anthophyllite" and "Tremolite" in the UN No. column, replace "2590" with "2212".

Delete the entries for "Asbestos, blue or brown", "Asbestos, white", "Chryosotile", , "BLUE ASBESTOS (crocidolite)", "BROWN ASBESTOS (amosite, mysorite)", "WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)". (delete entries regardless names in the UN Regulations differs from those in the IMDG Code)

In the entry for "TRIFLUOROCHLOROETHYLENE, STABILIZED" UN No. 1082, add at the end "(REFRIGERANT GAS R 1113)".

In the entry for "AMMONIUM NITRATE", (UN 1942), amend the description to read as follows "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".

In the entry for "AMMONIUM NITRATE", (UN 0222), amend the description to read as follows "AMMONIUM NITRATE".

In the entry for "CAPACITOR, electric double layer..." (UN 3499), amend the description to read as follows: "CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3Wh)".

Drazoxolon: Replace "see PESTICIDE, N.O.S." with "see ORGANOCHLORINE PESTICIDE".

Kelevan: Replace "see PESTICIDE, N.O.S." with "see ORGANOCHLORINE PESTICIDE".

Nabam: Replace "see THIOCARBAMATE PESTICIDE" with "see Note 1".

Oxamyl: Replace "see PESTICIDE, N.O.S." with "see CARBAMATE PESTICIDE".

In the entry for "AMMONIA, ANHYDROUS", UN (1005), insert "P" in the column for MP.

In the entries for "ALLYL ALCOHOL" and "Propenyl alcohol", UN (1098), insert "P" in the column for MP.

In the entry for "HEPTANES", UN (1206), insert "P" in the column for MP.

In the entries for "Hexane" and "2-Methylpentane", UN (1208), insert "P" in the column for MP.

In the entries for "Isooctane", "2-Methylheptane", "OCTANES" and "2,2,4-Trimethylpentane", UN (1262), insert "P" in the column for MP.

In the entry for "PINE OIL", UN (1272), insert "P" in the column for MP.

In the entry for "TURPENTINE", UN (1299), insert "P" in the column for MP.

In the entries for "Creosote salts", "NAPHTHALENE, CRUDE" and "NAPHTHALENE, REFINED", UN (1334), insert "P" in the column for MP.

In the entries for "Aminobenzene", "ANILINE", "Aniline oil" and "Phenylamine", UN (1547), insert "P" in the column for MP.

In the entries for "Methyldinitrobenzenes, molten" and "DINITROTOLUENES, MOLTEN", UN (1600), insert "P" in the column for MP.

In the entry for "TOLUIDINES, LIQUID", UN (1708), insert "P" in the column for MP.

In the entries for "CALCIUM HYPOCHLORITE, DRY with more than 39% available chlorine (8.8% available oxygen)" and "CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen", UN (1748), insert "P" in the column for MP.

In the entry for "Sodium hypochlorite solution ", UN (1791), insert "P" in the column for MP.

In the entry for "ZINC CHLORIDE SOLUTION", UN (1840), insert "P" in the column for MP.

In the entry for "NONANES", UN (1920), insert "P" in the column for MP.

Insert a new entry "2,4-Dichlorophenol,see," in the column for Substance, material or article, "P" in the column for MP, "6.1" in the column for Class, "2020" in the column for UN No..

In the entry for "DINITROTOLUENES, LIQUID" and "Methyldinitrobenzenes, liquid", UN (2038), insert "P" in the column for MP.

Insert a new entry "1,3-Dichloropropene, see" in the column for Substance, material or article, "P" in the column for MP, "3" in the column for Class, "2047" in the column for UN No..

In the entry for "AMMONIA SOLUTION relative density less than 0.880 at 15°C in water, with more than 35% but not more than 50% ammonia", UN (2073), insert "P" in the column for MP.

In the entries for "Bleaching powder" and "CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine", UN (2208), insert "P" in the column for MP.

In the entries for "Propenoic acid, stabilized", "Acroleic acid, stabilized" and "ACRYLIC ACID, STABILIZED", UN (2218), insert "P" in the column for MP.

In the entries for "meta-Chlorotoluene" and "para-Chlorotoluene", delete "P", and in the entry for "ortho-Chlorotoluene", UN (2238) insert "P" in the column for MP.

In the entry for "CYCLOHEPTANE", UN (2241), insert "P" in the column for MP.

In the entry for "NAPHTHALENE, MOLTEN", UN (2304), insert "P" in the column for MP.

In the entries for "1,3,5-TRIMETHYLBENZENE" and "Mesitylene", UN (2325), insert "P" in the column for MP.

In the entry for "ZINC CHLORIDE, ANHYDROUS", UN (2331), insert "P" in the column for MP.

In the entry for "alpha-PINENE", UN (2368), insert "P" in the column for MP.

In the entries for "DIMETHYL DISULPHIDE", "Methyl disulphide" and "Methyldithiomethane", UN (2381), insert "P" in the column for MP.

In the entry for "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, by mass", UN (2672), insert "P" in the column for MP.

In the entries for "BUTYLBENZENES", "Isobutylbenzene", "2-Methyl-2-phenylpropane", "1-Phenylbutane" and "2-Phenylbutane", UN (2709), insert "P" in the column for MP.

In the entries for "Dodecene", "PROPYLENE TETRAMER" and "Tetrapropylene", UN (2850), insert "P" in the column for MP.

In the entries for "CALCIUM HYPOCHLORITE, HYDRATED with not less than 5.5% but not more than 16% water" and "CALCIUM HYPOCHLORITE, HYDRATED MIXTURE with not less than 5.5% but not more than 16% water", UN (2880), insert "P" in the column for MP.

In the entry for "AMMONIA SOLUTION relative density less than 0.880 at 15° C in water, with more than 50% ammonia", UN (3318), insert "P" in the column for MP.

In the entry for "TOLUIDINES, SOLID", UN (3451), insert "P" in the column for MP.

In the entries for "DINITROTOLUENES, SOLID" and "Methyldinitrobenzenes, solid", UN (3454), insert "P" in the column for MP.

In the entry for "CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)", UN (3485), insert "P" in the column for MP.

In the entry for "CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine", UN (3486), insert "P" in the column for MP.

In the entries for "CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water" and "CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE with not less than 5.5% but not more than 16% water", UN (3487), insert "P" in the column for MP.

Add the following new entries in alphabetical order:

Class	UN No.
2.1	3510
2.2	3511
2.2	3513
2.3	3516
2.3	3517
2.3	3514
2.3	3512
2.3	3518
2.3	3515
9	2212
2.3	3522
9	2212
9	2590
2.3	3519
9	3508
2.3	3520
9	2590
2.3	3523
2.3	3526
	2.2         2.2         2.3         2.3         2.3         2.3         2.3         9         2.3         9         2.3         9         2.3         9         2.3         9         2.3         9         2.3         9         2.3         9         2.3         9         2.3

Name and description	Class	UN No.
, Mercurous chloride, see	6.1	2025
PACKAGING DISCARDED, EMPTY, UNCLEANED	9	3509
PHOSPHINE, ADSORBED	2.3	3525
PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3	3524
SAFETY DEVICES, electrically initiated	9	3268
SAFETY DEVICES, PYROTECHNIC	1.4G	0503
SILICON TETRAFLUORIDE, ADSORBED	2.3	3521
URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non- fissile or fissile-excepted	8	3507
Talcum with tremolite and/or actinolite, see	9	2212

#### PART 4 PACKING AND TANK PROVISIONS

Chapter 4.1 – Use of packagings, including intermediate bulk containers (IBCs) and large packagings

# 4.1.1 General provisions for the packing of dangerous goods in packagings, including IBCs and large packagings

- 4.1.1.3 In paragraph 4.1.1.3, in the third line, the reference "6.3.2" is replaced with "6.3.5".
- 4.1.1.5.2 Insert a new 4.1.1.5.2 to read as follows:
  - "4.1.1.5.2 Use of supplementary packagings within an outer packaging (e.g. an intermediate packaging or a receptacle inside a required inner packaging) additional to what is required by the packing instructions is authorized provided all relevant requirements are met, including those of 4.1.1.3, and, if appropriate, suitable cushioning is used to prevent movement within the packaging."

and the remaining paragraphs are renumbered accordingly.

## 4.1.4 List of packing instructions

# 4.1.4.1 Packing instructions concerning the use of packagings (except IBCs and large packagings)

P001 Insert a new last sentence in subparagraph (a) of PP1 as follows

"On roll-on/roll-off ships the unit loads may be carried in vehicles other than closed vehicles provided they are securely fenced to the full height of the cargo carried;"

- P003 Add a new special packing provision PP91 to read as follows:
  - "PP91 For UN 1044, large fire extinguishers may also be transported unpackaged provided that the requirements of 4.1.3.8.1.1 to 4.1.3.8.1.5 are met, the valves are protected by one of the methods in accordance with 4.1.6.1.8.1 to 4.1.6.1.8.4 and other equipment mounted on the fire extinguisher is protected to prevent accidental activation. For the purpose of this special packing provision, "large fire extinguishers" means fire extinguishers as described in subparagraphs .3 to .5 of special provision 225 of Chapter 3.3."

P114(a) Under Outer Packagings, Drums: Before "fibre (1G)" insert "plywood (1D)".

P116 In the column for "outer packagings", amend the first entry for "bags" to read: "woven plastics (5H1, 5H2, 5H3)". Amend special packing provision PP65 to read: "*Deleted*".

P131 and P137 In the entry for "boxes", in the column for "outer packagings" add: "plastics, solid (4H2)".

P404 (1) Amend to read as follows:

(1)	Combination packagings		
	Outer packagings:	(1A1, 1A2, 1B1, 1B2, 1N1, 1N2, 1H1, 1H2, 1D, 1G, 4A, 4B, 4N, 4C1,	
		4C2, 4D, 4F, 4G or 4H2)	
	Inner packagings:	Metal receptacles with a maximum net mass of 15 kg each.	
		Inner packagings shall be hermetically sealed and have threaded	
		closures;	
		Glass receptacles, with a maximum net mass of 1 kg each, having	
		threaded closures with gaskets, cushioned on all sides and contained in	
		hermetically sealed metal cans.	
	Outer packagings	shall have a maximum net mass of 125 kg.	

P501, P502 and P504 Amend the last entry under "Composite packaging" to read as follows:

"Glass receptacle in steel, aluminium, fibre or plywood drum (6PA1, 6PB1, 6PD1 or 6PG1) or in a steel, aluminium, wood or fibreboard box or in wickerwork hamper (6PA2, 6PB2, 6PC, 6PG2 or 6PD2) or in solid or expanded plastics packaging (6PH1 or 6PH2)."

P601 (2) and P602 (2) At the beginning, insert "or plastics" after "consisting of metal".

P650 Amend the diagram in paragraph (4) to read as follows:



P802 (3) Amend to read as follows:

"(3) Composite packagings: Glass receptacle in steel, aluminium or plywood drum (6PA1, 6PB1 or 6PD1) or in a steel, aluminium or wood box or in wickerwork hamper (6PA2, 6PB2, 6PC or 6PD2) or in solid plastics packaging (6PH2); maximum capacity: 60 litres."

P901 After "(see 3.3.1, special provision 251)", insert the following new sentence: "Where the kit contains only dangerous goods to which no packing group is assigned, packagings shall meet Packing Group II performance level."

P903 In paragraph (2), replace subparagraphs (a) and (b) with the following subparagraphs (a) to (c):

- "(a) Strong outer packagings;
- (b) Protective enclosures (e.g. fully enclosed or wooden slatted crates); or
- (c) Pallets or other handling devices."
- P904 Amend the diagram to read as follows:



P906 (2) Amend to read as follows:

"(2) For transformers and condensers and other devices:

- (a) Packagings in accordance with packing instructions P001 or P002. The articles shall be secured with suitable cushioning material to prevent inadvertent movement during normal conditions of transport; or
- (b) Leakproof packagings which are capable of containing, in addition to the devices, at least 1.25 times the volume of the liquid PCBs, polyhalogenated biphenyls or terphenyls present in them. There shall be sufficient absorbent material in the packagings to absorb at least 1.1 times the volume of liquid which is contained in the devices. In general, transformers and condensers shall be carried in leakproof metal packagings which are capable of holding, in addition to the transformers and condensers, at least 1.25 times the volume of the liquid present in them."

Insert the following new packing instructions:

P208	3	PACKING INSTRUCTION P208
This i	nstru	ction applies to Class 2 adsorbed gases.
(1)		following packagings are authorized provided the general packing requirements of 4.1.6.1 met:
	Cyl	inders specified in Chapter 6.2 and in accordance with ISO 11513:2011 or ISO 9809-1:2010.
(2)		pressure of each filled cylinder shall be less than 101.3 kPa at 20°C and less than 300 kPa 0°C.
(3)	The	minimum test pressure of the cylinder shall be 21 bar.
(4)	The	minimum burst pressure of the cylinder shall be 94.5 bar.
(5)		internal pressure at $65^{\circ}$ C of the filled cylinder shall not exceed the test pressure of the nder.
(6)	dan mat	adsorbent material shall be compatible with the cylinder and shall not form harmful or gerous compounds with the gas to be adsorbed. The gas in combination with the adsorbent erial shall not affect or weaken the cylinder or cause a dangerous reaction (e.g. a catalyzing ction).
(7)	pres	quality of the adsorbent material shall be verified at the time of each fill to assure the ssure and chemical stability requirements of this packing instruction are met each time an orbed gas package is offered for transport.
(8)	The	adsorbent material shall not meet the criteria of any of the Classes or Divisions in this Code.
(9)	to 2	juirements for cylinders and closures containing toxic gases with an $LC_{50}$ less than or equal 00 ml/m <sup>3</sup> (ppm) (see table 1) shall be as follows:
	(a)	Valve outlets shall be fitted with pressure retaining gas-tight plugs or caps having threads matching those of the valve outlets.
	(b)	Each valve shall either be of the packless type with non-perforated diaphragm, or be of a type which prevents leakage through or past the packing.
	(c)	Each cylinder and closure shall be tested for leakage after filling.
	(d)	Each valve shall be capable of withstanding the test pressure of the cylinder and be directly connected to the cylinder by either a taper-thread or other means which meets the requirements of ISO 10692-2:2001.
	(e)	Cylinders and valves shall not be fitted with a pressure relief device.
(10)		ve outlets for cylinders containing pyrophoric gases shall be fitted with gas-tight plugs or caps ing threads matching those of the valve outlets.
(11)	The	filling procedure shall be in accordance with Annex A of ISO 11513:2011.
(12)	The	maximum period for periodic inspections shall be 5 years.
(13)	Spe	ecial packing provisions that are specific to a substance (see table 1).
	Ma	terial compatibility
	a: A	Numinum alloy cylinders shall not be used.
		When steel cylinders are used, only those bearing the "H" mark in accordance with 6.2.2.7.4 are permitted.
	Ga	s specific provisions
		he filling ratio of this gas shall be limited such that, if complete decomposition occurs, the ssure does not exceed two thirds of the test pressure of the cylinder.
	Ma	terial Compatibility for N.O.S Adsorbed Gas Entries
		he construction materials of the cylinders and their accessories shall be compatible with the tents and shall not react to form harmful or dangerous compounds therewith.

P208	PACKING INST	RUCTION			P208
Table 1: ADSORBED GASES					
UN No.	Name and description	Class or Division	Subsidiary risk	LC <sub>50</sub> ml/m <sup>3</sup>	Special packing provisions
(1)	(2)	(3)	(4)	(5)	(6)
3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2.1			z
3511	ADSORBED GAS, N.O.S.	2.2			Z
3512	ADSORBED GAS, TOXIC, N.O.S.	2.3		≤ 5000	Z
3513	ADSORBED GAS, OXIDIZING, N.O.S.	2.2	5.1		Z
3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1	≤ 5000	z
3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1	≤ 5000	z
3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8	≤ 5000	z
3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8	≤ 5000	z
3518	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1 8	≤ 5000	z
3519	BORON TRIFLUORIDE, ADSORBED	2.3	8	387	а
3520	CHLORINE, ADSORBED	2.3	5.1 8	293	а
3521	SILICON TETRAFLUORIDE, ADSORBED	2.3	8	450	а
3522	ARSINE, ADSORBED	2.3	2.1	20	d
3523	GERMANE, ADSORBED	2.3	2.1	620	d, r
3524	PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3	8	190	
3525	PHOSPHINE, ADSORBED	2.3	2.1	20	d
3526	HYDROGEN SELENIDE, ADSORBED	2.3	2.1	2	

P505 PACKING INSTRUCTION		P505
This instruction applies to UN No. 3375		
The following packagings are authorized, provided that the general prov	isions of 4.1.1 and 4	.1.3 are met:
Combination packagings:	Inner packaging maximum capacity	Outer packaging maximum net mass
Boxes (4B, 4C1, 4C2, 4D, 4G, 4H2) or drums (1B2, 1G, 1N2, 1H2, 1D) jerricans (3B2, 3H2) with glass, plastics or metal inner packagings	51	125 kg
Single packagings:	Maximum c	apacity
Drums		
aluminium (1B1, 1B2),	250	l
plastics (1H1, 1H2)	250	I
Jerricans		
aluminium (3B1, 3B2),	60 I	
plastics (3H1, 3H2)	60 I	
Composite packagings		
plastics receptacle with outer aluminium drum (6HB1)	250	l
plastics receptacle with outer fibre, plastics or plywood drum (6HG1, 6HH1, 6HD1)	250	I
plastics receptacle with outer aluminium crate or box or plastics receptacle with outer wooden, plywood, fibreboard or solid plastics box (6HB2, 6HC, 6HD2, 6HG2, 6HH2)	60 I	
glass receptacle with outer aluminium, fibre or plywood drum (6PB1, 6PG1, 6PD1) or with outer expanded plastics or solid plastics receptacles (6PH1, 6PH2) or with outer aluminium crate or box or with outer wooden or fibreboard box or with outer wickerwork hamper (6PB2, 6PC, 6PG2, 6PD2)	60 I	

P805	PACKING INSTRUCTION P80
This instruction	n applies to UN 3507.
	packagings are authorized provided that the general provisions of <b>4.1.1</b> and <b>4.1.3</b> and the g provisions of <b>4.1.9.1.2</b> , <b>4.1.9.1.4</b> and <b>4.1.9.1.7</b> are met:
Packagings co	onsisting of:
(a)	Metal or plastics primary receptacle(s); in
(b)	Leakproof rigid secondary packaging(s); in
(c)	A rigid outer packaging:
	Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);

Boxes (4A, 4B, 4C1, 4C2, 4D, 4F, 4G, 4H1, 4H2);

Jerricans (3A2, 3B2, 3H2).

## Additional requirements:

1. Primary inner receptacles shall be packed in secondary packagings in a way that, under normal conditions of transport, they cannot break, be punctured or leak their contents into the secondary packaging. Secondary packagings shall be secured in outer packagings with suitable cushioning material to prevent movement. If multiple primary receptacles are placed in a single secondary packaging, they shall be either individually wrapped or separated so as to prevent contact between them.

P805	PACKING INSTRUCTION	P805

2. The contents shall comply with the provisions of 2.7.2.4.5.2;

3. The provisions of 6.4.4 shall be met.

#### Special packing provision:

In the case of fissile-excepted material, limits specified in 2.7.2.3.5 and 6.4.11.2 shall be met.

P908	PACKING INSTRUCTION P908
This instr	uction applies to UN Nos. 3090, 3091, 3480 and 3481.
lithium me	wing packagings are authorized for damaged or defective lithium ion cells and batteries and etal cells and batteries including those contained in equipment, provided the general provisions and 4.1.3 are met:
For cells	and batteries and equipment containing cells and batteries:
	Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G)
	Boxes (4A, 4B, 4N, 4C1, 4C2, 4D, 4F, 4G, 4H1, 4H2)
	Jerricans (3A2, 3B2, 3H2)
Packagin	gs shall conform to the packing group II performance level.
1.	Each cell or battery or equipment containing such cells or batteries shall be individually packed in inner packaging and placed inside of an outer packaging. The inner packaging or outer packaging shall be leak-proof to prevent the potential release of electrolyte.
2.	Each inner packaging shall be surrounded by sufficient non-combustible and non-conductive thermal insulation material to protect against a dangerous evolution of heat.
3.	Sealed packagings shall be fitted with a venting device when appropriate.
4.	Appropriate measures shall be taken to minimize the effects of vibrations and shocks, prevent movement of the cells or batteries within the package that may lead to further damage and a dangerous condition during transport. Cushioning material that is non-combustible and non-conductive may also be used to meet this requirement.
5.	Non combustibility shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured.
	ng cells or batteries, sufficient inert absorbent material shall be added to the inner or outer g to absorb any release of electrolyte.

A cell or battery with a net mass of more than 30 kg shall be limited to one cell or battery per outer packaging.

#### Additional requirements:

Cells or batteries shall be protected against short circuit.

<b>P9</b>	09 PACKING INSTRUCTION P909
	is instruction applies to UN Nos. 3090, 3091, 3480 and 3481 transported for disposal or recycling,
	her packed together with or packed without non-lithium batteries:
	Cells and batteries shall be packed in accordance with the following:
	(a) The following packagings are authorized, provided that the general provisions of 4.1.1 and 4.1.3 are met:
	Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);
	Boxes (4A, 4B, 4N, 4C1, 4C2, 4D, 4F, 4G, 4H2); and
	Jerricans (3A2, 3B2, 3H2).
	(b) Packagings shall conform to the packing group II performance level.
	(c) Metal packagings shall be fitted with a non-conductive lining material (e.g. plastics) of adequate strength for the intended use.
(2)	However, lithium ion cells with a Watt-hour rating of not more than 20 Wh, lithium ion batteries with a Watt-hour rating of not more than 100 Wh, lithium metal cells with a lithium content of not more than 1 g and lithium metal batteries with an aggregate lithium content of not more than 2 g may be packed in accordance with the following:
	(a) In strong outer packaging up to 30 kg gross mass meeting the general provisions of 4.1.1, except 4.1.1.3, and 4.1.3.
	(b) Metal packagings shall be fitted with a non-conductive lining material (e.g. plastics) of adequate strength for the intended use.
(3)	For cells or batteries contained in equipment, strong outer packagings constructed of suitable material, and of adequate strength and design in relation to the packaging capacity and its intended use, may be used. Packagings need not meet the requirements of 4.1.1.3. Large equipment may be offered for transport unpackaged or on pallets when the cells or batteries are afforded equivalent protection by the equipment in which they are contained.
(4)	In addition, for cells or batteries with a gross mass of 12 kg or more employing a strong, impact resistant outer casing, strong outer packagings constructed of suitable material and of adequate strength and design in relation to the packagings capacity and its intended use, may be used. Packagings need not meet the requirements of 4.1.1.3.
Add	litional requirements:
1. evol	Cells and batteries shall be designed or packed to prevent short circuits and the dangerous lution of heat.
2.	Protection against short circuits and the dangerous evolution of heat includes, but is not limited to:
	-individual protection of the battery terminals,
	-inner packaging to prevent contact between cells and batteries,
	-batteries with recessed terminals designed to protect against short circuits, or
	-the use of a non-conductive and non-combustible cushioning material to fill empty space between the cells or batteries in the packaging.
	Cells and batteries shall be secured within the outer packaging to prevent excessive movement ng transport (e.g. by using a non-combustible and non-conductive cushioning material or through the of a tightly closed plastics bag).

# 4.1.4.2 Packing instructions concerning the use of IBCs

In IBC02, insert the following new special provision B16:

"B16 For UN 3375, IBCs of type 31A and 31N are not allowed without competent authority approval."

In IBC04, replace "and 21N" with ", 21N, 31A, 31B and 31N".

In IBC05 (1), replace "and 21N" with ", 21N, 31A, 31B and 31N".

In IBC05 (2), replace "and 21H2" with ", 21H2, 31H1 and 31H2".

In IBC05 (3), replace "and 21HZ1" with ", 21HZ1 and 31HZ1".

In IBC06 (1), IBC07 (1) and IBC08 (1), replace "and 21N" with ", 21N, 31A, 31B and 31N".

In IBC06 (2), IBC07 (2) and IBC08 (2), replace "and 21H2" with ", 21H2, 31H1 and 31H2".

In IBC06 (3), IBC07 (3) and IBC08 (3), replace "and 21HZ2" with "21HZ2 and 31HZ1".

IBC100, in the first line of packing instruction IBC100, insert "0222" after "0082". Insert the following special packing provisions:

- "B2 For UN No. 0222 in IBCs other than metal or rigid plastics IBCs, the IBCs shall be transported in closed cargo transport units."
- "B3 For UN No. 0222, flexible IBCs shall be sift-proof and water resistant or shall be fitted with a sift-proof and water resistant liner."
- "B17 For UN No. 0222, metal IBCs are not authorized."

## 4.1.4.3 Special packing instructions concerning the use of large packagings

Insert the following new packing instructions:

LP903 PACKING INSTRUCTION	LP903
This instruction applies to UN Nos. 3090, 3091, 3480 and 3481	
The following large packagings are authorized for a single battery, including for a battery contair	ned in
equipment, provided that the general provisions of <b>4.1.1</b> and <b>4.1.3</b> are met:	
Rigid large packagings conforming to the packing group II performance level, made of:	
steel (50A);	
aluminium (50B);	
metal other than steel or aluminium (50N);	
rigid plastics (50H);	
natural wood (50C);	
plywood (50D);	
reconstituted wood (50F);	
rigid fibreboard (50G).	
The battery shall be packed so that the battery is protected against damage that may be caused	d by its
movement or placement within the large packaging.	
Additional requirement:	
Batteries shall be protected against short circuit.	

LP904 PACKING INSTRUCTION LP904
This instruction applies to UN Nos. 3090, 3091, 3480 and 3481
The following large packagings are authorized for a single damaged or defective battery and for a single damaged or defective battery contained in equipment, provided the general provisions of 4.1.1 and 4.1.3 are met
For batteries and equipment containing batteries:
steel (50A)
aluminium (50B)
metal other than steel or aluminium (50N)
rigid plastics (50H)
plywood (50D)
Packagings shall conform to the packing group II performance level.
<ol> <li>Each battery or equipment containing such battery shall be individually packed in an inner packaging and placed inside of an outer packaging. The inner packaging or outer packaging shall be leak-proof to prevent the potential release of electrolyte.</li> <li>Each inner packaging shall be surrounded by sufficient non-combustible and non-conductive thermal insulation material to protect against a dangerous evolution of heat.</li> <li>Sealed packagings shall be fitted with a venting device when appropriate.</li> <li>Appropriate measures shall be taken to minimize the effects of vibrations and shocks, prevent movement of the battery within the package that may lead to further damage and a dangerous condition during transport. Cushioning material that is non-combustible and non-conductive may also be used to meet this requirement.</li> </ol>
5. Non combustibility shall be assessed according to a standard recognized in the country where the
packaging is designed or manufactured.
For leaking batteries, sufficient inert absorbent material shall be added to the inner or outer packaging to absorb any release of electrolyte.
Additional requirements:
Batteries shall be protected against short circuit.
<ul><li>4.1.6 Special packing provisions for goods of class 2</li><li>4.1.6.1 General provisions</li></ul>
4.1.6.1.2 Replace "ISO 11114-1:1997" with "ISO 11114-1:2012".
4.1.9 Special packing provisions for class 7
4.1.9.1 General
4.1.9 Amend the title to read "Special packing provisions for radioactive material"
4.1.9.1.3 Delete ", other than an excepted package,".

4.1.9.1.6 Amend the introductory sentence to read as follows:

"Before a packaging is first used to transport radioactive material, it shall be confirmed that it has been manufactured in conformity with the design specifications to ensure compliance with the relevant provisions of is Code and any applicable certificate of approval. The following requirements shall also be fulfilled, if applicable:". In subparagraph .1, replace "package" with "packaging".

In subparagraph .2, amend the beginning of the sentence to read as follows:

"For each packaging intended for use as a Type B(U), Type B(M) or Type C package and for each packaging intended to contain fissile material ...".

In subparagraph.3, amend the text to read as follows:

- ".3 For each packaging intended to contain fissile material, it shall be ensured that the effectiveness of the criticality safety features is within the limits applicable to or specified for the design and in particular where, in order to comply with the requirements of 6.4.11.1 neutron poisons are specifically included, checks shall be performed to confirm the presence and distribution of those neutron poisons."
- 4.1.9.1.7 Insert a new paragraph to read as follows:
  - "4.1.9.1.7 Before each shipment of any package, it shall be ensured that the package contains neither:
    - .1 Radionuclides different from those specified for the package design; nor
    - .2 Contents in a form, or physical or chemical state different from those specified for the package design."

Current paragraphs 4.1.9.1.7 to 4.1.9.1.11 become new paragraphs 4.1.9.1.8 to 4.1.9.1.12.

4.1.9.1.8 (former 4.1.9.1.7) Amend to read as follows:

- "4.1.9.1.8 Before each shipment of any package, it shall be ensured that all the requirements specified in the relevant provisions of this Code and in the applicable certificates of approval have been fulfilled. The following requirements shall also be fulfilled, if applicable:
  - .1 It shall be ensured that lifting attachments which do not meet the requirements of 6.4.2.2 have been removed or otherwise rendered incapable of being used for lifting the package, in accordance with 6.4.2.3;
  - .2 Each Type B(U), Type B(M) and Type C package shall be held until equilibrium conditions have been approached closely enough to demonstrate compliance with the requirements for temperature and pressure unless an exemption from these requirements has received unilateral approval;
  - .3 For each Type B(U), Type B(M) and Type C package, it shall be ensured by inspection and/or appropriate tests that all closures, valves and other openings of the containment system through which the radioactive contents might escape are properly closed and, where appropriate, sealed in the manner for which the demonstrations of compliance with the requirements of 6.4.8.8 and 6.4.10.3 were made;

.4 For packages containing fissile material the measurement specified in 6.4.11.5 (b) and the tests to demonstrate closure of each package as specified in 6.4.11.8 shall be performed."

# 4.1.9.2 Provisions and controls for transport of LSA material and SCO

4.1.9.2.2 Amend to read as follows:

"4.1.9.2.2 For LSA material and SCO which are or contain fissile material, which is not excepted under 2.7.2.3.5, the applicable requirements of 7.1.4.5.15 and 7.1.4.5.16 shall be met."

4.1.9.2.3 Insert a new paragraph 4.1.9.2.3 to read as follows:

"4.1.9.2.3 For LSA material and SCO which are or contain fissile material, the applicable requirements of 6.4.11.1 shall be met."

and current paragraphs 4.1.9.2.3 and 4.1.9.2.4 become new paragraphs 4.1.9.2.4 and 4.1.9.2.5 respectively. Table 4.1.9.2.4 is renumbered as 4.1.9.2.5.

4.1.9.2.4 (former 4.1.9.2.3) In .2, delete "and" at the end.

Add a new subparagraph .4 to read as follows:

".4 Unpackaged fissile material shall meet the requirements of 2.7.2.3.5.5"

4.1.9.2.5 (former 4.1.9.2.4) Replace "4.1.9.2.3" with "4.1.9.2.4" and "table 4.1.9.2.4" with "table 4.1.9.2.5".

Table 4.1.9.2.5 In note "a" under the table replace "4.1.9.2.3" with "4.1.9.2.4".

4.1.9.3 Packages containing fissile material

4.1.9.3 Amend to read as follows:

"4.1.9.3 The contents of packages containing fissile material shall be as specified for the package design either directly in the provisions of this Code or in the certificate of approval."

# Chapter 4.2 – Use of portable tanks and multiple-element gas containers (MEGCs)

### 4.2.5 **Portable tank instructions and special provisions**

## 4.2.5.2.6 Portable tank instructions

4.2.5.2.6 Amend the header to the tabulated portable tank instructions for T1 – T22 to read as follows:

"These portable tank instructions apply to liquid and solid substances of Class 1 and Classes 3 to 9. The general provisions of section 4.2.1 and the requirements of section 6.7.2 shall be met."

4.2.5.2.6 In tank instruction T23, at the end of footnote § add: ""CORROSIVE" subsidiary risk placard required (Model No 8, see 5.2.2.2.2)."

## 4.2.5.3 Portable tank special provisions

4.2.5.3 In special provision TP32, paragraph (b), at the beginning, insert "For UN 3375 only,".

4.2.5.3 Add the following new portable tank special provision:

"TP41 The 2.5 year internal examination may be waived or substituted by other test methods or inspection procedures specified by the competent authority or its authorized body, provided that the portable tank is dedicated to the transport of the organometallic substances to which this tank special provision is assigned. However this examination is required when the conditions of 6.7.2.19.7 are met."

### PART 5 CONSIGNMENT PROCEDURES

## Chapter 5.1 – General provisions

## 5.1.2 Use of overpacks and unit loads

5.1.2.1 Add the following new sentence and note at the end:

"The lettering of the "OVERPACK" marking shall be at least 12 mm high.

**Note:** The size requirement for the "OVERPACK" marking shall apply as from 1 January 2016."

### 5.1.3 Empty uncleaned packagings or units

5.1.3.2 Replace "Packagings, including IBCs, and tanks" with "Freight containers, tanks, IBCs, as well as other packagings and overpacks,".

# 5.1.5 General provisions for class 7

## 5.1.5.1 Approval of shipments and notification

#### 5.1.5.1.1 General

- 5.1.5.1.1 In the first sentence replace "for package designs" with "of package designs".
- 5.1.5.1.2 *Shipment approvals*
- 5.1.5.1.2 In subparagraph .4 replace "according to" with "in accordance with".
- 5.1.5.1.4 *Notifications*

5.1.5.1.4 In subparagraph .3 replace "for shipment approval" with "for approval of shipment (see 6.4.23.2)".

5.1.5.2 Certificates issued by competent authority

5.1.5.2.1 In .1, insert a new subparagraph .3 to read as follows:

".3 fissile material excepted under 2.7.2.3.5.6;".

and consequently, current subparagraphs .3 to .6 are renumbered as .4 to .7.

5.1.5.2.1 In subparagraph .5 (former .4) delete "all" and "replace "6.4.11.2" with "2.7.2.3.5, 6.4.11.2 or 6.4.11.3".

- 5.1.5.2.1 Insert new .4 and .5 to read as follows:
  - ".4 Determination of the basic radionuclide values referred to in 2.7.2.2.1 for individual radionuclides which are not listed in table 2.7.2.2.1 (see 2.7.2.2.2.1);
  - .5 Alternative activity limits for an exempt consignment of instruments or articles (see 2.7.2.2.2.2);.
- 5.1.5.2.1 Amend the second paragraph after subparagraphs .1 to .5 to read as follows:

"The certificates of approval for the package design and the shipment may be combined into a single certificate."

5.1.5.2.3 In the first sentence, amend the beginning of the sentence to read:

"For package designs where it is not required that a competent authority issue a certificate of approval, the consignor ..."

5.1.5.3 Determination of transport index (TI) and criticality safety index (CSI)

5.1.5.3.4 In the first sentence, replace "and overpacks" with ", overpacks and freight containers".

In subparagraph .1, replace (twice) "or overpack" with ", overpack or freight container".

In subparagraph.5, insert "or freight container" after "overpack".

In the table in 5.1.5.3.4, replace "and overpacks" with ", overpacks and freight containers" and in note "b" to the table insert at end "except for freight containers (see table 7.1.4.5.3)".

5.1.5.3.5 Replace "design or shipment approval" with "approval of design or shipment".

5.1.5.4 Specific provisions for excepted packages

5.1.5.4 Amend the title to read "Specific provisions for excepted packages of radioactive material of Class 7".

5.1.5.4.1 After "excepted packages", insert "of radioactive material of Class 7".

- 5.1.5.4.2 Amend to read as follows:
  - "5.1.5.4.2 The documentation requirements of Chapter 5.4 do not apply to excepted packages of radioactive material of Class 7, except that:
    - .1 The UN number preceded by the letters "UN" and the name and address of the consignor and the consignee and, if relevant, the identification mark for each competent authority certificate of approval (see 5.4.1.5.7.1 7.) shall be shown on a transport document such as a bill of lading, air waybill or other similar document complying with the requirements of 5.4.1.2.1 to 5.4.1.2.4;
    - .2 The requirements of 5.4.1.6.2 and, if relevant, those of 5.4.1.5.7.1.7, 5.4.1.5.7.3 and 5.4.1.5.7.4 shall apply;
    - .3 The requirements of 5.4.2 and 5.4.4 shall apply."
- 5.1.5.4.3 Insert a new paragraph to read as follows:

"5.1.5.4.3 The requirements of 5.2.1.5.8 and 5.2.2.1.12.5 shall apply if relevant."

# 5.1.5.5 Specific provisions for the consignment of fissile material

Insert a new section 5.1.5.5 as follows:

## **"5.1.5.5** Specific provisions for the consignment of fissile material

Fissile material meeting one of the provisions of 2.7.2.3.5.1 to 2.7.2.3.5.6 shall meet the following requirements:

- .1 Only one of the provisions of 2.7.2.3.5.1 to 2.7.2.3.5.6 is allowed per consignment;
- .2 Only one approved fissile material in packages classified in accordance with 2.7.2.3.5.6 is allowed per consignment unless multiple materials are authorized in the certificate of approval;
- .3 Fissile material in packages classified in accordance with 2.7.2.3.5.3 shall be transported in a consignment with no more than 45 g of fissile nuclides;
- .4 Fissile material in packages classified in accordance with 2.7.2.3.5.4 shall be transported in a consignment with no more than 15 g of fissile nuclides;
- .5 Unpackaged or packaged fissile material classified in accordance with 2.7.2.3.5.5 shall be transported under exclusive use on a conveyance with no more than 45 g of fissile nuclides."

# Chapter 5.2 – Marking and labelling of packages including IBCs

# 5.2.1 Marking of packages including IBCs

5.2.1.1 Amend the second sentence to read as follows:

"The UN number and the letters "UN" shall be at least 12 mm high, except for packages of 30 litres capacity or less or of 30 kg maximum net mass and for cylinders of 60 litres water capacity when they shall be at least 6 mm in height and except for packages of 5 litres or 5 kg or less when they shall be of an appropriate size."

5.2.1.3 Add the following new sentence and note at the end:

"The lettering of the "SALVAGE" marking shall be at least 12 mm high.

**NOTE:** The size requirement for the "SALVAGE" marking shall apply as from 1 January 2016."

- 5.2.1.5 Special marking provisions for class 7
- 5.2.1.5 Replace "for Class 7" with "for radioactive material".
- 5.2.1.5.1 Insert the following sentence at the end:

"Each overpack shall be legibly and durably marked on the outside of the overpack with an identification of either the consignor or consignee, or both unless these markings of all packages within the overpack are clearly visible."

- 5.2.1.5.2 After "excepted packages" insert "of radioactive material of Class 7".
- 5.2.1.5.5 Amend the introductory sentence to read as follows:

"Each package which conforms to a design approved under one or more of paragraphs 5.1.5.2.1, 6.4.22.1 to 6.4.22.4, 6.4.23.4 to 6.4.23.7 and 6.4.24.2 shall be legibly and durably marked on the outside of the package with the following information:"

- 5.2.1.5.5 Amend .3 to read as follows:
  - ".3 "Type B(U)", "Type B(M)" or "Type C", in the case of a Type B(U), Type B(M) or Type C package design"
- 5.2.1.5.5 Delete subparagraph 4.
- 5.2.1.5.7 Replace "4.1.9.2.3" with "4.1.9.2.4".

5.2.1.5.8 Replace "competent authority design or shipment approval" with "competent authority approval of design or shipment".

- 5.2.1.6 Special marking provisions for marine pollutants
- 5.2.1.6.1 Replace existing paragraph with the following:
  - "5.2.1.6.1 "Except as provided in 2.10.2.7, packages containing marine pollutants meeting the criteria of 2.9.3 shall be durably marked with the marine pollutant mark."

- 5.2.1.6.3 Amend 5.2.1.6.3 and figure to read as follows:
  - "5.2.1.6.3 The marine pollutant mark shall be as shown in the figure below.



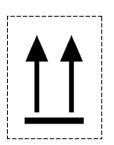
Marine Pollutant Mark

The marking shall be in the form of a square set at an angle of  $45^{\circ}$  (diamond-shaped). The symbol (fish and tree) shall be black on white or suitable contrasting background. The minimum dimensions shall be 100 mm x 100 mm and the minimum width of line forming the diamond shall be 2 mm. If the size of the package so requires, the dimensions/line thickness may be reduced, provided the marking remains clearly visible. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

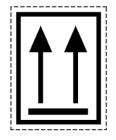
**NOTE 1**: The labelling provisions of 5.2.2 apply in addition to any requirement for packages to bear the marine pollutant mark.

**NOTE 2:** The provisions of 5.2.1.6.3 of IMDG Code (Amendment 36-12) may continue to be applied until 31 December 2016."

5.2.1.7 Amend the figures and caption below to read as follows:



or



Two black or red arrows on white or suitable contrasting background. The rectangular border is optional All features shall be in approximate proportion to those shown."

# 5.2.2 Labelling of packages including IBCs

## 5.2.2.1 Labelling provisions

### 5.2.2.1.12 Special provisions for the labelling of radioactive material

5.2.2.1.12.1 Amend the first and second sentences to read as follows:

"Except when enlarged labels are used in accordance with 5.3.1.1.5.1, each package, overpack and freight container containing radioactive material shall bear the labels conforming to the applicable models Nos. 7A, 7B or 7C, according to the appropriate category. Labels shall be affixed to two opposite sides on the outside of the package or overpack or on the outside of all four sides of a freight container or tank."

5.2.2.1.12.1 In the fourth sentence amend "under 6.4.11.2" read "under the provisions of 2.7.2.3.5", replace "which conform to model" with "conforming to model"; replace the last phrase of the fourth sentence with the following:

"such labels, where applicable shall be affixed adjacent to the labels conforming to the applicable model Nos. 7A, 7B or 7C."

5.2.2.1.12.2 In the introductory sentence, replace "Nos. 7A, 7B and 7C" with "the applicable model No. 7A, 7B or 7C".

5.2.2.1.12.2 In .2, amend the last sentence to read as follows:

"For fissile material, the total mass of fissile nuclides in units of grams (g), or multiples thereof, may be used in place of activity".

5.2.2.1.12.3 Amend to read as follows:

"5.2.2.1.12.3 Each label conforming to the model No. 7E shall be completed with the criticality safety index (CSI) as stated in the certificate of approval applicable in the countries through or into which the consignment is transported and issued by the competent authority or as specified in 6.4.11.2 or 6.4.11.3."

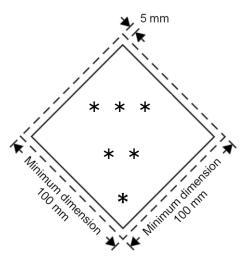
5.2.2.1.12.4 Amend to read as follows:

"5.2.2.1.12.4 For overpacks and freight containers, the label conforming to model No. 7E shall bear the sum of the criticality safety indexes of all the packages contained therein".

5.2.2.1.12.5 Replace "competent authority design or shipment approval" with "competent authority approval of design or shipment".

- 5.2.2.2 Provisions for labels
- 5.2.2.2.1.1 Amend to read as follows:

"5.2.2.2.1.1 Labels shall be configured as shown in the figure below:



Class/division label

- \* The class or, for divisions 5.1 and 5.2, the Division number shall be shown in the bottom corner
- \*\* Additional text/numbers/letters shall (if mandatory) or may (if optional) be shown in this bottom half
- \*\*\* The class or division symbol or, for divisions 1.4, 1.5 and 1.6, the division number and for Model No 7E the word "FISSILE" shall be shown in this top half".

5.2.2.2.1.1.1 Labels shall be displayed on a background of contrasting colour, or shall have either a dotted or solid outer boundary line.

5.2.2.2.1.1.2 The label shall be in the form of a square set at an angle of  $45^{\circ}$  (diamond-shaped). The minimum dimensions shall be 100 mm x 100 mm and the minimum width of the line inside the edge forming the diamond shall be 2 mm. The line inside the edge shall be parallel and 5 mm from the outside of that line to the edge of the label. The line inside the edge on the upper half of the label shall be the same colour as the symbol and the line inside the edge on the lower half of the label shall be the same colour as the class or division number in the bottom corner. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

5.2.2.2.1.1.3 If the size of the package so requires the dimensions may be reduced, provided the symbols and other elements of the label remain clearly visible. The line inside the edge shall remain 5 mm to the edge of the label. The minimum width of the line inside the edge shall remain 2 mm. Dimensions for cylinders shall comply with 5.2.2.2.1.2.

**NOTE:** The provisions of 5.2.2.2.1.1 of the IMDG Code (Amendment 36-12) may continue to be applied until 31 December 2016. When so applied, 5.2.2.2.1.1.1, 5.2.2.2.1.1.2 and 5.2.2.2.1.1.3 shall not apply until 31 December 2016."

# 5.2.2.2.2 Specimen Labels

- 5.2.2.2.2 Insert a new "note" under the heading as follows:
  - "Note: Labels shall satisfy the provisions below and conform, in terms of colour, symbols and general format, to the models shown in 5.2.2.2.2. Corresponding models required for other modes of transport, with minor variations which do not affect the obvious meaning of the label, are also acceptable."

The following symbols within the IMDG Code, should be replaced by those used by the UN Recommendations:

Class 2.1, Class 2.3, No. 3, No. 4, Class 4.3, Class 5.1, Class 5.2, Class 6 and Class 8.

#### Chapter 5.3 – Placarding and marking of cargo transport units

#### 5.3.1 Placarding

#### 5.3.1.1 Placarding provisions

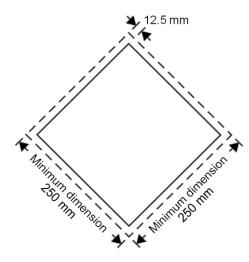
#### 5.3.1.1.4 *Placarding requirements*

- 5.3.1.1.4.1 Replace the existing subparagraph ".1" with the following:
  - ".1 a freight container, semi-trailer or portable tank: one on each side and one on each end of the unit. Portable tanks having a capacity of less than 3,000 litres may be placarded or, alternatively, may be labeled instead, on only two opposite sides."
- 5.3.1.1.5 Special provisions for class 7
- 5.3.1.1.5.1 Amend the last sentence to read as follows:

"Instead of using both labels and placards, it is permitted as an alternative to use enlarged labels only, as shown in label models Nos. 7A, 7B and 7C, except having the minimum size shown in figure 5.3.1."

5.3.1.1.5.2 In the introductory sentence replace "No." with "Nos.", "or 7E" with "and 7E" and "(Model 7D)" with "(model No.7D)".

- 5.3.1.2 Specifications for placards
- 5.3.1.2.1 Amend to read as follows:
  - "5.3.1.2.1 Except as provided in 5.3.1.2.2 for the Class 7 placard, and in 5.3.2.3.2 for the marine pollutant mark, a placard shall be configured as shown in the figure below.



Placard (except for class 7)

The placard shall be in the form of a square set at an angle of  $45^{\circ}$  (diamond-shaped). The minimum dimensions shall be 250 mm x 250 mm (to the edge of the placard). The line inside the edge shall be parallel and 12.5 mm from the outside of that line to the edge of the placard. The symbol and line inside the edge shall correspond in colour to the label for the class or division of the dangerous goods in question. The class or division symbol/numeral shall be positioned and sized in proportion to those prescribed in 5.2.2.2 for the corresponding class or division of the dangerous goods in question. The placard shall display the number of the class or division (and for goods in Class 1, the compatibility group letter) of the dangerous goods in question in the manner prescribed in 5.2.2.2 for the corresponding label, in digits not less than 25 mm high. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

**NOTE:** The provisions of 5.3.1.2.1 from the IMDG Code (amendment 36-12) may continue to be applied until 31 December 2016."

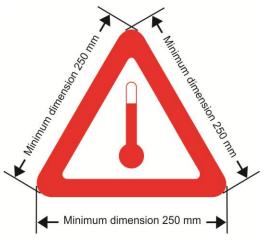
# 5.3.2 Marking of cargo transport units

5.3.2.0.2 Insert a new second new sentence as follows:

"This may be reduced to 12 mm for portable tank containers with a capacity of less than 3,000 litres."

# 5.3.2.2 Elevated temperature substances

- 5.3.2.2.1 Amend to read as follows:
  - "5.3.2.2.1 Cargo transport units containing a substance that is transported or offered for transport in a liquid state at a temperature equal to or exceeding 100°C, in a solid state at a temperature equal to or exceeding 240°C shall bear on each side and on each end the mark shown in the figure below.



Mark for transport at elevated temperature

The marking shall be an equilateral triangle. The colour of the mark shall be red. The minimum dimension of the sides shall be 250 mm except for portable tanks with a capacity of less than 3,000 litres where the sides may be reduced to 100 mm. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

**Note:** The provisions of 5.3.2.2 of the IMDG Code (Amendment 36-12) may continue to be applied until 31 December 2016."

# 5.3.2.3 Marine pollutant mark

- 5.3.2.3 Replace existing paragraph under 5.3.2.3 with the following:
  - "5.3.2.3.1 Except as provided in 2.10.2.7, cargo transport units containing marine pollutants shall clearly display the marine pollutant mark in locations indicated in 5.3.1.1.4.1"
  - 5.3.2.3.2 The marine pollutant mark for cargo transport units shall be as described in 5.2.1.6.3, except that the minimum dimensions shall be 250 mm x 250 mm. For portable tanks with a capacity of less than 3,000 litres, the dimensions may be reduced to 100 mm x 100 mm."

# Chapter 5.4 – Documentation

#### 5.4.1 Dangerous goods transport information

# 5.4.1.4.3 Information which supplements the Proper Shipping Name in the dangerous goods description

5.4.1.4.3 Replace existing subparagraph ".5" with the following:

".5 Marine pollutants: Except as provided in 2.10.2.7, if the goods to be transported are marine pollutants, the goods shall be identified as "MARINE POLLUTANT", and for generic or "not otherwise specified" (N.O.S.) entries the Proper Shipping Name shall be supplemented with

the recognized chemical name of the marine pollutant (see 3.1.2.9). The term "MARINE POLLUTANT" may be supplemented with the term "ENVIRONMENTALLY HAZARDOUS";

- 5.4.1.5 Information required in addition to the dangerous goods description
- 5.4.1.5.7 Radioactive material
- 5.4.1.5.7.1 Amend subparagraph .6 to read as follows:
  - ".6 For fissile material:
    - (i) Shipped under one exception of 2.7.2.3.5.1 to 2.7.2.3.5.6, reference to that paragraph;
    - (ii) Shipped under 2.7.2.3.5.1 to 2.7.2.3.5.5, the total mass of fissile nuclides;
    - (iii) Contained in a package for which one of 6.4.11.2 (a) to (c) or 6.4.11.3 is applied, reference to that paragraph;
    - (iv) The criticality safety index, where applicable."

5.4.1.5.7.1 In subparagraph .7, replace "competent authority approval certificate" with "competent authority certificate of approval" and insert "fissile material excepted under 2.7.2.3.5.6," before "special arrangement".

5.4.1.5.7.3 Replace "competent authorities design or shipment approval" with "competent authority approval of design or shipment".

5.4.1.6 Certification

5.4.1.6.1 In the text of the certification, after "above", insert "/ below\*".

and insert the following footnote:

"\* as appropriate".

# 5.4.1.5.12 Transport of solid dangerous goods in bulk containers

5.4.1.5.12 At the end replace the sentence "Bulk container BK2 approved by the competent authority of ..." with the following:

"Bulk container BK(x) approved by the competent authority of ...".

and at the end insert the following note:

**Note:** "(x)" shall be replaced with "1" or "2", as appropriate.

# 5.4.2 Container/vehicle packing certificate

- 5.4.2.1.8 Amend to read as follows:
  - ".8 When substances presenting a risk of asphyxiation are used for cooling or conditioning purposes (such as dry ice (UN 1845) or nitrogen, refrigerated liquid (UN 1977) or argon, refrigerated liquid (UN 1951)), the container/vehicle is externally marked in accordance with 5.5.3.6; and".

#### 5.4.3 Documentation required aboard the ship

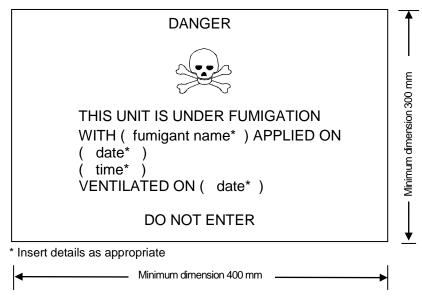
5.4.3.1 The footnote reference in the paragraph "\* FAL.2/Circ.52/Rev.1 may be used for this purpose" is replaced with "Resolution FAL. 10(35), adopted on 16 January 2009, amendments to the annex to the convention on facilitation of international maritime traffic, 1965".

#### Chapter 5.5 – Special provisions

## 5.5.2.3 Marking and placarding

Amend 5.5.2.3.2 as follows:

#### "5.5.2.3.2 The fumigation warning mark shall be as shown in the figure below.



#### Fumigation warning mark

The marking shall be a rectangle. The minimum dimensions shall be 400 mm wide x 300 mm high and the minimum width of the outer line shall be 2 mm. The marking shall be in black print on a white background with lettering not less than 25 mm high. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

**Note:** The provisions of 5.5.2.3.2 of the IMDG Code (Amendment 36-12) may continue to be applied until 31 December 2016."

5.5.3 Special provisions applicable to packages and cargo transport units containing substances presenting a risk of asphyxiation when used for cooling or conditioning purposes (such as dry ice (UN 1845) or nitrogen, refrigerated liquid (UN 1977) or argon, refrigerated liquid (UN 1951))

#### 5.5.3.1 Scope

- 5.5.3 Add a new subparagraph 5.5.3.1.4 to read as follows:
  - "5.5.3.1.4 Cargo transport units containing substances used for cooling or conditioning purposes include cargo transport units containing substances used for cooling or conditioning purposes inside packages as well as cargo transport units with unpackaged substances used for cooling or conditioning purposes."

## 5.5.3.2 General

- 5.5.3.2.2 Amend the first sentence as follows:
  - "5.5.3.2.2 When dangerous goods are loaded in cargo transport units containing substances used for cooling or conditioning purposes any provisions of these Regulations relevant to these dangerous goods apply in addition to the provisions of this section."
- 5.5.3.2.4 Amend to read as follows:
  - "5.5.3.2.4 Persons engaged in the handling or transport of cargo transport units containing substances used for cooling or conditioning purposes shall be trained commensurate with their responsibilities."

#### 5.5.3.6 Marking of cargo transport units

- 5.5.3.6.1 Add "purposes" after "cooling or conditioning" in the first sentence.
- 5.5.3.6.2 Amend paragraph to read as follows:
  - "5.5.3.6.2 The warning mark shall be as shown in the figure below



Coolant/conditioning warning mark for cargo transport units

- \* Insert proper shipping name of the coolant/conditioner. The lettering shall be in capitals, all be on one line and shall be at least 25 mm high. If the length of the proper shipping name is too long to fit in the space provided, the lettering may be reduced to the maximum size possible to fit. For example: CARBON DIOXIDE, SOLID.
- \*\* Insert "AS COOLANT" or "AS CONDITIONER" as appropriate. The lettering shall be in capitals, all be on one line and be at least 25 mm high.

The marking shall be a rectangle. The minimum dimensions shall be 150 mm wide x 250 mm high. The word "WARNING" shall be in red or white and be at least 25 mm high. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

**NOTE:** The provisions of 5.5.3.6.2 of the IMDG Code (Amendment 36-12) may continue to be applied until 31 December 2016."

# 5.5.3.7 Documentation

5.5.3.7.1 Replace "that have been cooled or conditioned" with "containing or have contained substances used for cooling or conditioning purposes".

## PART 6 CONSTRUCTION AND TESTING OF PACKAGINGS, INTERMEDIATE BULK CONTAINERS (IBCs), LARGE PACKAGINGS, PORTABLE TANKS, MULTIPLE-ELEMENT GAS CONTAINERS (MEGCs) AND ROAD TANK VEHICLES

# Chapter 6.1 – Provisions for the construction and testing of packagings (other than for class 6.2 substances)

## 6.1.1 Applicability and general provisions

## 6.1.1.1 Applicability

6.1.1.1.4 Amend to read "Packagings for liquids, other than combination packagings, with capacity exceeding 450 L".

## 6.1.3 Marking

6.1.3.1(e) Insert a reference to note "\*" at the centre of the symbol and add the following note under the symbol:

"\* The last two digits of the year of manufacture may be displayed at that place. In such a case, the two digits of the year in the type approval marking and in the inner circle of the clock shall be identical."

and insert a new Note at the end to read as follows:

"**NOTE**: Other methods that provide the minimum required information in a durable, visible and legible form are also acceptable."

#### Chapter 6.2 – Provisions for the construction and testing of pressure receptacles, aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas

#### 6.2.1 General provisions

#### 6.2.1.1 Design and construction

6.2.1.1.5 Add the following new last sentence:

"The test pressure of a cylinder for an adsorbed gas shall be in accordance with packing instruction P208."

#### 6.2.2 **Provisions for UN pressure receptacles**

6.2.2 Add the following new second sentence:

"Manufacture of new pressure receptacles or service equipment according to any particular standard in 6.2.2.1 and 6.2.2.3 is not permitted after the date shown in the right hand column of the tables."

Renumber the existing NOTE as "NOTE 1".

Add the following new note:

"**NOTE 2:** UN pressure receptacles and service equipment constructed according to standards applicable at the date of manufacture may continue in use subject to the periodic inspection provisions of this Code."

## 6.2.2.1 Design, construction and initial inspection and test

6.2.2.1.1 In the table, add a new third column. Add a new first row with the following text:

|--|

For ISO Standards "ISO 9809-1:1999", "ISO 9809-2:2000" and "ISO 9809-3:2000", in the third column, add "Until 31 December 2018".

After ISO Standard "ISO 9809-1:1999" add the following new standard:

ISO 9809-1:2010	Gas cylinders Refillable seamless steel gas	Until further
	cylinders Design, construction and testing Part 1:	notice
	Quenched and tempered steel cylinders with tensile	
	strength less than 1 100 MPa	

After ISO Standard "ISO 9809-2:2000" add the following new standard:

ISO 9809-2:2010	Gas cylinders – Refillable seamless steel gas	Until further
	cylinders – Design, construction and testing – Part 2:	notice
	Quenched and tempered steel cylinders with tensile	
	strength greater than or equal to 1 100 MPa	

After ISO Standard "ISO 9809-3:2000" add the following new standard:

ISO 9809-3:2010	Gas cylinders Refillable seamless steel gas	Until further
	cylinders Design, construction and testing Part 3:	notice
	Normalized steel cylinders	

For all the other standards, in the column "Applicable for manufacture", add "Until further notice".

6.2.2.1.2 In the table, add a new third column. Add a new first row with the following text:

Reference	Title	Applicable for
Reference	The	manufacture

For ISO Standard "ISO 11120:1999", in the column "Applicable for manufacture", add "Until further notice".

0.2.2.1.3 America the matrix table to read as follows.	6.2.2.1.3	Amend the first table to read as follows:
--	-----------	---

Reference	Title	Applicable for manufacture
ISO 9809-1:1999	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa <b>NOTE:</b> The note concerning the F factor in section 7.3 of this standard shall not be applied for UN cylinders.	Until 31 December 2018
ISO 9809-1:2010	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa	Until further notice
ISO 9809-3:2000	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders	Until 31 December 2018
ISO 9809-3:2010	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders	Until further notice

6.2.2.1.3 (second table), 6.2.2.1.4 and 6.2.2.1.5 In the tables, add a new third column. Add a new first row with the following text:

Reference	Title	Applicable for manufacture
-----------	-------	-------------------------------

For all the standards, in the column "Applicable for manufacture", add "Until further notice".

- 6.2.2.1.6 After 6.2.2.1.5 insert the following new paragraphs:
  - "6.2.2.1.6 The standard shown below applies for the design, construction and initial inspection and test of UN bundles of cylinders. Each cylinder in a UN bundle of cylinders shall be a UN cylinder complying with the requirements of 6.2.2. The inspection requirements related to the conformity assessment system and approval for UN bundles of cylinders shall be in accordance with 6.2.2.5.

Reference	Title	Applicable for manufacture
ISO 10961:2010	Gas cylinders – Cylinder bundles – Design, manufacture, testing and inspection	Until further notice

**NOTE**: Changing one or more cylinders of the same design type, including the same test pressure, in an existing UN bundle of cylinders does not require re-certification of the existing bundle."

"6.2.2.1.7 The following standards apply for the design, construction and initial inspection and test of UN cylinders for adsorbed gases except that the inspection requirements related to the conformity assessment system and approval shall be in accordance with 6.2.2.5.

Reference	Title	Applicable for manufacture
ISO 11513:2011	Gas cylinders – Refillable welded steel cylinders containing materials for sub-atmospheric gas packaging (excluding acetylene) – Design, construction, testing, use and periodic inspection	Until further notice
ISO 9809- 1:2010	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa	Until further notice

# 6.2.2.2 Materials

6.2.2.2 Replace "ISO 11114-1:1997" with "ISO 11114-1:2012". In the title for standard "ISO 11114-1:2012", delete "Transportable". Delete the note at the end.

# 6.2.2.3 Service equipment

6.2.2.3 Amend the first table to read as follows:

Reference	Title	Applicable for manufacture
ISO 11117:1998	Gas cylinders – Valve protection caps and valve	Until 31
	guards for industrial and medical gas cylinders –	December
	Design, construction and tests	2014
ISO 11117:2008	Gas cylinders – Valve protection caps and valve	Until further
+ Cor 1:2009	guards – Design, construction and tests	notice
ISO 10297:1999	Gas cylinders – Refillable gas cylinder valves –	Until 31
	Specification and type testing	December
		2008
ISO 10297:2006	Gas cylinders – Refillable gas cylinder valves –	Until further
	Specification and type testing	notice
ISO 13340:2001	Transportable gas cylinders – Cylinders valves for non-	Until further
	refillable cylinders – Specification and prototype testing	notice

6.2.2.3 In the second table, add a new third column. Add a new first row with the following text:

Reference	Title	Applicable for
Kelefelice	THE	manufacture

For ISO Standard "ISO 16111:2008", in the column "Applicable for manufacture", add "Until further notice".

6.2.2.4 In the table, add a new third column. Add a new first row with the following text:

Reference	Title	Applicable
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For all standards, in the column "Applicable", add "Until further notice".

## 6.2.2.4 Periodic inspection and test

6.2.2.4 In the table of standards for periodic inspection and test, after the entry for "ISO 10462:2005" add the following new entry:

ISO	Gas cylinders – Refillable welded steel cylinders containing	Until further
11513:2011	materials for sub-atmospheric gas packaging (excluding	notice
	acetylene) – Design, construction, testing, use and periodic	
	inspection	

## 6.2.2.7 Marking of refillable UN pressure receptacles

- 6.2.2.7 Amend the note to read as follows:
  - "Note: Marking requirements for UN metal hydride storage systems are given in 6.2.2.9 and marking requirements for UN bundles of cylinders are given in 6.2.2.10."
- 6.2.2.7.4 In subparagraph (p) replace "ISO 11114-1:1997" with "ISO 11114-1:2012".
- 6.2.2.7.9 Is deleted.

## 6.2.2.9 Marking of UN metal hydride storage systems

6.2.2.9.2 In subparagraph (j) replace "ISO 11114-1:1997" with "ISO 11114-1:2012".

## 6.2.2.10 Marking of bundles of cylinders

Add the following new section:

#### "6.2.2.10 Marking of bundles of cylinders

6.2.2.10.1 Individual cylinders in a bundle of cylinders shall be marked in accordance with 6.2.2.7.

6.2.2.10.2 Refillable UN bundles of cylinders shall be marked clearly and legibly with certification, operational, and manufacturing marks. These marks shall be permanently affixed (e.g. stamped, engraved, or etched) on a plate permanently attached to the frame of the bundle of cylinders. Except for the UN packaging symbol, the minimum size of the marks shall be 5 mm. The minimum size of the UN packaging symbol shall be 10 mm.

- 6.2.2.10.3 The following marks shall be applied:
  - (a) The certification marks specified in 6.2.2.7.2 (a), (b), (c), (d) and (e);
  - (b) The operational marks specified in 6.2.2.7.3 (f), (i), (j) and the total of the mass of the frame of the bundle and all permanently attached parts (cylinders, manifold, fittings and valves). Bundles intended for the carriage of UN 1001 acetylene, dissolved and UN 3374 acetylene, solvent free shall bear the tare mass as specified in clause B.4.2 of ISO 10961:2010; and
  - (c) The manufacturing marks specified in 6.2.2.7.4 (n), (o) and, where applicable, (p).

- 6.2.2.10.4 The marks shall be placed in three groups:
  - (a) The manufacturing marks shall be the top grouping and shall appear consecutively in the sequence given in 6.2.2.10.3 (c);
  - (b) The operational marks in 6.2.2.10.3 (b) shall be the middle grouping and the operational mark specified in 6.2.2.7.3 (f) shall be immediately preceded by the operational mark specified in 6.2.2.7.3 (i) when the latter is required;
  - (c) Certification marks shall be the bottom grouping and shall appear in the sequence given in 6.2.2.10.3 (a)."

# 6.2.4 Provisions for aerosol dispensers, small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas

6.2.4 In the heading, delete the word "flammable". Insert the following text after the heading:

"Each filled aerosol dispenser or gas cartridge or fuel cell cartridge shall be subjected to a test in a hot water bath in accordance with 6.2.4.1 or an approved water bath alternative in accordance with 6.2.4.2."

# 6.2.4.1 Small receptacles containing gas (gas cartridges) and fuel cell cartridges containing liquefied flammable gas

Delete 6.2.4.1, 6.2.4.1.1 and 6.2.4.1.2, heading 6.2.4.2 and the text under this heading.

Renumber heading 6.2.4.2.1 as 6.2.4.1.

# 6.2.4.2 Aerosol dispensers

#### 6.2.4.2.1 Hot water bath test

6.2.4.2.1.1 Renumber as 6.2.4.1.1. In the first sentence, after "capacity of the aerosol dispenser" insert ", gas cartridge or fuel cell cartridge". In the second sentence, after "to heat or if aerosol dispensers" insert "gas cartridges or fuel cell cartridges" and after "one aerosol dispenser," insert "gas cartridge or fuel cell cartridge".

6.2.4.2.1.2 Renumber as 6.2.4.1.2. After the first "aerosol dispenser" insert ", receptacle or fuel cell cartridge". After the second "aerosol dispenser" insert ", gas cartridge or fuel cell cartridge".

Renumber heading 6.2.4.2.2 as 6.2.4.2 and, in the text under this heading, replace "of 6.2.4.2.2.1, 6.2.4.2.2.2 and 6.2.4.2.2.3" by "of 6.2.4.2.1 and, as appropriate, 6.2.4.2.2 or 6.2.4.2.3".

## 6.2.4.2.2 Alternative methods

6.2.4.2.2.1 Renumber as 6.2.4.2.1. In the first sentence, after "Aerosol dispenser" insert ", gas cartridge or fuel cell cartridge". In the second sentence, after "that all aerosol dispensers" insert ", gas cartridges or fuel cell cartridges" In indent (f) insert the following text at the end ", gas cartridges or fuel cell cartridges".

Before 6.2.4.2.2.2, insert the following text "6.2.4.2.2 Aerosol dispensers".

6.2.4.2.2.2 Pressure and leak testing of aerosol dispensers before filling

6.2.4.2.2.2 Renumber as 6.2.4.2.2.1. Replace "Every" with "Each" at the beginning of the first sentence.

6.2.4.2.2.3 Testing of the aerosol dispensers after filling

6.2.4.2.2.3 Renumber as 6.2.4.2.2.2.

Add a new 6.2.4.2.3 to read as follows:

"6.2.4.2.3 Gas cartridges and fuel cell cartridges

6.2.4.2.3.1 Pressure testing of gas cartridges and fuel cell cartridges

Each gas cartridge or fuel cell cartridge shall be subjected to a test pressure equal to or in excess of the maximum expected in the filled receptacle at 55°C (50°C if the liquid phase does not exceed 95% of the capacity of the receptacle at 50°C). This test pressure shall be that specified for the gas cartridge or fuel cell cartridge and shall not be less than two thirds the design pressure of the gas cartridge or fuel cell cartridge. If any gas cartridge or fuel cell cartridge shows evidence of leakage at a rate equal to or greater than  $3.3 \times 10^{-2}$  mbar.l.s<sup>-1</sup> at the test pressure or distortion or any other defect, it shall be rejected.

6.2.4.2.3.2 Leak testing gas cartridges and fuel cell cartridges

Prior to filling and sealing, the filler shall ensure that the closures (if any), and the associated sealing equipment are closed appropriately and the specified gas is used.

Each filled gas cartridge or fuel cell cartridge shall be checked for the correct mass of gas and shall be leak tested. The leak detection equipment shall be sufficiently sensitive to detect at least a leak rate of  $2.0 \times 10^{-3}$  mbar.l.s<sup>-1</sup> at 20°C.

Any gas cartridge or fuel cell cartridge that has gas masses not in conformity with the declared mass limits or shows evidence of leakage or deformation, shall be rejected."

# Chapter 6.4 – Provisions for the construction, testing and approval of packages and material of class 7

In the title, replace "class 7" with "radioactive material".

#### 6.4.2 General provisions

- 6.4.2.11 Insert a new paragraph 6.4.2.11 to read as follows:
  - "6.4.2.11 A package shall be so designed that it provides sufficient shielding to ensure that, under routine conditions of transport and with the maximum radioactive contents that the package is designed to contain, the radiation level at any point on the external surface of the package would not exceed the values specified in 2.7.2.4.1.2, 4.1.9.1.10 and 4.1.9.1.11, as applicable, with account taken of 7.1.4.5.3.3 and 7.1.4.5.5".

Current paragraphs 6.4.2.11 and 6.4.2.12 become 6.4.2.12 and 6.4.2.13 respectively.

## 6.4.3 Additional provisions for packages transported by air

6.4.3.3 Replace "leakage" with "loss or dispersal of radioactive contents from the containment system,".

#### 6.4.6 **Provisions for packages containing uranium hexafluoride**

6.4.6.1 Amend the first sentence to read as follows:

"Packages designed to contain uranium hexafluoride shall meet the requirements which pertain to the radioactive and fissile properties of the material prescribed elsewhere in this Code."

6.4.6.2 In subparagraphs .1 and .3, insert at the end: "except as allowed in 6.4.6.4".

6.4.6.4 In the introductory sentence replace "the approval of the competent authority" with "multilateral approval" and insert "the packages are designed:" at the end, after "if".

and in subparagraphs (a) and (b) delete "the packages are designed" and replace "and" with "and/or" at the end. In subparagraph (c), delete "for packaged designed" and replace "hexafluoride, the packages" with "hexafluoride and the packages".

#### 6.4.8 **Provisions for Type B(U) packages**

6.4.8.1 Amend to read as follows:

"6.4.8.1 Type B(U) packages shall be designed to meet the requirements specified in 6.4.2, the requirements specified in 6.4.3 if carried by air, and of 6.4.7.2 to 6.4.7.15, except as specified in 6.4.7.14 (a), and, in addition, the requirements specified in 6.4.8.2 to 6.4.8.15."

6.4.8.2 Amend the end of the introductory paragraph to read: "...which may cause one or more of the following:". And in (a) and (b), delete "or" at the end.

6.4.8.8 In subparagraph (b), replace "and the tests in" with "and either the test in."

#### 6.4.9 **Provisions for Type B(M) packages**

6.4.9.1 In the first sentence, replace "6.4.8.4, 6.4.8.5 and 6.4.8.6," with "6.4.8.4 to 6.4.8.6". And in the second sentence, insert "6.4.8.4 and" after "packages specified in".

#### 6.4.10 **Provisions for Type C packages**

6.4.10.3 Amend to read as follows:

"6.4.10.3 A package shall be so designed that, if it were at the maximum normal operating pressure and subjected to:

- (a) The tests specified in 6.4.15, it would restrict the loss of radioactive contents to not more than  $10^{-6}$  A<sub>2</sub> per hour; and
- (b) The test sequences in 6.4.20.1,

- (i) it would retain sufficient shielding to ensure that the radiation level at 1 m from the surface of the package would not exceed 10 mSv/h with the maximum radioactive contents which the package is designed to contain; and
- (ii) it would restrict the accumulated loss of radioactive contents in a period of 1 week to not more than 10 A<sub>2</sub> for krypton-85 and not more than A<sub>2</sub> for all other radionuclides."

The text of last paragraph remains unchanged.

## 6.4.11 Provisions for packages containing fissile material

6.4.11.1 In (a), insert "routine," before "normal".

6.4.11.1 Amend (b)(i) to read as follows: "of 6.4.7.2 except for unpackaged material when specifically allowed by 2.7.2.3.5.5;".

6.4.11.1 In (b)(ii) delete "and" at the end.

6.4.11.1 Amend (b)(iii) to read as follows: "of 6.4.7.3 unless the material is excepted by 2.7.2.3.5;".

6.4.11.1 Insert a new (b) (iv) to read as follows:

"(iv) of 6.4.11.4 to 6.4.11.14, unless the material is excepted by 2.7.2.3.5, 6.4.11.2 or 6.4.11.3."

- 6.4.11.2 Amend to read as follows:
  - "6.4.11.2 Packages containing fissile material that meet the provisions of subparagraph (d) and one of the provisions of (a) to (c) below are excepted from the requirements of 6.4.11.4 to 6.4.11.14.
    - (a) Packages containing fissile material in any form provided that:
      - (i) The smallest external dimension of the package is not less than 10 cm;
      - (ii) The criticality safety index of the package is calculated using the following formula:

$$CSI = 50 \times 5 \times \left(\frac{Mass \text{ of } U - 235 \text{ in package } (g)}{Z} + \frac{Mass \text{ of other fissile nuclides * in package } (g)}{280}\right)$$

\* Plutonium may be of any isotopic composition provided that the amount of Pu-241 is less than that of Pu-240 in the package

where the values of Z are taken from table 6.4.11.2.

- (iii) The CSI of any package does not exceed 10;
- (b) Packages containing fissile material in any form provided that:

- (i) The smallest external dimension of the package is not less than 30 cm;
- (ii) The package, after being subjected to the tests specified in 6.4.15.1 to 6.4.15.6;
  - Retains its fissile material contents;
  - Preserves the minimum overall outside dimensions of the package to at least 30 cm;
  - Prevents the entry of a 10 cm cube.
- (iii) The criticality safety index of the package is calculated using the following formula:

 $CSI = 50 \times 2 \times \left(\frac{Mass \text{ of } U - 235 \text{ in package } (g)}{Z} + \frac{Mass \text{ of other fissile nuclides * in package } (g)}{280}\right)$ 

\* Plutonium may be of any isotopic composition provided that the amount of Pu-241 is less than that of Pu-240 in the package.

where the values of Z are taken from table 6.4.11.2.

- (iv) The criticality safety index of any package does not exceed 10;
- (c) Packages containing fissile material in any form provided that:
  - (i) The smallest external dimension of the package is not less than 10 cm;
  - (ii) The package, after being subjected to the tests specified in 6.4.15.1 to 6.4.15.6;
    - Retains its fissile material contents;
    - Preserves the minimum overall outside dimensions of the package to at least 10 cm;
    - Prevents the entry of a 10 cm cube.
  - (iii) The CSI of the package is calculated using the following formula:

$$CSI = 50 \times 2 \times \left(\frac{Mass \text{ of } U - 235 \text{ in package } (g)}{450} + \frac{Mass \text{ of other fissile nuclides * in package } (g)}{280}\right)$$

- \* Plutonium may be of any isotopic composition provided that the amount of Pu-241 is less than that of Pu-240 in the package.
  - (iv) The maximum mass of fissile nuclides in any package does not exceed 15 g;

(d) The total mass of beryllium, hydrogenous material enriched in deuterium, graphite and other allotropic forms of carbon in an individual package shall not be greater than the mass of fissile nuclides in the package except where their total concentration does not exceed 1 g in any 1,000 g of material. Beryllium incorporated in copper alloys up to 4% in weight of the alloy does not need to be considered."

Table 6.4.11.2 Insert a new table 6.4.11.2 to read as follows:

"Table 6.4.11.2 Values of Z for calculation of criticality safety index in accordance with 6.4.11.2

Enrichement <sup>a</sup>	Ζ
Uranium enriched up to 1.5%	2200
Uranium enriched up to 5%	850
Uranium enriched up to 10%	660
Uranium enriched up to 20%	580
Uranium enriched up to 100%	450

<sup>a</sup> If a package contains uranium with varying enrichments of U-235, then the value corresponding to the highest enrichment shall be used for *Z*.

6.4.11.3 Insert a new paragraph 6.4.11.3 to read as follows:

"6.4.11.3 Packages containing not more than 1 000 g of plutonium are excepted from the application of 6.4.11.4 to 6.4.11.14 provided that:

(a) Not more than 20% of the plutonium by mass is fissile nuclides;

...

(b) The criticality safety index of the package is calculated using the following formula:

$$CSI = 50 \times 2 \times \frac{\text{mass of plutonium}(g)}{1000}$$

(c) If uranium is present with the plutonium, the mass of uranium shall be no more than 1% of the mass of the plutonium."

Current paragraphs 6.4.11.3 to 6.4.11.13 become new paragraphs 6.4.11.4 to 6.4.11.14.

6.4.11.4 (former 6.4.11.3) Replace "6.4.11.7 to 6.4.11.12" with "6.4.11.8 to 6.4.11.13".

6.4.11.5 (former 6.4.11.4) Replace "6.4.11.7 to 6.4.11.12" with "6.4.11.8 to 6.4.11.13" and insert "either" at the end of the introductory sentence.

6.4.11.8 (former 6.4.11.7), in the last sentence of the introductory paragraph, insert "either of" before "the following:" and in subparagraph (a) and (b) (i), replace "6.4.11.12 (b)" with "6.4.11.13 (b)".

6.4.11.9 (former 6.4.11.8), in the last sentence replace "6.4.11.12 (b)" with "6.4.11.13 (b)" and "6.4.11.9 (c)" with "6.4.11.10 (c)".

6.4.11.10 (former 6.4.11.9) In the introductory sentence replace "6.4.11.7 and 6.4.11.8" with "6.4.11.8 and 6.4.11.9".

6.4.11.10 (former 6.4.11.9) In subparagraph (b), replace "6.4.11.11 (b)" with "6.4.11.12 (b)". In (c), replace "6.4.11.12 (b)" with "6.4.11.13 (b)".

6.4.11.11 (former 6.4.11.10) In subparagraph (b), replace "6.4.11.9" with "6.4.11.10" and "6.4.11.7" with "6.4.11.8".

6.4.11.13 (former 6.4.11.12) In subparagraph (c), replace "6.4.11.12 (b)" with "6.4.11.13(b)".

6.4.11.14 (former 6.4.11.13) Replace "6.4.11.11 and 6.4.11.12" with "6.4.11.12 and 6.4.11.13".

# 6.4.13 Testing the integrity of the containment system and shielding and evaluating criticality safety

6.4.13 In subparagraph (c) replace "6.4.11.13" with "6.4.11.14".

## 6.4.15 Test for demonstrating ability to withstand normal conditions of transport

6.4.15.5 In subparagraph (a), amend the beginning to read: "The equivalent of 5 times ...".

#### 6.4.17 Tests for demonstrating ability to withstand accident conditions of transport

6.4.17.2 In the introductory paragraph, replace "6.4.11.12" with "6.4.11.13".

6.4.17.2 In subparagraph (b), move the phrase "so as to suffer maximum damage" to the end of the sentence after "on the target".

6.4.17.2 In subparagraph (c), insert the following new third sentence: "The lower face of the steel plate shall have its edges and corners rounded off to a radius of not more than 6 mm."

#### 6.4.19 Water leakage test for packages containing fissile material

6.4.19.1 Replace "6.4.11.7 to 6.4.11.12" with "6.4.11.8 to 6.4.11.13".

6.4.19.2 Replace "6.4.11.12" with "6.4.11.13".

#### 6.4.20 Tests for Type C packages

6.4.20.2 In the first sentence, insert "vertical" before "solid". In the second sentence replace "the probe to the surface of the specimen shall be as to cause" with "the package specimen and the impact point on the package surface shall be such as to cause".

# 6.4.22 Approvals of package designs and materials

- 6.4.22.4 Amend to read as follows:
  - "6.4.22.4 Each package design for fissile material which is not excepted by any of the paragraphs 2.7.2.3.5.1 to 2.7.2.3.5.6, 6.4.11.2 and 6.4.11.3 shall require multilateral approval."
- 6.4.22.6 Insert a new paragraph 6.4.22.6 to read as follows:
  - "6.4.22.6 The design for a fissile material excepted from "FISSILE" classification in accordance with 2.7.2.3.5.6 shall require multilateral approval.
- 6.4.22.7 Insert a new paragraph to read as follows:
  - "6.4.22.7 Alternative activity limits for an exempt consignment of instruments or articles in accordance with 2.7.2.2.2.2 shall require multilateral approval."

## 6.4.23 Applications for approval and approvals for radioactive material transport

6.4.23.2 In the introductory sentence replace "shipment approval" with "approval of shipment".

In subparagraph .3, amend the end of the paragraph to read as follows:

"... referred to in the certificate of approval for the package design, if applicable, issued under 5.1.5.2.1.1.3, 5.1.5.2.1.1.6 or 5.1.5.2.1.1.7, are to be put into effect.".

6.4.23.4 In (f), insert "nuclear" after "irradiated" and replace "6.4.11.4 (b)" with "6.4.11.5 (b)". In (i), replace "quality assurance programme" with "management system" and "1.1.2.3.1" with "1.5.3.1".

6.4.23.5 In the introductory sentence, delete "for package approval".

in subparagraph (a), replace "6.4.8.4, 6.4.8.5, 6.4.8.6" with "6.4.8.4 to 6.4.8.6".

and in subparagraph (d), amend the beginning of the sentence to read: "a statement of the range".

6.4.23.6 Replace "quality assurance programme" with "management system".

6.4.23.7 Replace "quality assurance programme" with "management system".

6.4.23.8 In subparagraph (d) replace "quality assurance programme" with "management system".

- 6.4.23.9 Insert a new paragraph to read as follows:
  - "6.4.23.9 An application for approval of design for fissile material excepted from "FISSILE" classification in accordance with table 2.7.2.1.1, under 2.7.2.3.5.6 shall include:
    - (a) A detailed description of the material; particular reference shall be made to both physical and chemical states;

- (b) A statement of the tests that have been carried out and their results, or evidence based on calculation methods to show that the material is capable of meeting the requirements specified in 2.7.2.3.6;
- (c) A specification of the applicable management system as required in 1.5.3.1;
- (d) A statement of specific actions to be taken prior to shipment."
- 6.4.23.10 Insert a new paragraph to read as follows:
  - "6.4.23.10 An application for approval of alternative activity limits for an exempt consignment of instruments or articles shall include:
    - (a) An identification and detailed description of the instrument or article, its intended uses and the radionuclide(s) incorporated;
    - (b) The maximum activity of the radionuclide(s) in the instrument or article;
    - (c) Maximum external radiation levels arising from the instrument or article;
    - (d) The chemical and physical forms of the radionuclide(s) contained in the instrument or article;
    - (e) Details of the construction and design of the instrument or article, particularly as related to the containment and shielding of the radionuclide in routine, normal and accident conditions of transport;
    - (f) The applicable management system, including the quality testing and verification procedures to be applied to radioactive sources, components and finished products to ensure that the maximum specified activity of radioactive material or the maximum radiation levels specified for the instrument or article are not exceeded, and that the instruments or articles are constructed according to the design specifications;
    - (g) The maximum number of instruments or articles expected to be shipped per consignment and annually;
    - (h) Dose assessments in accordance with the principles and methodologies set out in the International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources, Safety Series No.115, IAEA, Vienna (1996), including individual doses to transport workers and members of the public and, if appropriate, collective doses arising from routine, normal and accident conditions of transport, based on representative transport scenarios the consignments are subject to."

Current paragraphs 6.4.23.9 to 6.4.23.11 become new paragraphs 6.4.23.11 to 6.4.23.13.

6.4.23.11 (former 6.4.23.9), in the introductory sentence, replace "approval certificate" with "certificate of approval".

6.4.23.11 (former 6.4.23.9) (a), replace "6.4.23.10 (b)" with "6.4.23.12 (b).

6.4.23.11 (former 6.4.23.9) (b) Insert "or alternative activity limit for exempt consignment" at the end of the first sentence. Amend the second sentence to read: "The identification mark of the approval of shipment shall be clearly related to the identification mark of the approval of design."

6.4.23.11 (former 6.4.23.9) (c) In the introductory sentence, replace "types of approval certificates" with "types of certificate of approval". Insert the following line between those corresponding to LD and T: "FE Fissile material complying with the requirements of 2.7.2.3.6". Add the following line at the end of the list: "AL Alternative activity limits for an exempt consignment of instruments or articles".

6.4.23.11 (former 6.4.23.9) (d) Insert "certificates of approval of" before "package design", delete (twice) "approval certificates" after "radioactive material", and replace "6.4.24.2 to 6.4.24.4" with "6.4.24.2 to 6.4.24.5".

6.4.23.12 (former 6.4.23.10) In the introductory sentence replace "type codes" with "identification marks".

6.4.23.12 (former 6.4.23.10) (a) Replace "6.4.23.9 (a), (b), (c) and (d)" with "6.4.23.11 (a), (b), (c) and (d)"; "design approval" with "approval of design", and "shipment approval" with "the approval of shipment".

6.4.23.12 (former 6.4.23.10) (a) For A/132/B(M)F-96, replace "package design approval certificate" with "certificate of approval for the package design".

6.4.23.12 (former 6.4.23.10) (a) For A/132/B(M)F-96T, replace "shipment approval" with "approval of shipment".

6.4.23.12 (former 6.4.23.10) (a) For A/137/X, replace "a special arrangement approval" with "an approval of special arrangement".

6.4.23.12 (former 6.4.23.10) (a) For A/139/IF-96 and A/145/H(U)-96, replace "package design approval certificate" with "certificate of approval for the package design".

6.4.23.12 (former 6.4.23.10) (b) Replace "according to 6.4.23.16" with "in accordance with 6.4.23.20".

6.4.23.12 (former 6.4.23.10) (c) Replace (twice) "package design approval certificate" with "certificate of approval for the package design"; and "approval certificate" with "certificate of approval" in the last sentence.

6.4.23.13 (former 6.4.23.11) In the introductory sentence replace "approval certificate" with "certificate of approval" and in (i) replace "quality assurance programme" with "management system".

- 6.4.23.14 Insert a new paragraph to read as follows:
  - "6.4.23.14 Each certificate of approval issued by a competent authority for material excepted from classification as "FISSILE" shall include the following information:
    - (a) Type of certificate;
    - (b) The competent authority identification mark;
    - (c) The issue date and an expiry date;
    - List of applicable national and international regulations, including the edition of the IAEA Regulations for the Safe Transport of Radioactive Material under which the exception is approved;
    - (e) A description of the excepted material;
    - (f) Limiting specifications for the excepted material;
    - (g) A specification of the applicable management system as required in 1.5.3.1;
    - (h) Reference to information provided by the applicant relating to specific actions to be taken prior to shipment;
    - (i) If deemed appropriate by the competent authority, reference to the identity of the applicant;
    - (j) Signature and identification of the certifying official;
    - (k) Reference to documentation that demonstrates compliance with 2.7.2.3.6."

Current paragraphs 6.4.23.12 to 6.4.23.14 become new paragraphs 6.4.23.15 to 6.4.23.17.

6.4.23.15 (former 6.4.23.12), in the introductory sentence replace "approval certificate" with "certificate of approval".

6.4.23.15 (former 6.4.23.12) (j), replace "amounts" with "mass" and amend the end of the paragraph to read as follows: "... special form radioactive material, low dispersible radioactive material or fissile material excepted under 2.7.2.3.5.6 if applicable;".

6.4.23.15 (former 6.4.23.12) (k)(v), replace "6.4.11.4 (b)" with "6.4.11.5(b)".

6.4.23.15 (former 6.4.23.12) (r), replace "quality assurance programme" with "management system".

6.4.23.16 (former 6.4.23.13), in the introductory sentence, replace "approval certificate" with "certificate of approval".

6.4.23.16 (former 6.4.23.13) (i), replace "design approval certificate(s)" with "certificate(s) of approval of design".

6.4.23.16 (former 6.4.23.13) (g), replace "amounts" with "mass" and amend the end of the paragraph to read as follows: "...special form radioactive material, low dispersible radioactive material or fissile material excepted under 2.7.2.3.5.6 if applicable;".

6.4.23.16 (former 6.4.23.13) (I), replace "quality assurance programme" with "management system".

6.4.23.17 (former 6.4.23.14), in the introductory sentence, replace "approval certificate" with "certificate of approval".

6.4.23.17 (former 6.4.23.14) (h), replace "shipment approval" with "approval of shipment".

6.4.23.17 (former 6.4.23.14) (I), amend the end of the second sentence to read as follows: "... mass in grams (for fissile material the total mass of fissile nuclides or the mass for each fissile nuclide, when appropriate) and whether special form radioactive material, low dispersible radioactive material or fissile material excepted under 2.7.2.3.5.6, if applicable;".

6.4.23.17 (former 6.4.23.14) (n), amend the introductory sentence to read as follows: "For package designs containing fissile material which require multilateral approval of the package design in accordance with 6.4.22.4:".

6.4.23.17 (former 6.4.23.14) (n)(vi), replace "6.4.11.4 (b)" with "6.4.11.5 (b)".

6.4.23.17 (former 6.4.23.14) (t), replace "quality assurance programme" with "management system".

- 6.4.23.18 Insert a new paragraph 6.4.23.18 to read as follows:
  - "6.4.23.18 Each certificate issued by a competent authority for alternative activity limits for an exempt consignment of instruments or articles according to 5.1.5.2.1.4 shall include the following information:
    - (a) Type of certificate;
    - (b) The competent authority identification mark;
    - (c) The issue date and an expiry date;
    - List of applicable national and international regulations, including the edition of the IAEA Regulations for the Safe Transport of Radioactive Material under which the exemption is approved;
    - (e) The identification of the instrument or article;
    - (f) A description of the instrument or article;
    - (g) Design specifications for the instrument or article;
    - A specification of the radionuclide(s), the approved alternative activity limit(s) for the exempt consignment(s) of the instrument(s) or article(s);

- (i) Reference to documentation that demonstrates compliance with 2.7.2.2.2;
- (j) If deemed appropriate by the competent authority, reference to the identity of the applicant;
- (k) Signature and identification of the certifying official."

Current paragraphs 6.4.23.15 and 6.4.23.16 become 6.4.23.19 and 6.4.23.20 respectively.

#### 6.4.24 Transitional measures for class 7

6.4.24.1 Amend to read as follows:

"Packages not requiring competent authority approval of design (excepted packages, Type IP-1, Type IP-2, Type IP-3 and Type A packages) shall meet these Regulations in full, except that packages that 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):

- (a) May continue in transport provided that they were prepared for transport prior to 31 December 2003, and subject to the requirements of 6.4.24.4, if applicable;
- (b) May continue to be used provided that:
  - (i) They were not designed to contain uranium hexafluoride;
  - (ii) The applicable requirements of 1.5.3.1 of this Code are applied;
  - (iii) The activity limits and classification in Chapter 2.7 of these Regulations are applied;
  - (iv) The requirements and controls for transport in Parts 1, 3, 4, 5 and 7 of this Code are applied;
  - (v) The packaging was not manufactured or modified after 31 December 2003."
- 6.4.24.2 Amend to read as follows:
  - "6.4.24.2 Packages requiring competent authority approval of the design shall meet the provisions of this Code in full unless the following conditions are met:
    - (a) The packagings were manufactured to a package design approved by the competent authority under the provisions of the 1973 or 1973 (as amended) or the 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No.6);
    - (b) The package design is subject to multilateral approval;
    - (c) The applicable requirements of 1.5.3.1 of this Code are applied;

- (d) The activity limits and classification in Chapter 2.7 of this Code are applied;
- (e) The requirements and controls for transport in in Parts 1, 3, 4, 5 and 7 of this Code are applied;
- (f) For a package containing fissile material and transported by air, the requirement of 6.4.11.11 is met;
- (g) For packages that meet the requirements of the 1973 or 1973 (as amended) Editions of IAEA Safety Series No. 6:
  - (i) The packages retain sufficient shielding to ensure that the radiation level at 1 m from the surface of the package would not exceed 10 mSv/h in the accident conditions of transport defined in the 1973 Revised or 1973 Revised (as amended) Editions of IAEA Safety Series No.6 with the maximum radioactive contents which the package is authorized to contain;
  - (ii) The packages do not utilize continuous venting;
  - (iii) A serial number in accordance with the provision of 5.2.1.5.5 is assigned to and marked on the outside of each packaging."
- 6.4.24.3 Amend to read as follows:

"No new manufacture of packagings to a package design meeting the provisions of the 1973, 1973 (as amended), 1985, and 1985 (as amended 1990) Editions of IAEA Safety Series No.6 shall be permitted to commence."

- 6.4.24.4 Insert a new paragraph to read as follows:
  - "6.4.24.4 Packages excepted from the requirements for fissile materials under the Regulations annexed to the 16th revised edition or the seventeenth revised edition of the United Nations Recommendations on the Transport of Dangerous Goods (2009 Edition of IAEA Safety Standard Series No.TS-R-1)
  - 6.4.24.4 Packages containing fissile material that is excepted from classification as "FISSILE" according to 2.7.2.3.5.1 (i) or (iii) of the IMDG Code amendment 35-10) or amendment 36-12, (paragraphs 417 (a) (i) or (iii) of the 2009 Edition of IAEA Regulations for the Safe Transport of Radioactive Material) prepared for transport before 31 December 2014 may continue in transport and may continue to be classified as non-fissile or fissile-excepted except that the consignment limits in table 2.7.2.3.5 of these editions shall apply to the conveyance. The consignment shall be transported under exclusive use."

and current paragraph 6.4.24.4 becomes new 6.4.24.5.

6.4.24.5 (former 6.4.24.4) In the first sentence, replace "programme of quality assurance" with "management system". Replace the last sentence with the following: "No new manufacture of such special form radioactive material shall be permitted to commence."

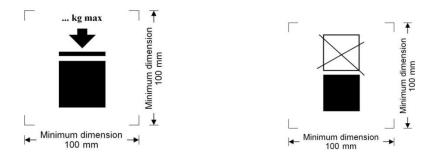
# Chapter 6.5 – Provisions for the construction and testing of intermediate bulk containers (IBCs)

# 6.5.2 Marking

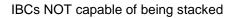
## 6.5.2.2 Additional marking

Amend 6.5.2.2.2 to read as follows:

"6.5.2.2.2 The maximum permitted stacking load applicable when the IBC is in use shall be displayed on a symbol as shown in the figures below. The symbol shall be durable and clearly visible.



IBCs capable of being stacked



The minimum dimensions shall be 100 mm x 100 mm. The letters and numbers indicating the mass shall be at least 12 mm high. The area within the printer's marks indicated by the dimensional arrows shall be square. Where dimensions are not specified, all features shall be in approximate proportion to those shown. The mass marked above the symbol shall not exceed the load imposed during the design type test (see 6.5.6.6.4) divided by 1.8.

**NOTE:** The provisions of 6.5.2.2.2 shall apply to all IBCs manufactured, repaired or remanufactured as from 1 January 2011. The provisions of 6.5.2.2.2 of the IMDG Code (Amendment 36-12) may continue to be applied to all IBCs manufactured, repaired or remanufactured between 1 January 2011 and 31 December 2016."

6.5.2.2.4 After "The date of the manufacture of the plastics inner receptacle may alternatively be marked on the inner receptacle adjacent to the remainder of the marking." add the following new sentence: "In such a case, the two digits of the year in the primary marking and in the inner circle of the clock shall be identical.". At the end, add a new "Note" to read as follows:

"**Note**: Other methods that provide the minimum required information in a durable, visible and legible form are also acceptable."

# Chapter 6.6 – Provisions for the construction and testing of large packagings

## 6.6.2 Code for designating types of large packagings

6.6.2.2 At the beginning, replace "The letter "W"" with "The letters "T" or "W"" and insert a new second sentence to read as follows: "The letter "T" signifies a large salvage packaging conforming to the requirements of 6.6.5.1.9."

## 6.6.3 Marking

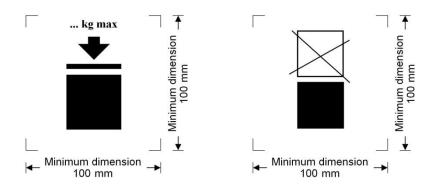
6.6.3.2 Insert a new second example to read as follows:

" (u) 50AT/Y/05/01/B/PQRS 2500/1000

For a large steel salvage packaging suitable for stacking; stacking load: 2 500 kg; maximum gross mass: 1,000 kg."

Amend 6.6.3.3 to read as follows:

"6.6.3.3 The maximum permitted stacking load applicable when the large packaging is in use shall be displayed on a symbol as shown in the figures below. The symbol shall be durable and clearly visible.



Large packagings capable of being stacked

Large packagings NOT capable of being stacked

The minimum dimensions shall be 100 mm x 100 mm. The letters and numbers indicating the mass shall be at least 12 mm high. The area within the printer's marks indicated by the dimensional arrows shall be square. Where dimensions are not specified, all features shall be in approximate proportion to those shown. The mass marked above the symbol shall not exceed the load imposed during the design type test (see 6.6.5.3.3.4) divided by 1.8.

"**NOTE:** The provisions of 6.6.3.3 shall apply to all large packagings manufactured, repaired or remanufactured as from 1 January 2015. The provisions of 6.6.3.3 of the IMDG Code (Amendment 36-12) may continue to be applied to all IBCs manufactured, repaired or remanufactured between 1 January 2015 and 31 December 2016."

# 6.6.5 Test provisions for large packagings

## 6.6.5.1 Performance and frequency of test

6.6.5.1.9 Insert the following new paragraph to read as follows:

#### "6.6.5.1.9 Large salvage packagings

Large salvage packagings shall be tested and marked in accordance with the provisions applicable to packing group II large packagings intended for the transport of solids or inner packagings, except as follows:

- (a) The test substance used in performing the tests shall be water, and the large salvage packagings shall be filled to not less than 98% of their maximum capacity. It is permissible to use additives, such as bags of lead shot, to achieve the requisite total package mass so long as they are placed so that the test results are not affected. Alternatively, in performing the drop test, the drop height may be varied in accordance with 6.6.5.3.4.4.2 (b);
- (b) Large salvage packagings shall, in addition, have been successfully subjected to the leakproofness test at 30 kPa, with the results of this test reflected in the test report required by 6.6.5.4; and
- (c) Large salvage packagings shall be marked with the letter "T" as described in 6.6.2.2."

# Chapter 6.7 – Provisions for the design, construction, inspection and testing of portable tanks and multiple-element gas containers (ME GCs)

6.7.2 Provisions for the design, construction, inspection and testing of portable tanks intended for the transport of substances of class 1 and classes 3 to 9

6.7.2.20.2, 6.7.3.16.2 and 6.7.5.13.2 Replace "shall be marked" with "shall be durably marked".

6.7.5 Provisions for the design, construction, inspection and testing of multiple-element gas containers (MEGCs) intended for the transport of non-refrigerated gases

6.7.5.2.4.1 Replace "ISO 11114-1:1997" with "ISO 11114-1:2012".

# Chapter 6.9 - Provisions for the design, construction, inspection and testing of bulk containers

6.9.4.6 Delete the footnote "\*" assigned to BK, and insert the following note at the end:

**Note:** "(x)" shall be replaced with "1" or "2", as appropriate.

# PART 7 PROVISIONS CONCERNING TRANSPORT OPERATIONS

## Chapter 7.1 – General stowage provisions

#### 7.1.3 Stowage categories

- 7.1.3.1 Stowage categories for class 1
- 7.1.3.1 In the paragraph replace the words "column 16" with "16a".
- 7.1.3.2 Stowage categories for classes 2 to 9
- 7.1.3.2 In the paragraph replace the words "column 16" with "16a".
- 7.1.4 Special stowage provisions
- 7.1.4.1 Stowage of empty uncleaned packagings, including IBCs and large packagings
- 7.1.4.1 In the paragraph replace the words "column 16" with "16a"

# 7.1.4.5 Stowage of goods of class 7

- 7.1.4.5.2 Replace "approval certificate" with "certificate of approval".
- 7.1.4.5.3.1 In the table amend the two first rows under the heading to read as follows:

Freight container	
Small freight container	50
Large freight container	50

and in the note "a" to the table, replace "7.1.4.5.6" with "7.1.4.5.5".

7.1.4.5.3.4 In the table amend the two first rows under the heading to read as follows:

Freight container		
Small freight container	50	n.a
Large freight container	50	100

Amend the end of note "b" to the table to read as follows: "... and stowed so as to maintain a spacing of at least 6 m from other groups."

and amend the end of the first sentence of note "c" to the table to read as follows: "... and stowed so as to maintain a spacing of at least 6 m from other groups."

7.1.4.5.10 Amend the end of the paragraph to read as follows:

"... and shall not be re-used unless the following conditions are fulfilled:

.1 the non-fixed contamination shall not exceed the limits specified in 4.1.9.1.2;

.2 the radiation level resulting from the fixed contamination shall not exceed 5  $\mu Sv/h$  at the surface."

7.1.4.5.13.2 Delete " to the critical group".

## 7.1.5 Stowage Codes

7.1.5 Insert a new 7.1.5 with the following:

# "7.1.5 Stowage Codes

The stowage codes given in column 16a of the dangerous goods list are as specified below:

Stowage Code	Description
SW1	Protected from sources of heat.
SW2	Clear of living quarters.
SW3	Shall be transported under temperature control.
SW4	Surface ventilation is required to assist in removing any residual solvent vapour.
SW5	If under deck, stow in a mechanically ventilated space.
SW6	When stowed under-deck, mechanical ventilation shall be in accordance with SOLAS regulation II-2/19 (II-2/54) for flammable liquids with flashpoint below 23°C c.c.
SW7	As approved by the competent authorities of the countries involved in the shipment
SW8	Ventilation may be required. The possible need to open hatches in case of fire to provide maximum ventilation and to apply water in an emergency, and the consequent risk to the stability of the ship through flooding of the cargo spaces, shall be considered before loading.
SW9	Provide a good through ventilation for bagged cargo. Double strip stowage is recommended. The illustration in 7.6.2.7.2.3 shows how this can be achieved. During the voyage regular temperature readings shall be taken at varying depths in the hold and recorded. If the temperature of the cargo exceeds the ambient temperature and continues to increase, ventilation shall be closed down.

Stowage Code	Description
SW10	Unless carried in closed cargo transport units, bales shall be properly covered by tarpaulins or the like. Cargo spaces shall be clean, dry and free from oil or grease. Ventilator cowls leading into the cargo space shall have sparking-preventing screens. All other openings, entrances and hatches leading to the cargo space shall be securely closed. During temporary interruption of loading, when the hatch remains uncovered, a fire-watch shall be kept. During loading or discharge, smoking in the vicinity shall be prohibited and fire-fighting appliances kept ready for immediate operation.
SW11	Cargo transport units shall be shaded from direct sunlight. Packages in cargo transport units shall be stowed so as to allow for adequate air circulation throughout the cargo.
SW12	taking account of any supplementary requirements specified in the transport documents.
SW13	taking account of any supplementary requirements specified in the competent authority approval certificate(s).
SW14	Category A only if the special stowage provisions of 7.4.1.4 and 7.6.2.8.4 are complied with
SW15	For metal drums, stowage category B.
SW16	For unit loads in open cargo transport units, stowage category B.
SW17	Category E, for closed cargo transport unit and pallet boxes only. Ventilation may be required. The possible need to open hatches in case of fire to provide maximum ventilation and to apply water in an emergency, and the consequent risk to the stability of the ship through flooding of the cargo space, shall be considered before loading.
SW18	Category A, when transported in accordance with P650.
SW19	For batteries transported in accordance with SP 376 or SP 377 Category C, unless transported on a short international voyage.
SW20	For uranyl nitrate hexahydrate solution stowage category D applies.
SW21	For uranium metal pyrophoric and thorium metal pyrophoric stowage category D applies.
SW22	For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
SW23	When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
SW24	For special stowage provisions see 7.4.1.3 and 7.6.2.7.2.

Stowage Code	Description	
SW25	For special stowage provisions see 7.6.2.7.3.	
SW26	For special stowage provisions see 7.4.1.4 and 7.6.2.11.1.1.	
SW27	For special stowage provisions see 7.6.2.7.2.1.	
SW28	As approved by the competent authority of the country of origin.	"

# 7.1.6 Handling Codes

7.1.6 Insert a new 7.1.6 with the following:

## "7.1.6 Handling Codes

The handling codes given in column 16a of the dangerous goods list are as specified below:

Handling Codes	Description
H1	Keep as dry as reasonably practicable
H2	Keep as cool as reasonably practicable
H3	During transport, it should be stowed (or kept) in a cool ventilated place
H4	If cleaning of cargo spaces has to be carried out at sea, the safety procedures followed and standard of equipment used shall be at least as effective as those employed as industry best practice in a port. Until such cleaning is undertaken, the cargo spaces in which the asbestos has been carried shall be closed and access to those spaces shall be prohibited.

# Chapter 7.2 – General segregation provisions

#### 7.2.3 Segregation provisions

- 7.2.3.1 In the paragraph, replace twice the words "column 16" with "column 16b".
- 7.2.3.4 In the paragraph, replace the words "column 16" with "column 16b".

## 7.2.4 Segregation table

in the row "Flammable gases 2.1" versus column of class 4.3 replace "X" with "2".

in the row "Flammable liquid 3" versus column of class 4.3 replace "1" with "2".

in the row "Substances which, in contact with water, emit flammable gases 4.3" versus column 2.1 replace "X" with "2".

in the row "Substances which, in contact with water, emit flammable gases 4.3" versus column 3 replace "1" with "2".

# 7.2.5 Segregation groups

7.2.3.1 In the paragraph, replace the words "column 16 (stowage and segregation)" with "column 16b"

## 7.2.6 Special segregation provisions and exemptions

7.2.6.4 In the paragraph, replace the words "column 16" with "column 16b". and in "examples" replace "column 16" with "column 16b".

## 7.2.8 Segregation Codes

7.2.8 Insert a new 7.2.8 with the following:

## "7.2.8 Segregation Codes

The segregation codes given in column 16b of the dangerous goods list are as specified below:

Segregation Codes	Description
SG1	For packages carrying a subsidiary risk of class 1, segregation as for class 1, division 1.3.
SG2	Segregation as for class 1.2G
SG3	Segregation as for Class 1.3G
SG4	Segregation as for class 2.1
SG5	Segregation as for class 3
SG6	Segregation as for class 5.1
SG7	Stow "away from" class 3
SG8	Stow "away from" class 4.1
SG9	Stow "away from" class 4.3
SG10	Stow "away from" class 5.1
SG11	Stow "away from" class 6.2
SG12	Stow "away from" class 7
SG13	Stow "away from" class 8

Segregation Codes	Description
SG14	Stow "separated from" class 1 except for division 1.4S
SG15	Stow "separated from" class 3
SG16	Stow "separated from" class 4.1
SG17	Stow "separated from" class 5.1
SG18	Stow "separated from" class 6.2
SG19	Stow "separated from" class 7
SG20	Stow "away from" acids
SG21	Stow "away from" alkalis
SG22	Stow "away from" ammonium salts
SG23	Stow "away from" animal or vegetable oils
SG24	Stow "away from" azides
SG25	Stow "separated from" goods of classes 2.1 and 3.
SG26	In addition: from goods of classes 2.1 and 3 when stowed on deck of a containership a minimum distance of two container spaces athwartship shall be maintained, when stowed on ro-ro ships a distance of 6 m athwartship shall be maintained.
SG27	Stow "away from" explosives containing chlorates or perchlorates
SG28	Stow "away from" ammonium compounds and explosives containing ammonium compounds or salts
SG29	Segregation from foodstuffs as in 7.3.4.2.2, 7.6.3.1.2 or 7.7.3.7.
SG30	Stow "away from" heavy metals and their salts
SG31	Stow "away from" lead and its compounds
SG32	Stow "away from" liquid halogenated hydrocarbons
SG33	Stow "away from" powdered metals
SG34	When containing ammonium compounds, "away from" chlorates or perchlorates and explosives containing chlorates or perchlorates.
SG35	Stow "separated from" acids.

Segregation Codes	Description
SG36	Stow "separated from" alkalis.
SG37	Stow "separated from" ammonia.
SG38	Stow "separated from" ammonium compounds.
SG39	Stow "separated from" ammonium compounds other than AMMONIUM PERSULPHATE (UN 1444).
SG40	Stow "separated from" ammonium compounds other than mixtures of ammonium persulphates and/or potassium persulphates and/or sodium persulphates.
SG41	Stow "separated from" animal or vegetable oil.
SG42	Stow "separated from" bromates.
SG43	Stow "separated from" bromine.
SG44	Stow "separated from" CARBON TETRACHLORIDE (UN 1846).
SG45	Stow "separated from" chlorates.
SG46	Stow "separated from" chlorine.
SG47	Stow "separated from" chlorites.
SG48	Stow "separated from" combustible material (particularly liquids). Combustible material does not include packing materials or dunnage.
SG49	Stow "separated from" cyanides
SG50	Segregation from foodstuffs as in 7.3.4.2.1, 7.6.3.1.2 or 7.7.3.6.
SG51	Stow "separated from" hypochlorites
SG52	Stow "separated from" iron oxide
SG53	Stow "separated from" liquid organic substances
SG54	Stow "separated from" mercury and mercury compounds
SG55	Stow "separated from" mercury salts
SG56	Stow "separated from" nitrites
SG57	Stow "separated from" odour-absorbing cargoes

Segregation Codes	Description
SG58	Stow "separated from" perchlorates
SG59	Stow "separated from" permanganates
SG60	Stow "separated from" peroxides
SG61	Stow "separated from" powdered metals
SG62	Stow "separated from" sulphur
SG63	Stow "separated longitudinally by an intervening complete compartment or hold from" Class 1.
SG64	Reserved
SG65	Stow "separated by a complete compartment or hold from" class 1 except for division 1.4.
SG66	Reserved
SG67	Stow "separated from" division 1.4 and "separated longitudinally by an intervening complete compartment of hold from" divisions 1.1, 1.2, 1.3, 1.5 and 1.6 except from explosives of compatibility group J.
SG68	If flashpoint 60°C c.c. or below, segregation as for class 3, but "away from" class 4.1.
SG69	For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
SG70	For arsenic sulphides, "separated from" acids
SG71	Within the appliance, to the extent that the dangerous goods are integral parts of the complete life-saving appliance, there is no need to apply the provisions on segregation of substances in chapter 7.2.
SG72	See 7.2.6.3.2.
SG73	Reserved
SG 74	Segregation as for 1.4G.
SG 75	Stow "separated from" strong acids.

## Annex Segregation flow chart

In the boxes, replace the words "column 16" with "column 16b",

# Chapter 7.3 – Consigning operations concerning the packing and use of cargo transport units (CTUs) and related provisions

## 7.3.2 General provisions for cargo transport units

7.3.2.2 In the paragraph delete reference to footnote "\* See IMO publication, sales number IB282E"

## 7.3.3 Packing of cargo transport units

- 7.3.3.1 The existing paragraph "7.3.3.1" is renumbered as "7.3.3.2".
- 7.3.3.1 Insert a new "7.3.3.1" with the following:
  - "7.3.3.1 Prior to the use of a cargo transport unit it shall be checked to ensure that it is apparently fit for its intended purpose\*."

and add the corresponding footnote as follows:

\*\* For safety approval plates and maintenance and examination of containers see the International Convention for Safe Containers, 1972, as amended annex I regulations 1 and 2 (see 1.1.2.3)."

7.3.3.2 The existing "7.3.3.2" is renumbered as "7.3.3.3", and at the end, the following new sentence is added:

"Whenever the handling provision "keep as dry as reasonably practicable" (H1) is assigned in column (16a) of the dangerous goods list, the cargo transport unit including any contained goods, securing or packing materials shall be kept as dry as reasonably practicable."

#### 7.3.4.2 Segregation in relation to foodstuffs

7.3.4.2.1 In the paragraph, replace the words "column 16" with "column 16b".

7.3.4.2.2 In subparagraph ".4", replace the words "column 16" with "column 16b".

#### 7.3.7 Cargo transport units under temperature control

#### 7.3.7.2 General provisions

- 7.3.7.2.4 Replace existing paragraph with the following:
  - "7.3.7.2.4 Prior to the use of cargo transport unit, the refrigeration system shall be subjected to a thorough inspection and a test to ensure that all parts are functioning properly.
  - 7.3.7.2.4.1 Refrigerant gas shall only be replaced in accordance with the manufacturer's operating instructions for the refrigeration system. Prior to filling replacement refrigerant gas, a certificate of analysis from the supplier shall be obtained and checked to confirm that the

gas meets refrigeration system specifications. In addition, if concerns about the integrity of the supplier and/or the refrigerant gas supply chain give rise to suspicion to contamination of the gas, the replacement refrigerant gas shall be checked for possible contamination prior to use. If the refrigerant gas is found to be contaminated it shall not be used, the cylinder shall be plainly marked "CONTAMINATED", the cylinder shall be sealed and sent for recycling or disposal and notification shall be given to the refrigerant gas supplier and authorized distributor and competent authority(ies) of the countries to which the supplier and distributor reside, as appropriate. The date of last refrigerant replacement shall be included in the maintenance record of the refrigeration system.

**Note:** Contamination can be checked by using flame halide lamp tests, gas sniffer tube tests or gas chromatography. Replacement refrigerant gas cylinders may be marked with the test result and the date of testing."

## Chapter 7.4 – Stowage and segregation on containerships

## 7.4.2 Stowage requirements

# 7.4.2.4 Ventilation provisions

7.4.2.4.1 In the paragraph, replace the words "column 16" with "column 16a".

## Chapter 7.6 – Stowage and segregation on general cargo ships

7.6.2 Stowage and handling provisions

#### 7.6.2.3 Ventilation provisions

7.6.2.3.1 In the paragraph, replace the words "column 16" with "column 16a".

#### 7.6.3 Segregation provisions

# 7.6.3.1 Segregation from foodstuffs

7.6.3.1.2 In the paragraph, replace the words "column 16" with "column 16b".

#### Chapter 7.7 – Shipborne barges on barge-carrying ships

- 7.7.3 Barge loading
- 7.7.3.6 In the paragraph, replace the words "column 16" with "column 16b".
- 7.7.3.7 In subparagraph ".4", replace the words "column 16" with "column 16b".
- 7.7.4 Stowage of shipborne barges
- 7.7.4.1 In the paragraph, replace the words "column 16" with "column 16a".