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Revised

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DANGEROUS GOODS PANEL (DGP)

TWENTY-FOURTH MEETING

Montréal, 28 October to 8 November 2013

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2015-2016 Edition

DRAFT AMENDMENTS TO THE TECHNICAL INSTRUCTIONS TO ALIGN WITH THE UN RECOMMENDATIONS — PART 3

(Presented by the Secretary)

REVISED

SUMMARY

This working paper contains draft amendments to Part 3 of the Technical Instructions to reflect the decisions taken by the UN Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals at its sixth session (Geneva, 14 December 2012). It also reflects amendments agreed by DGP-WG13 (Montreal, 15 to 19 April 2013).

The DGP is invited to agree to the draft amendments in this working paper.

Part 3

DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND LIMITED AND EXCEPTED QUANTITIES

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Chapter 2

ARRANGEMENT OF THE DANGEROUS GOODS LIST (TABLE 3-1)

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Table 3-1. Dangerous Goods List

See the appendices to this working paper for amendments to Table 3-1 (Appendix A = UN Number order and Appendix B = alphabetical order, proper shipper name)

Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

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UN Model Regulations, Chapter 3.3, SP 66 and 225, ST/SG/AC.10/40/Add.1

A18 (66) ~~Mercurous chloride and cinnabar are~~ is not subject to these Instructions.

A19 (225) Fire extinguishers under this entry may include installed actuating cartridges (cartridges, power device of Division 1.4C or 1.4S), without changing the classification of Division 2.2 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 grams per extinguishing unit.

UN Model Regulations, Chapter 3.3, SP 225, ST/SG/AC.10/40/Add.1
DGP-WG/13-WP/13 (see paragraph 3.2.17.1 f) of this report) and DGP-WG/13-WP/14
(see paragraph 3.2.29.1 a) of this report)

Fire extinguishers must be manufactured, tested, approved and labelled according to the provisions of the State of Manufacture. Fire extinguishers under this entry include:

- a) portable fire extinguishers for manual handling and operation;
- b) fire extinguishers for installation in aircraft;
- c) fire extinguishers mounted on wheels for manual handling;
- d) fire extinguishing equipment or machinery mounted on wheels or wheeled platforms or units transported similar to (small) trailers, and
- e) fire extinguishers composed of a non-rollable pressure drum and equipment, and handled e.g. by fork lift or crane when loaded or unloaded.

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UN Model Regulations, Chapter 3.3, SP 135 and 138, ST/SG/AC.10/40/Add.1

A28 (135) The dihydrated sodium salt of dichloroisocyanuric acid does not meet the criteria for inclusion in Division 5.1 and is not subject to these Instructions unless meeting the criteria for inclusion in another class or division.

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UN Model Regulations, Chapter 3.3, SP 289, ST/SG/AC.10/40/Add.1

≠ A32 ~~Air bag inflators, air bag modules or seat-belt pretensioners~~ 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., which are not capable of inadvertent activation are not subject to these Instructions when carried as cargo. The words "not restricted" and the special provision number A32 must be provided on the air waybill when an air waybill is issued.

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UN Model Regulations, Chapter 3.3, SP 251, ST/SG/AC.10/40/Add.1 (changes do not apply to Instructions)

≠ A44 The entry chemical kit or first-aid kit is intended to apply to boxes, cases, etc., containing small quantities of various dangerous goods which are used, for example, for medical, analytical or testing or repair purposes. Components must not react dangerously (see 4;1.1.8). The packing group assigned to the kit as a whole must be the most stringent packing group assigned to any individual substance in the kit. The assigned packing group must be shown on the dangerous goods transport document. Where the kit contains only dangerous goods to which no packing group is assigned, a packing group must not be indicated on the dangerous goods transport document.

The only dangerous goods which are permitted in the kits are substances which may be transported as:

- a) excepted quantities as specified in column 9 of Table 3-1, provided the inner packagings and quantities are as prescribed in 5.1.2 and 5.2.1 a); or
- b) limited quantities under 3;4.1.2.

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UN Model Regulations, Chapter 3.3, SP 235, ST/SG/AC.10/40/Add.1

A56 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 as lifesaving vehicle (e.g. air bag inflators or, air bag modules or, seat belt pretensioners and pyromechanical devices).

~~The quantities given in columns 11 and 13 of Table 3-1 refer to the net mass of the finished article.~~

Note.— For the carriage of a vehicle, see Packing Instruction 950, 951 and 952.

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 UN Model Regulations, Chapter 3.3, SP 306, ST/SG/AC.10/40/Add.1

- A64 (306) This entry may only be used for substances that do not exhibit explosive properties of are too insensitive for acceptance into Class 1 when tested in accordance with test series 4 and 2 of Class 4 (see UN *Manual of Tests and Criteria*, Part I).

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 UN Model Regulations, Chapter 3.3, SP 172, ST/SG/AC.10/40/Add.1

- A78 (172) Where a R radioactive material has with (a) subsidiary risk(s) must:

 Subparagraphs a) and b) below are reversed

a) Packages must be labelled with subsidiary risk labels corresponding to each subsidiary risk exhibited by the material in accordance with the relevant provisions of 5;3.2; corresponding placards must be affixed to cargo transport units in accordance with the relevant provisions of 5;3.6;

b) The substance must be allocated to Packing Group I, II or III, ~~as and~~ if appropriate, by application of the packing grouping criteria provided in Part 2 corresponding to the nature of the predominant subsidiary risk. ~~For packing, see also 4;9.1.5.~~

c) For the purposes of documentation and package marking, the proper shipping name must be supplemented with the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s) and which must be enclosed in parenthesis;

d) The dangerous goods transport document must indicate the subsidiary class or division and, where assigned, the packing group as required by 5;4.1.4.1 d) and e).

For packing, see also 4;9.1.5.

~~The description required in 5;4.1.5.7.1 b) must include a description of these subsidiary risks (e.g. "Subsidiary risk: 3.6.1"), the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s) and, where applicable, the packing group.~~

Radioactive material with a subsidiary risk of Division 4.2 (Packing Group I) must be transported in Type B packages. Radioactive material with a subsidiary risk of Division 2.1 is forbidden from transport on passenger aircraft, and radioactive material with a subsidiary risk of Division 2.3 is forbidden from transport on passenger or cargo aircraft except with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the conditions established by those authorities. A copy of the document of approval, showing the quantity limitations and the packaging requirements, must accompany the consignment.

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 UN Model Regulations, Chapter 3.3, SP 280, ST/SG/AC.10/40/Add.1

- ≠ A115 (280) This entry applies to ~~articles which are used as lifesaving~~ safety devices for vehicles, vessels or aircraft, e.g. air bag inflators, or air bag modules or, seat belt pretensioners, and pyromechanical devices and which contain dangerous goods of Class 1 or dangerous goods of other classes and when transported as component parts and ~~when~~ if these articles as presented for transport have been tested in accordance with test series 6 (c) of Part I of the UN *Manual of Tests and Criteria*, with no explosion of the device, no fragmentation of the device casing or pressure receptacle, and no projection hazard ~~and no~~ thermal effect which would significantly hinder firefighting or other emergency response efforts in the immediate vicinity.

This entry does not apply to life saving appliances described in Packing Instruction 955 (UN Nos. 2990 and 3072).

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DGP-WG/13-WP/68 (see paragraph 3.2.28 of this report)

A186 (361) This entry applies to electric double layer 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 these Instructions. Energy storage capacity means the energy held by a capacitor, as calculated using the nominal voltage and capacitance. All capacitors to which this entry applies, including capacitors containing an electrolyte that does not meet the classification criteria of any class or division of dangerous goods, must meet the following conditions:

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- d) capacitors must 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 must be contained by the packaging or by the equipment in which a capacitor is installed; and
- e) capacitors must be marked with the energy storage capacity in Wh.

[Note.— The requirement in paragraph e) does not apply to capacitors manufactured before 1 January 2015.]

DGP-WG/13-WP/18 and Flimsy No. 3 Rev. (see paragraph 3.2.19 of this report)

A187 (362) This entry applies to liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas in 2;2.1.1 and 2;2.1.2 a) or b).

Note.— A chemical under pressure in an aerosol dispenser must be transported under UN 1950.

The following provisions must apply:

- a) The chemical under pressure must be classified based on the hazard characteristics of the components in the different states:
- ...
- d) in addition, chemicals under pressure with components meeting the properties of: Class 1, explosives; Class 3, liquid desensitized explosives; Division 4.1, self-reactive substances and solid desensitized explosives; Division 4.2, substances liable to spontaneous combustion; Division 4.3, substances which, in contact with water, emit flammable gases; Division 5.1, oxidizing substances; Division 5.2, organic peroxides; Division 6.2, infectious substances; or Class 7, radioactive material, must not be used for transport under this proper shipping name.

e) Chemicals under pressure containing components forbidden for transport on both passenger and cargo aircraft (columns 10 to 13 of Table 3-1) must not be transported by air.

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UN Model Regulations, Chapter 3.3, SP 375, ST/SG/AC.10/40/Add.1

DGP-WG/13-WP/13 (see paragraph 3.2.17.1 g) of this report)

A190 (373) Neutron radiation detectors containing non-pressurized boron trifluoride gas in excess of 1 gram and radiation detection systems containing neutron radiation detectors as components may be transported on cargo aircraft in accordance with all applicable requirements of these Instructions irrespective of the indication of "forbidden" in columns 12 and 13 of the Dangerous Goods List and with "Toxic gas" and "Corrosive" labels displayed on each package irrespective of no labels being indicated in column 5, provided the following conditions are met:

a) each radiation detector must meet the following conditions:

— ai) the pressure in each neutron radiation detector must not exceed 105 kPa absolute at 20°C;

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~~b)ii) the amount of gas must not exceed 42.8 13 grams per detector and the amount per outer packaging or per radiation detection system must not exceed 51.2 grams;~~

~~iii) each detector must be manufactured under a registered quality assurance programme;~~

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

~~e)iv) each neutron radiation detector must be of welded metal construction with brazed metal to ceramic feed through assemblies. ~~They~~ These detectors must have a minimum burst pressure of 1 800 kPa as demonstrated by design type qualification testing; and~~

~~v) each detector must be tested to a 1×10^{-10} cm³.sec⁻¹ [or cm³/s] leaktightness standard before filling.~~

~~b) radiation detectors transported as individual components must be transported as follows:~~

~~ei) each neutron radiation detector ~~they~~ must be packed in a sealed intermediate plastic liner with sufficient absorbent material to absorb the entire gas contents.~~

~~ii) Neutron radiation detectors ~~they~~ must be packed in strong outer packagings and the completed package must be that are capable of withstanding a 1.8 metre drop test without leakage of gas contents from detectors.~~

~~iii) the total amount of gas from all detectors per outer packaging must not exceed 52 grams.~~

~~c) completed neutron R. Radiation detector systems containing ~~neutron radiation detectors~~ meeting the conditions of paragraph a) must be transported as follows:~~

~~i) the detectors must be contained in a strong sealed outer casing;~~

~~ii) the casing must contain also include sufficient absorbent material ~~sufficient~~ to absorb the entire gas contents of the neutron radiation detectors. Absorbent material must be surrounded by a liner or liners, as appropriate.~~

~~iii) the completed system ~~They~~ must be packed in strong outer packagings capable of withstanding a 1.8 m drop test without leakage unless ~~neutron radiation detectors~~ a system's outer casing are afforded s equivalent protection ~~by the radiation detection system; and~~~~

~~e) the package must be labelled with "Toxic gas" and "Corrosive" subsidiary risk labels.~~

Transport in accordance with this special provision must be noted on the dangerous goods transport document ~~and A~~ A packing instruction must not be shown on the transport document.

When transported as cargo, neutron radiation detectors containing not more than 1 gram of boron trifluoride, including those with solder glass joints, ~~and radiation detection systems containing such detectors where the neutron radiation detectors meet and~~ are not subject to these Instructions provided they meet the requirements in paragraph a) and are packed in accordance with ~~the above conditions~~ paragraph b), ~~are not subject to these Instructions~~ irrespective of the indication of "forbidden" in columns 10 to 13. Radiation detection systems containing such detectors are not subject to these Instructions provided they are packed in accordance with paragraph c). The words "not restricted" and the special provision number A190 must be provided on the air waybill when an air waybill is used.

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UN Model Regulations, Chapter 3.3, SP 367, 368, ST/SG/AC.10/40/Add.1
See paragraph 3.2.17 of this report.

A192 (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;~~

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— 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.

A193 (368) In the case of non-fissile or fissile-excepted uranium hexafluoride, the material must be classified under UN 3507 or UN 2978.

UN Model Regulations, Chapter 3.3, 369, ST/SG/AC.10/40/Add.1

See paragraph 3.2.17.1 h) of this report.

Reference to 5;1.2.4.1 b) (requirement for identification of either shipper or consignee) was deleted following DGP-WG/13 since it would conflict with 5;2.4 (requirement for identification for both shipper and consignee).

A194 (369) In accordance with Part 2, Introductory Chapter, paragraph 4, 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;7.2.4.1.1.2, 2;7.2.4.1.1.5, 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;1.2.2.2, 5;1.6.3, 7;1.6 and 7;3.2.1 to 7;3.2.4 apply.

No Class 7 label is required to be displayed.

UN Model Regulations, Chapter 3.3, 371, ST/SG/AC.10/40/Add.1

See paragraph 3.2.17.1 i) of this report.

A195 (371) 1. This entry also applies to articles, containing a small pressure receptacle with a release device. Such articles must comply with the following requirements:

a) the water capacity of the pressure receptacle must not exceed 0.5 litres and the working pressure must not exceed 25 bar at 15°C;

b) the minimum burst pressure of the pressure receptacle must be at least four times the pressure of the gas at 15 °C;

c) each article must 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;

d) each article must 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 must be manufactured from material which will not fragment upon rupture;

f) the design type of the article must 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 UN *Manual of Tests and Criteria* must be applied. It must 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 metres;

g) the design type of the article must be subjected to the following test. A stimulating mechanism must be used to initiate one article in the middle of the packaging. There must 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 must produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer must 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 must provide such information to the appropriate national authority on request.

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UN Model Regulations, Chapter 3.3, 372, ST/SG/AC.10/40/Add.1
DGP-WG/13-WP/68 (see paragraph 3.2.28 of this report)

A196 (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 these Instructions.

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 must meet the following conditions:

- a) capacitors or modules must be protected against short circuit;
- b) capacitors must 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 must be contained by packaging or by equipment in which a capacitor is installed;
- c) capacitors must be marked with the energy storage capacity in Wh; and

[Note.— The requirement in paragraph c) does not apply to capacitors manufactured before 1 January 2015.]

- d) capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods must 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 these Instructions.

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 these Instructions 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 these Instructions.

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 Instructions 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 must be transported as UN 2795, Batteries, wet, filled with alkali, electric storage.

UN Model Regulations, Chapter 3.3, 375, ST/SG/AC.10/40/Add.1
See paragraph 3.2.17 of this report

A197 (375) These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Instructions provided the packagings meet the general provisions of 4:1.1.1, 4:1.1.3.1 and 4:1.1.5.

Chapter 4

DANGEROUS GOODS IN LIMITED QUANTITIES

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4.1 APPLICABILITY

4.1.1 Limited quantities of dangerous goods may only be carried in accordance with the limitations and provisions of this chapter and must meet all the applicable requirements of the Technical Instructions unless otherwise provided for below.

4.1.2 Only dangerous goods which are permitted on passenger aircraft and which meet the criteria of the following classes, divisions and packing groups (if appropriate) may be carried under these provisions for dangerous goods in limited quantities:

DGP-WG/12-WP/10 (see paragraphs 3.2.11 of DGP-WG/13-WP/1):

Class 2	Only UN 1950 in Divisions 2.1 and 2.2, UN 2037 in Divisions 2.1 and 2.2 without a subsidiary risk, UN 3478 (Fuel cell cartridges , containing liquefied flammable gas) and UN 3479 (Fuel cell cartridges , containing hydrogen in metal hydride)
Class 3	Packing Groups II and III <u>and UN 3473 (Fuel cell cartridges, containing flammable liquids)</u>
Division 4.1	Packing Groups II and III but excluding all self-reactive substances irrespective of packing group
Division 4.3	Packing Groups II and III, solids only <u>and UN 3476 (Fuel cell cartridges, containing water-reactive substances)</u>
Division 5.1	Packing Groups II and III
Division 5.2	Only when contained in a chemical kit or a first-aid kit
Division 6.1	Packing Groups II and III
Class 8	Packing Groups II and III <u>and UN 3477 (Fuel cell cartridges, containing corrosive substances)</u> but excluding UN 2794, UN 2795, UN 2803, UN 2809, UN 3028 and UN 3506.
Class 9	Only UN 1941, UN 1990, UN 2071, UN 3077, UN 3082, UN 3316, UN 3334, <u>and UN 3335 and ID 8000</u>

Note.— Many articles or substances, including the following, are NOT permitted under these limited quantity provisions:

- a) those permitted only on cargo aircraft;
- b) those in Packing Group I;
- c) those in Class 1 or 7 or Divisions 2.1 (~~other than aerosols~~ except as permitted above), 2.3 or 6.2;
- d) those in Division 4.2 or with a subsidiary risk 4.2.

4.1.3 The limitations and provisions of this chapter for the transport of dangerous goods in limited quantities apply equally to both passenger and cargo aircraft.

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4.5 PACKAGE MARKING

4.5.1 Packages containing limited quantities of dangerous goods must be marked as required by the applicable paragraphs of 5.2, except that 5.2.4.4.1 does not apply.

UN Model Regulations, paragraph 3.4.8, ST/SG/AC.10/40/Add.1
DGP-WG/13-WP/14 (see paragraph 3.2.29 of this report)

Text from Figure 3-1 has been moved to 4.5.2. New/amended text (other than editorial changes) is highlighted.

4.5.2 Packages containing limited quantities of dangerous goods and prepared in accordance with this chapter must bear the marking shown in Figure 3-1 below. The marking must be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. **The marking must be in the form of a square set at an angle of 45° (diamond shaped). The top and bottom portions and the surrounding line must be black. The centre area must be white or a suitable contrasting background. The minimum dimension must be 100 mm × 100 mm and the minimum width of the line forming the diamond must be 2 mm. The symbol "Y" must be placed in the centre of the mark and must be clearly visible. Where dimensions are not specified, all features must be in approximate proportion to those shown.**

4.5.2.1 If the size of the package so requires, the minimum outer dimensions shown in Figure 3-1 may be reduced to be not less than 50 mm × 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" must remain in approximate proportion to that shown in Figure 3-1.

4.5.3 When packages containing dangerous goods in limited quantities are placed in an overpack, the overpack must be marked with the word "OVERPACK" and the marking required by this chapter, unless the markings representative of all dangerous goods in the overpack are visible.

Replace Figure 3-1 with the following (text which was below the limited quantity mark is moved to 4.5.2):

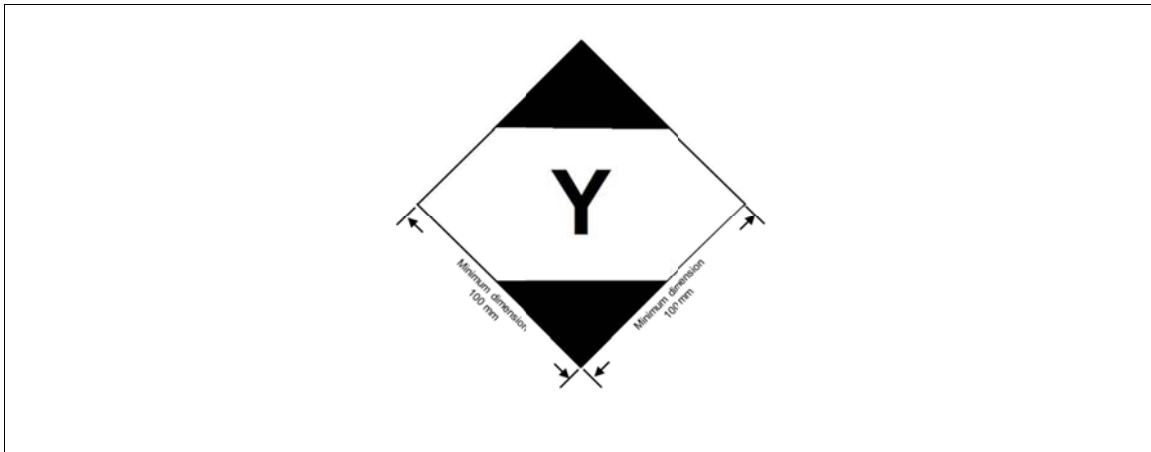


Figure 3-1. Limited quantities mark

Chapter 5

DANGEROUS GOODS PACKED IN EXCEPTED QUANTITIES

Parts of this Chapter are affected by State Variation JP 23; see Table A-1

5.1 EXCEPTED QUANTITIES

5.1.1 Excepted quantities of dangerous goods of certain classes, other than articles, meeting the provisions of this chapter are not subject to any other provisions of these Instructions except for:

- a) the prohibition in post in 1;2.3;
- b) the definitions in 1;3;
- c) the training requirements in 1;4;
- d) the classification procedures and packing group criteria in Part 2;

DGP-WG/12-WP/28 (see paragraph 3.2.15 of DGP-WG/13-WP/1)

- e) the packaging requirements of 4;1.1.1, 4;1.1.3.1, 4;1.1.3.3, 4;1.1.5, 4;1.1.6, 4;1.1.7 and 4;1.1.8 (4;1.1.6 does not apply to UN 3082);
- f) the loading restriction in 7;2.1;
- g) the reporting requirements of dangerous goods accidents, incidents and other occurrences in 7;4.4 and 7;4.5; and
- h) the prohibition of dangerous goods in baggage in 8;1.1.

Note.— In the case of radioactive material, the requirements for radioactive material in excepted packages in 1;6.1.5 apply.

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5.4 MARKING OF PACKAGES

5.4.1 Packages containing excepted quantities of dangerous goods prepared in accordance with this chapter must be durably and legibly marked with the mark shown in Figure 3-2. The primary hazard class or, when assigned, the division of each of the dangerous goods contained in the package must be shown in the mark. Where the name of the shipper or consignee is not shown elsewhere on the package, this information must be included within the mark.

UN Model Regulations, paragraph 3.5.4.2, ST/SG/AC.10/40/Add.1

Text from Figure 3-2 has been moved to 5.4.2. New/amended text (other than editorial changes) is highlighted.

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

5.4.3 An overpack containing dangerous goods in excepted quantities must display the markings required by 5.4.1, unless such markings on packages within the overpack are clearly visible.

Replace Figure 3- with the following (text which was below the limited quantity mark (on left hand side) is moved to 5.4.2):

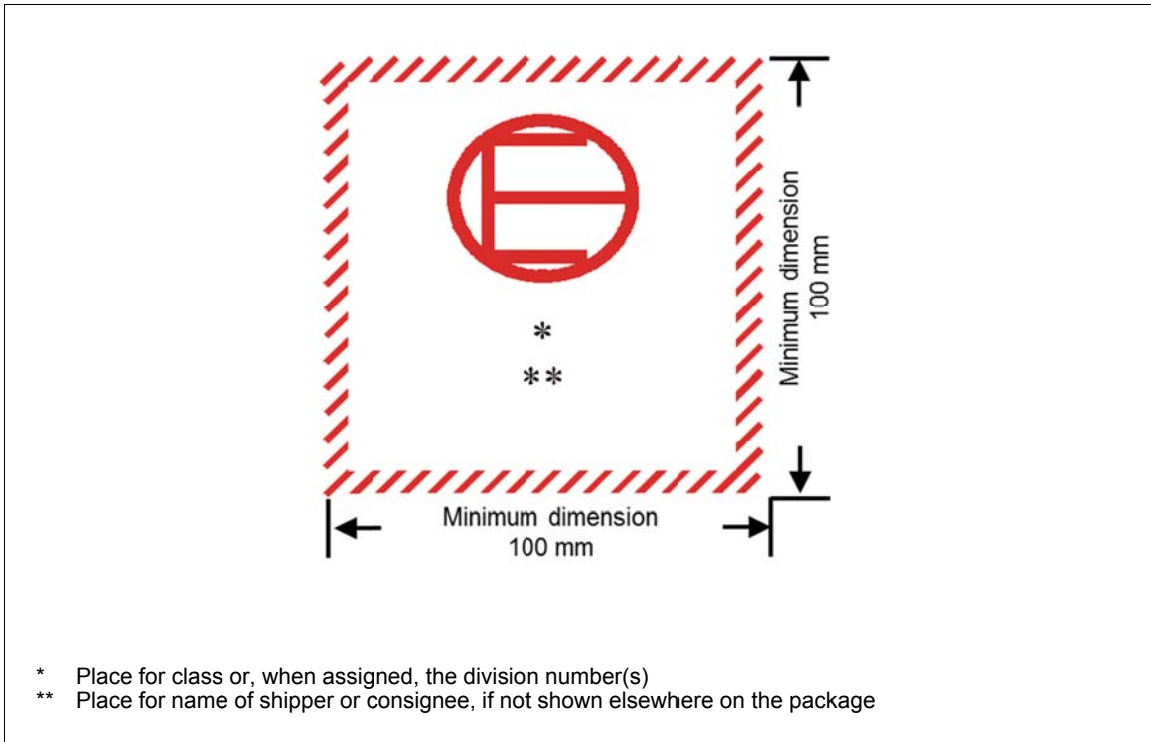


Figure 3-2. Excepted quantities mark

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APPENDIX A

PROPOSED AMENDMENTS TO TABLE 3-1 — UN NUMBER ORDER

The format for displaying the amendments to Table 3-1 is as follows:

Modified entries

- both the original and the modified entry are printed;
- both modified and non-modified fields are printed;
- the original entry is printed in a shaded box with an asterisk in the left margin;
- check boxes are printed above the field(s) which have been modified;
- the modified entry is shown without shading below the original entry; and
- the “≠” symbol is printed in the left margin.

Deleted entries

- deleted entries are displayed in a shaded box with an asterisk in the left margin;
- check boxes are shown above each field; and
- the “>” symbol is displayed in the left margin below the shaded box to indicate that the entry will be deleted.

New entries

New entries are shown without shading with the “+” symbol in the left margin.

Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/> * Actinolite, see White asbestos , etc.												
≠ Actinolite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/> * Amosite, see Brown asbestos												
≠ Amosite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/> * Anthophyllite, see White asbestos , etc.												
≠ Anthophyllite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/> * Asbestos 1, see Blue asbestos (UN No. 2212), Brown asbestos (UN No. 2212) or White asbestos (UN No. 2590)												
≠ Asbestos 1, see Asbestos, amphibole (UN No. 2212) or Asbestos, chrysotile (UN No. 2590)												
<input checked="" type="checkbox"/> * Chrysotile, see White asbestos , etc.												
≠ Chrysotile, see Asbestos, chrysotile (UN 2590), etc.												
<input checked="" type="checkbox"/> * Crocidolite, see Blue asbestos												
≠ Crocidolite, see Asbestos, amphibole (UN No. 2212)												

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* Mysorite, see Brown asbestos												
≠ Mysorite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/>												
* Talcum with tremolite and/or actinolite, see White asbestos , etc.												
≠ Talcum with tremolite and/or actinolite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/>												
* Tremolite, see White asbestos , etc.												
≠ Tremolite, see Asbestos, amphibole (UN No. 2212)												
+ Amphibole asbestos, see Asbestos, amphibole (UN No. 2212)												
+ Mercurous chloride, see Mercury compound, solid, n.o.s. (UN No. 2025)												
<input checked="" type="checkbox"/>												
* Ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	0222	1.1D								FORBIDDEN	FORBIDDEN	
≠ Ammonium nitrate	0222	1.1D								FORBIDDEN	FORBIDDEN	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Air bag inflators †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
>												
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Air bag modules †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
>												

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* Seat-belt pretensioners †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
≠ Safety devices, pyrotechnic †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
+ Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2			FORBIDDEN		FORBIDDEN	
* Printing ink, flammable	1210	3		Liquid flammable		<input checked="" type="checkbox"/> A3 A72	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
≠ Printing ink, flammable	1210	3		Liquid flammable		A3 A72 A192	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
* Printing ink related material (including printing ink thinning or reducing compound), flammable	1210	3		Liquid flammable		<input checked="" type="checkbox"/> A3 A72	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
≠ Printing ink related material (including printing ink thinning or reducing compound), flammable	1210	3		Liquid flammable		A3 A72 A192	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L

Chapter 2

3-2-5

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable		<input checked="" type="checkbox"/> A3 A72	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
≠ Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable		A3 A72 A192	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
* Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		<input checked="" type="checkbox"/> A3 A72	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
≠ Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		A3 A72 A192	I II III	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
* Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1	<input checked="" type="checkbox"/> II	E0	FORBIDDEN		679	50 kg
≠ Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	50 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		679	75 kg
≠ Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	75 kg
* Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		679	50 kg
≠ Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	50 kg
* Blue asbestos (crocidolite) †	2212	9				A61			FORBIDDEN		FORBIDDEN	
≠ Asbestos, amphibole* (amosite, tremolite, actinolite, anthophyllite, crocidolite) †	2212	9				A61			FORBIDDEN		FORBIDDEN	
* Brown asbestos (amosite, mysorite) †	2212	9				A61			FORBIDDEN		FORBIDDEN	
>												
* White asbestos (chrysotile, actinolite, anthophyllite, tremolite) †	2590	9		Miscellaneous	US 4	A61	III	E1	958	200 kg	958	200 kg
≠ Asbestos, chrysotile †	2590	9		Miscellaneous	US 4	A61	III	E1	958	200 kg	958	200 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Radioactive material, excepted package — limited quantity of material	2910	7		None		☑ A23 A130				☑ See Part 2;7		
≠ Radioactive material, excepted package — limited quantity of material	2910	7		None		A130 A193				See Part 1;6		
* Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		☑ A3 A72	II III	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
≠ Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		A3 A72 A192	II III	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
* Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive		☑ A3 A72	II III	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
≠ Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive		A3 A72 A192	II III	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
* Life-saving appliances, not self-inflating containing dangerous goods as equipment	3072	9		Miscellaneous		☑ A48 A87		E0	see 955	No limit	see 955	No limit
≠ Life-saving appliances, not self-inflating containing dangerous goods as equipment	3072	9		Miscellaneous		A48 A87 A182		E0	see 955	No limit	see 955	No limit
* Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	☑ A97 A158 A179	III	E1	956 Y956	400 kg 30 kg G	956	400 kg
≠ Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158 A179 A197	III	E1	956 Y956	400 kg 30 kg G	956	400 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158	III	E1	964 Y964	450 L 30 kg G	964	450 L
≠ Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158 A197	III	E1	964 Y964	450 L 30 kg G	964	450 L
* Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	See 968		See 968	
≠ Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183		E0	See 968		See 968	
* Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185	II	E0	970	5 kg	970	35 kg
≠ Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185		E0	970	5 kg	970	35 kg
* Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185	II	E0	969	5 kg	969	35 kg
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185		E0	969	5 kg	969	35 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable		✓ A48 A114		E0	208	No limit	208	No limit
≠ Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable		A48 A114 A195		E0	208	No limit	208	No limit
* Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable		✓ A48 A114		E0	208	No limit	208	No limit
≠ Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable		A48 A114 A195		E0	208	No limit	208	No limit
✓ * Air bag inflators †	✓ 3268	✓ 9	✓ 9	✓ Miscellaneous	✓ BE 3 US 16	✓ A32 A115 A119	✓ III	✓ E0	✓ 961	✓ 25 kg	✓ 961	✓ 100 kg
>												
✓ * Air bag modules †	✓ 3268	✓ 9	✓ 9	✓ Miscellaneous	✓ BE 3 US 16	✓ A32 A115 A119	✓ III	✓ E0	✓ 961	✓ 25 kg	✓ 961	✓ 100 kg
>												
✓ * Seat-belt pretensioners †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119	✓ III	E0	961	25 kg	961	100 kg
≠ Safety devices, electrically initiated †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119		E0	961	25 kg	961	100 kg
* Batteries, containing sodium †	3292	4.3		Danger if wet		A94 A183	✓ II	E0	FORBIDDEN		492	No limit
≠ Batteries, containing sodium †	3292	4.3		Danger if wet		A94 A183		E0	FORBIDDEN		492	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Cells, containing sodium †	3292	4.3		Danger if wet		A94	II	E0	492	25 kg	492	No limit
≠ Cells, containing sodium †	3292	4.3		Danger if wet		A94		E0	492	25 kg	492	No limit
* Chemical kit	3316	9		Miscellaneous		A44 A163		E0	960 Y960	10 kg 1 kg	960	10 kg
≠ Chemical kit	3316	9		Miscellaneous		A44 A163	II III	E0	960 Y960 960 Y960	10 kg 1 kg 10 kg 1 kg	960	10 kg
* First aid kit	3316	9		Miscellaneous		A44 A163		E0	960 Y960	10 kg 1 kg	960	10 kg
≠ First aid kit	3316	9		Miscellaneous		A44 A163	II III	E0 E0	960 Y960 960 Y960	10 kg 1 kg 10 kg 1 kg	960	10 kg
* Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144	II	E0	FORBIDDEN		565	25 kg
≠ Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144		E0	FORBIDDEN		565	25 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, liquid filler and liquid lacquer base)	3469	3	8	Liquid flammable & Corrosive		A3 A72	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
									352	1 L		5 L
									Y340	0.5 L		60 L
									354 Y342	5 L 1 L		
≠ Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3469	3	8	Liquid flammable & Corrosive		A3 A72 A192	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
									352	1 L		5 L
									Y340	0.5 L		60 L
									354 Y342	5 L 1 L		
* Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3469	3	8	Liquid flammable & Corrosive		A3 A72	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
									352	1 L		5 L
									Y340	0.5 L		60 L
									354 Y342	5 L 1 L		
≠ Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3469	3	8	Liquid flammable & Corrosive		A3 A72 A192	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
									352	1 L		5 L
									Y340	0.5 L		60 L
									354 Y342	5 L 1 L		
* Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable		A72	II	E2	851	1 L	855	30 L
									Y840	0.5 L		
≠ Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable		A72 A192	II	E2	851	1 L	855	30 L
									Y840	0.5 L		
* Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable		A72	II	E2	851	1 L	855	30 L
									Y840	0.5 L		
≠ Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable		A72 A192	II	E2	851	1 L	855	30 L
									Y840	0.5 L		

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183	II	E0	See 965		See 965	
≠ Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183		E0	See 965		See 965	
* Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185	II	E0	967	5 kg	967	35 kg
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185		E0	967	5 kg	967	35 kg
* Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185	II	E0	966	5 kg	966	35 kg
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185		E0	966	5 kg	966	35 kg
* Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		E0	971	No limit	971	No limit
≠ Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		E0	971	No limit	971	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191	III	E0	869	No limit	869	No limit
≠ Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191		E0	869	No limit	869	No limit
+ Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	8	7	Corrosive & Radioactive		A139 A194	I	E0	See 877		See 877	
+ Capacitor, asymmetric (with an energy storage capacity greater than 0.3Wh)	3508	9		Miscellaneous		A196		E0	971	No limit	971	No limit
+ Packaging discarded, empty, uncleaned	3509	9						E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, flammable, n.o.s.	3510	2.1		Gas flammable				E0	FORBIDDEN		219	150 kg
+ Adsorbed gas, n.o.s.*	3511	2.2		Gas non-flammable				E0	219	75 kg	219	150 kg
+ Adsorbed gas, toxic, n.o.s.*	3512	2.3						E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, oxidizing, n.o.s.*	3513	2.2	5.1	Gas non-flammable & Oxidizer				E0	219	75 kg	219	150 kg
+ Adsorbed gas, toxic, flammable, n.o.s.*	3514	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, oxidizing, n.o.s.*	3515	2.3	5.1					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, corrosive, n.o.s.*	3516	2.3	8					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, flammable, corrosive, n.o.s.*	3517	2.3	2.1 8					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, oxidizing, corrosive, n.o.s.*	3518	2.3	5.1 8					E0	FORBIDDEN		FORBIDDEN	
+ Boron trifluoride, adsorbed	3519	2.3	8					E0	FORBIDDEN		FORBIDDEN	
+ Chlorine, adsorbed	3520	2.3	5.1 8					E0	FORBIDDEN		FORBIDDEN	
+ Silicon tetrafluoride, adsorbed	3521	2.3	8					E0	FORBIDDEN		FORBIDDEN	
+ Arsine, adsorbed	3522	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Germane, adsorbed	3523	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Phosphorus pentafluoride, adsorbed	3524	2.3	8					E0	FORBIDDEN		FORBIDDEN	
+ Phosphine, adsorbed	3525	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Hydrogen selenide, adsorbed	3526	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	

APPENDIX B

PROPOSED AMENDMENTS TO TABLE 3-1 — ALPHABETICAL ORDER

The format for displaying the amendments to Table 3-1 is as follows:

Modified entries

- both the original and the modified entry are printed;
- both modified and non-modified fields are printed;
- the original entry is printed in a shaded box with an asterisk in the left margin;
- check boxes are printed above the field(s) which have been modified;
- the modified entry is shown without shading below the original entry; and
- the “≠” symbol is printed in the left margin.

Deleted entries

- deleted entries are displayed in a shaded box with an asterisk in the left margin;
- check boxes are shown above each field; and
- the “>” symbol is displayed in the left margin below the shaded box to indicate that the entry will be deleted.

New entries

New entries are shown without shading with the “+” symbol in the left margin.

Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* Actinolite, see White asbestos , etc.												
≠ Actinolite, see Asbestos, amphibole (UN No. 2212)												
+ Adsorbed gas, n.o.s.*	3511	2.2		Gas non-flammable				E0	219	75 kg	219	150 kg
+ Adsorbed gas, flammable, n.o.s.	3510	2.1		Gas flammable				E0	FORBIDDEN		219	150 kg
+ Adsorbed gas, oxidizing, n.o.s.*	3513	2.2	5.1	Gas non-flammable & Oxidizer				E0	219	75 kg	219	150 kg
+ Adsorbed gas, toxic, n.o.s.*	3512	2.3						E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, corrosive, n.o.s.*	3516	2.3	8					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, flammable, n.o.s.*	3514	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, flammable, corrosive, n.o.s.*	3517	2.3	2.1 8					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, oxidizing, n.o.s.*	3515	2.3	5.1					E0	FORBIDDEN		FORBIDDEN	
+ Adsorbed gas, toxic, oxidizing, corrosive, n.o.s.*	3518	2.3	5.1 8					E0	FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Air bag inflators †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
>												
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Air bag inflators †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119	III	E0	961	25 kg	961	100 kg
>												

Chapter 2

3-2-3

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/> * Air bag modules †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
>												
<input checked="" type="checkbox"/> * Air bag modules †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119	III	E0	961	25 kg	961	100 kg
>												
<input checked="" type="checkbox"/> * Ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	0222	1.1D							FORBIDDEN		FORBIDDEN	
≠ Ammonium nitrate	0222	1.1D							FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/> * Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		679	50 kg
≠ Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	50 kg
<input checked="" type="checkbox"/> * Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		679	75 kg
≠ Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	75 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* Amosite, see Brown asbestos												
≠ Amosite, see Asbestos, amphibole (UN No. 2212)												
+ Amphibole asbestos, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/>												
* Anthophyllite, see White asbestos , etc.												
≠ Anthophyllite, see Asbestos, amphibole (UN No. 2212)												
+ Arsine, adsorbed	3522	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable		<input checked="" type="checkbox"/>	A48 A114	E0	208	No limit	208	No limit
≠ Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable			A48 A114 A195	E0	208	No limit	208	No limit
<input checked="" type="checkbox"/>												
* Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable		<input checked="" type="checkbox"/>	A48 A114	E0	208	No limit	208	No limit
≠ Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable			A48 A114 A195	E0	208	No limit	208	No limit
<input checked="" type="checkbox"/>												
* Asbestos †, see Blue asbestos (UN No. 2212), Brown asbestos (UN No. 2212) or White asbestos (UN No. 2590)												
≠ Asbestos †, see Asbestos, amphibole (UN No. 2212) or Asbestos, chrysotile (UN No. 2590)												
<input checked="" type="checkbox"/>												
* Blue asbestos (crocidolite) †	2212	9					A61		FORBIDDEN		FORBIDDEN	
≠ Asbestos, amphibole* (amosite, tremolite, actinolite, anthophyllite, crocidolite) †	2212	9					A61		FORBIDDEN		FORBIDDEN	

Chapter 2

3-2-5

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* White asbestos (chrysotile, actinolite, anthophyllite, tremolite) †	2590	9		Miscellaneous	US 4	A61	III	E1	958	200 kg	958	200 kg
≠ Asbestos, chrysotile †	2590	9		Miscellaneous	US 4	A61	III	E1	958	200 kg	958	200 kg
* Batteries, containing sodium †	3292	4.3		Danger if wet		A94 A183	<input checked="" type="checkbox"/> II	E0	FORBIDDEN		492	No limit
≠ Batteries, containing sodium †	3292	4.3		Danger if wet		A94 A183		E0	FORBIDDEN		492	No limit
+ Boron trifluoride, adsorbed	3519	2.3	8					E0	FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
* Brown asbestos (amosite, mysorite) †	2212	9				A61			FORBIDDEN		FORBIDDEN	
>												
+ Capacitor, asymmetric (with an energy storage capacity greater than 0.3Wh)	3508	9		Miscellaneous		A196		E0	971	No limit	971	No limit
<input checked="" type="checkbox"/>												
* Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		E0	971	No limit	971	No limit
≠ Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		E0	971	No limit	971	No limit
* Cells, containing sodium †	3292	4.3		Danger if wet		A94	<input checked="" type="checkbox"/> II	E0	492	25 kg	492	No limit
≠ Cells, containing sodium †	3292	4.3		Danger if wet		A94		E0	492	25 kg	492	No limit
* Chemical kit	3316	9		Miscellaneous		A44 A163	<input checked="" type="checkbox"/>	E0	<input checked="" type="checkbox"/> 960 Y960	10 kg 1 kg	960	10 kg
≠ Chemical kit	3316	9		Miscellaneous		A44 A163	II III	E0	960 Y960 960 Y960	10 kg 1 kg 10 kg 1 kg	960	10 kg
+ Chlorine, adsorbed	3520	2.3	5.1 8					E0	FORBIDDEN		FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
<input checked="" type="checkbox"/>												
* Chrysotile, see White asbestos , etc.												
≠ Chrysotile, see Asbestos, chrysotile (UN 2590), etc.												
<input checked="" type="checkbox"/>												
* Crocidolite, see Blue asbestos												
≠ Crocidolite, see Asbestos, amphibole (UN No. 2212)												
* Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	<input checked="" type="checkbox"/> A97 A158	III	E1	964 Y964	450 L 30 kg G	964	450 L
≠ Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158 A197	III	E1	964 Y964	450 L 30 kg G	964	450 L
* Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	<input checked="" type="checkbox"/> A97 A158 A179	III	E1	956 Y956	400 kg 30 kg G	956	400 kg
≠ Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158 A179 A197	III	E1	956 Y956	400 kg 30 kg G	956	400 kg
* First aid kit	3316	9		Miscellaneous		A44 A163	<input checked="" type="checkbox"/>	E0	<input checked="" type="checkbox"/> 960 Y960	10 kg 1 kg	960	10 kg
≠ First aid kit	3316	9		Miscellaneous		A44 A163	II III	E0 E0	960 Y960 960 Y960	10 kg 1 kg 10 kg 1 kg	960 960	10 kg 10 kg
+ Germane, adsorbed	3523	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	
+ Hydrogen selenide, adsorbed	3526	2.3	2.1					E0	FORBIDDEN		FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Life-saving appliances, not self-inflating containing dangerous goods as equipment	3072	9		Miscellaneous		☑ A48 A87		E0	see 955	No limit	see 955	No limit
≠ Life-saving appliances, not self-inflating containing dangerous goods as equipment	3072	9		Miscellaneous		A48 A87 A182		E0	see 955	No limit	see 955	No limit
* Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183	☑ II	E0	See 965		See 965	
≠ Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183		E0	See 965		See 965	
* Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185	☑ II	E0	967	5 kg	967	35 kg
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185		E0	967	5 kg	967	35 kg
* Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185	☑ II	E0	966	5 kg	966	35 kg
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185		E0	966	5 kg	966	35 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	See 968		See 968	
≠ Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183		E0	See 968		See 968	
* Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185	II	E0	970	5 kg	970	35 kg
≠ Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185		E0	970	5 kg	970	35 kg
* Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185	II	E0	969	5 kg	969	35 kg
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185		E0	969	5 kg	969	35 kg
+ Mercurous chloride, see Mercury compound, solid, n.o.s. (UN No. 2025)												

Chapter 2

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Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191	III	E0	869	No limit	869	No limit
≠ Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191		E0	869	No limit	869	No limit
* Mysorite, see Brown asbestos												
≠ Mysorite, see Asbestos, amphibole (UN No. 2212)												
* Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144	II	E0	FORBIDDEN		565	25 kg
≠ Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144		E0	FORBIDDEN		565	25 kg
+ Packaging discarded, empty, uncleaned	3509	9						E0	FORBIDDEN		FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft							
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package						
1	2	3	4	5	6	7	8	9	10	11	12	13						
* Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable		<input checked="" type="checkbox"/>	I	E3	351	1 L	361	30 L						
						A3							II	E2	353	5 L	364	60 L
						A72							III	E1	Y341 355 Y344	1 L 60 L 10 L	366	220 L
≠ Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable			I	E3	351	1 L	361	30 L						
						A3							II	E2	353	5 L	364	60 L
						A72 A192							III	E1	Y341 355 Y344	1 L 60 L 10 L	366	220 L
* Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		<input checked="" type="checkbox"/>	II	E2	851	1 L	855	30 L						
						A3							III	E1	Y840	0.5 L	856	60 L
						A72									852 Y841	5 L 1 L		
≠ Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive			II	E2	851	1 L	855	30 L						
						A3							III	E1	Y840	0.5 L	856	60 L
						A72 A192									852 Y841	5 L 1 L		
* Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable		<input checked="" type="checkbox"/>	II	E2	851	1 L	855	30 L						
						A72									Y840	0.5 L		
≠ Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable			II	E2	851	1 L	855	30 L						
						A72 A192			Y840	0.5 L								

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, liquid filler and liquid lacquer base)	3469	3	8	Liquid flammable & Corrosive		<input checked="" type="checkbox"/>	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
						352			1 L	5 L		
						Y340			0.5 L	60 L		
						354 Y342			5 L 1 L			
≠ Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3469	3	8	Liquid flammable & Corrosive			I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
						A3 A72 A192			1 L	5 L		
						Y340			0.5 L	60 L		
						354 Y342			5 L 1 L			
* Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		<input checked="" type="checkbox"/>	I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						A3 A72			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
≠ Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable			I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						A3 A72 A192			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
* Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive		<input checked="" type="checkbox"/>	II III	E2 E1	851	1 L	855 856	30 L
						A3 A72			0.5 L	60 L		
						Y840			5 L			
						852 Y841			5 L 1 L			
≠ Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive			II III	E2 E1	851	1 L	855 856	30 L
						A3 A72 A192			0.5 L	60 L		
						Y840			5 L			
						852 Y841			5 L 1 L			
* Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable		<input checked="" type="checkbox"/>	II	E2	851	1 L	855	30 L
						A72			0.5 L			
≠ Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable			II	E2	851 Y840	1 L 0.5 L	855	30 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
* Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3469	3	8	Liquid flammable & Corrosive		<input checked="" type="checkbox"/>	I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
						352			1 L	5 L		
						Y340			0.5 L	60 L		
						354 Y342			5 L 1 L			
≠ Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3469	3	8	Liquid flammable & Corrosive			I II III	E0 E2 E1	350	0.5 L	360 363 365	2.5 L
						352			1 L	5 L		
						Y340			0.5 L	60 L		
						354 Y342			5 L 1 L			
+ Phosphine, adsorbed	3525	2.3	2.1					E0	FORBIDDEN	FORBIDDEN		
+ Phosphorus pentafluoride, adsorbed	3524	2.3	8					E0	FORBIDDEN	FORBIDDEN		
* Printing ink, flammable	1210	3		Liquid flammable		<input checked="" type="checkbox"/>	I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						353			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
≠ Printing ink, flammable	1210	3		Liquid flammable			I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						353			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
* Printing ink related material (including printing ink thinning or reducing compound), flammable	1210	3		Liquid flammable		<input checked="" type="checkbox"/>	I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						353			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
≠ Printing ink related material (including printing ink thinning or reducing compound), flammable	1210	3		Liquid flammable			I II III	E3 E2 E1	351	1 L	361 364 366	30 L
						353			5 L	60 L		
						Y341			1 L	220 L		
						355 Y344			60 L 10 L			
* Radioactive material, excepted package — limited quantity of material	2910	7		None		<input checked="" type="checkbox"/>	A23 A130			See Part 2;7		
≠ Radioactive material, excepted package — limited quantity of material	2910	7		None			A130 A193			See Part 1;6		

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
+ Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2			FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/> * Seat-belt pretensioners †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119	<input checked="" type="checkbox"/> III	E0	961	25 kg	961	100 kg
≠ Safety devices, electrically initiated †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119		E0	961	25 kg	961	100 kg
<input checked="" type="checkbox"/> * Seat-belt pretensioners †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
≠ Safety devices, pyrotechnic †	0503	1.4G		Explosive 1.4		A32 A56		E0	FORBIDDEN		135	75 kg
+ Silicon tetrafluoride, adsorbed	3521	2.3	8					E0	FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/> * Talcum with tremolite and/or actinolite, see White asbestos , etc.												
≠ Talcum with tremolite and/or actinolite, see Asbestos, amphibole (UN No. 2212)												
<input checked="" type="checkbox"/> * Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1	<input checked="" type="checkbox"/> II	E0	FORBIDDEN		679	50 kg
≠ Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		679	50 kg
<input checked="" type="checkbox"/> * Tremolite, see White asbestos , etc.												
≠ Tremolite, see Asbestos, amphibole (UN No. 2212)												

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger aircraft		Cargo aircraft	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4	5	6	7	8	9	10	11	12	13
+ Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	8	7	Corrosive & Radioactive		A139 A194	I	E0	See	877	See	877