



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)**

**TWENTY-FIFTH MEETING**

**Montréal, 19 to 30 October 2015**

**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 2017-2018 Edition**

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

(Presented by the Secretary)

**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 seventh session (Geneva, 12 December 2014). It also reflects amendments agreed by DGP-WG14 (Rio de Janeiro, 20 to 24 October 2014) and DGP-WG15 (Montréal, 27 April to 1 May 2015).

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

## Chapter 1

### GENERAL

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#### 1.2 PROPER SHIPPING NAME

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1.2.2 Proper shipping names may be used in the singular or plural as appropriate. In addition, when qualifying words are used as part of the proper shipping name, their sequence on documentation or package-markings ~~marks~~ is optional. For instance, “**Dimethylamine solution**” may alternatively be shown as “**Solution of Dimethylamine**”. However, the entry in column 1 reflects the preferred sequence. Alternative spelling reflecting common usage around the world is acceptable for words such as “**caesium**” for “**cesium**”, “**sulfur**” for “**sulphur**”, “**aluminum**” for “**aluminium**”, etc. However, the spelling appearing in Table 3-1 is preferred.

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**Table 3-1. Dangerous Goods List**

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See Attachments A and B for proposed changes to Table 3-1 (Attachment A = Numerical order according to Column 2, UN No. Attachment B = Alphabetical order according to Column 1, Name)

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## Chapter 3

### SPECIAL PROVISIONS

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UN Model Regulations, paragraph 3.3.1, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2.1 c))

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3.1 Table 3-2 lists the special provisions referred to in column 7 of Table 3-1 and the information contained in them is additional to that shown for the relevant entry. Where the wording of the special provision is equivalent to that in the UN Model Regulations, the UN special provision number is shown in parentheses.

3.2 Where a special provision includes a requirement for package marking, the provisions of Part 5;2.2 must be met. If the required mark is in the form of specific wording indicated in quotation marks, the size of the mark must be at least 12 mm, unless otherwise indicated in the special provision or elsewhere in these Instructions.

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**Table 3-2. Special provisions**

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UN Model Regulations, SP 225, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

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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.

Fire extinguishers must be manufactured, tested, approved and labelled according to the provisions applied in the State of Manufacture.

Note.— Provisions applied in the State of Manufacture means the provisions applicable in the State of Manufacture or those applicable in the State of use.

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, for example, by fork lift or crane when loaded or unloaded.

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*Note.— The following text was included as a note in the UN Model Regulations. DGP-WG/15 determined it should be shown as regular text as it is regulatory. The UN Sub-Committee Secretary informed the 47th Session that legal requirements were included as notes in the Model Regulations and also in the ADR.*

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Cylinders which contain gases for use in the above-mentioned extinguishers or for use in stationary fire-fighting installations must meet the requirements in Part 6:5 and all requirements applicable to the relevant dangerous goods when these cylinders are transported separately.

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UN Model Regulations, SP 240, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
(see paragraph 3.2.3.2.1 d))

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A21 This entry only applies to vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and equipment powered by wet batteries or sodium batteries which are transported with these batteries installed.

For the purpose of this special provision, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are electrically-powered cars, motorcycles, scooters, three- and four-wheeled vehicles or motorcycles, trucks, locomotives, battery-assisted bicycles (pedal cycles with an electric motor) and other vehicles of this type (e.g. self-balancing vehicles or vehicles not equipped with at least one seating position), wheelchairs, lawn tractors, self-propelled farming and construction equipment, boats and aircraft. This includes vehicles transported in a packaging. In this case some parts of the vehicle may be detached from its frame to fit into the packaging.

Examples of equipment are lawnmowers, cleaning machines or model boats and model aircraft.

Equipment powered by lithium metal batteries or lithium ion batteries must be consigned under the entries UN 3091 **Lithium metal batteries contained in equipment** or UN 3091 **Lithium metal batteries packed with equipment** or UN 3481 **Lithium ion batteries contained in equipment** or UN 3481 **Lithium ion batteries packed with equipment**, as appropriate.

~~Vehicles or equipment that also contain an internal combustion engine must be consigned under the entries UN 3166 **Engine, internal combustion, flammable gas powered** or UN 3166 **Engine, internal combustion, flammable liquid powered** or UN 3166 **Vehicle, flammable gas powered** or UN 3166 **Vehicle, flammable liquid powered**, as appropriate. Hybrid electric vehicles powered by both an internal combustion engine and wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed, must be consigned under the entries UN 3166 **Vehicle, flammable gas powered** or UN 3166 **Vehicle, flammable liquid powered**, as appropriate.~~

~~Vehicles or equipment powered by a fuel cell engine must be consigned under the entries UN 3166 **Vehicle, fuel cell, flammable gas powered** or UN 3166 **Vehicle, fuel cell, flammable liquid powered**, or UN 3166 **Engine, fuel cell, flammable gas powered** or UN 3166 **Engine, fuel cell, flammable liquid powered**, as appropriate.~~

**Text added to UN SP 240 related to vehicles which contain dangerous goods other than batteries is not included in Special Provision A21 because it is included in Packing Instructions 220, 378, 950 and 951.**

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UN Model Regulations, SP 207, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

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A38 (207) ~~Polymeric beads and m~~Moulding compounds may be made from polystyrene, poly(methyl methacrylate) or other polymeric material.

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UN Model Regulations, SP 236, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2.1 e))

A66 (236) Polyester resin kits consist of two components: a base material (either Class 3 or Division 4.1, Packing Group II or III) and an activator (Division 5.2 organic peroxide). The organic peroxide must be type D, E or F, not requiring temperature control. The packing group must be Packing Group II or III as assigned, according to the criteria for either Class 3 or Division 4.1, as appropriate, applied to the base material.

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DGP/25-WP/2 (see paragraph 3.2.7.2):

“Machinery” was added to Special Provision A70 to account for new entries in Table 3-1 for internal combustion machinery.

A70 Internal combustion or fuel cell engines or machinery being shipped either separately or incorporated into a vehicle, machine or other apparatus, without batteries or other dangerous goods, are not subject to these Instructions when carried as cargo provided that:

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Multiple engines may be shipped in a unit load device or other type of pallet provided that the shipper has made prior arrangements with the operator(s) for each shipment.

When this special provision is used, the words “not restricted” and the special provision number A70 must be provided on the air waybill when an air waybill is issued.

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UN Model Regulations, SP 310, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2.1 f))

[A88 Pre-production Prototypes of lithium batteries or cells when these prototypes are transported for testing or low production runs (i.e., annual production runs consisting of not more than 100 lithium batteries or cells) lithium batteries or cells that have not been tested to the requirements in Part III, subsection 38.3 of the UN Manual of Tests and Criteria may be transported aboard cargo aircraft if approved by the appropriate authority of the State of Origin and the following requirements in Packing Instruction 910 of the Supplement are met:

- a) except as provided in paragraph c), cells or batteries must be transported in an outer packaging that is a metal, plastic or plywood drum or a metal, plastic or wooden box and that meets the criteria for Packing Group I packagings;
- b) except as provided in paragraph c), each cell or battery must be individually packed in an inner packaging inside an outer packaging and surrounded by cushioning material that is non-combustible, and non-conductive. Cells or batteries must be protected against short circuiting;
- c) lithium batteries with a mass of 12 kg or greater and having a strong, impact resistant outer casing, or assemblies of such batteries, may be packed in strong outer packagings or protective enclosures not subject to the requirements of Part 6 of these Instructions. The batteries or battery assemblies must be protected against short circuiting; and

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~~d) a copy of the document of approval showing the quantity limitations must accompany the consignment. Transport in accordance with this special provision must be noted on the dangerous goods transport document.~~

Irrespective of the limit specified in column 13 of Table 3-1, the battery or battery assembly as prepared for transport may have a mass exceeding 35 kg G.]

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UN Model Regulations, SP 244, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
(see paragraph 3.2.3.2.1 g))

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A102 (244) This listing includes aluminium dross, aluminium skimmings, spent cathodes, spent potliner and aluminium salt slags.

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UN Model Regulations, SP 204, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
(see paragraph 3.2.3.2.1 h))

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A132 (204) Articles containing smoke-producing substance(s) corrosive according to the criteria for Class 8 must be labelled with a "Corrosive" subsidiary risk label. Articles containing smoke-producing substance(s) toxic by inhalation according to the criteria for Division 6.1 must be labelled with a "TOXIC" subsidiary risk label (Figure 5-17), except that those manufactured before 31 December 2016 may be offered for transport until 31 December 2018 without a "TOXIC" subsidiary label.

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UN Model Regulations, SP 312, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
(see paragraph 3.2.3.2.1 i))

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A134 (312) ~~Vehicles or machinery~~ powered by a fuel cell engine must be consigned under the entries UN 3166 **Vehicle, fuel cell, flammable gas powered** or UN 3166 **Vehicle, fuel cell, flammable liquid powered**, or UN 3166 **Engine, fuel cell, flammable gas powered** or UN 3166 **Engine, fuel cell, flammable liquid powered**, as appropriate. These entries include hybrid electric vehicles powered by both a fuel cell and an internal combustion engine with wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed.

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DGP/25-WP/2 (see paragraph 3.2.7.2):

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A151 When dry ice is used as a refrigerant for other than dangerous goods loaded in a unit load device ~~or other type of pallet~~, the quantity limits per package shown in columns 11 and 13 of Table 3-1 for dry ice do not apply. In such case, the unit load device ~~or other type of pallet~~ must be identified to the operator and must allow the venting of the carbon dioxide gas to prevent a dangerous build-up of pressure.

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UN Model Regulations, SP 373, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

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- A190 (373) Neutron radiation detectors containing non-pressurized boron trifluoride gas in excess of 1 g 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 Table 3-1 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:
    - i) the pressure in each neutron radiation detector must not exceed 105 kPa absolute at 20°C;
    - ii) the amount of gas must not exceed 13 grams per detector;
    - 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.*
    - iv) each neutron radiation detector must be of welded metal construction with brazed metal to ceramic feed through assemblies. 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  $1 \times 10^{-10}$  cm<sup>3</sup>/s leaktightness standard before filling.
  - b) radiation detectors transported as individual components must be transported as follows:
    - i) they must be packed in a sealed intermediate plastic liner with sufficient absorbent or adsorbent material to absorb or adsorb the entire gas contents;
    - ii) they must be packed in strong outer packagings and the completed package must be capable of withstanding a 1.8 m drop test without leakage of gas contents from detectors; and
    - iii) the total amount of gas from all detectors per outer packaging must not exceed 52 grams.
  - c) completed neutron radiation detector systems containing detectors meeting the conditions of sub-paragraph a) must be transported as follows:
    - i) the detectors must be contained in a strong sealed outer casing;
    - ii) the casing must contain sufficient absorbent or adsorbent material to absorb or adsorb the entire gas contents; and
    - iii) the completed system must 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.

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 UN Model Regulations, SP 369, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)
 

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A194 (369) In accordance with Part 2, Introductory Chapter, paragraph 4, this radioactive material in an excepted package possessing toxic and corrosive properties is classified in ~~Class 8~~ Division 6.1 with a radioactive material and corrosive subsidiary risks.

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~~ Division 6.1 substances with a corrosive subsidiary risk, 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.

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 UN Model Regulations, SP 378, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
 (see paragraph 3.2.3.2.1 j))
 

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A202 (378) Radiation detectors containing this gas in non-refillable cylinders not meeting the requirements of Part 6;5 and Packing Instruction 200 may be offered for transport under this entry provided:

a) the working pressure in each cylinder does not exceed 50 bar;

b) the cylinder capacity does not exceed 12 L;

c) each cylinder has a minimum burst pressure of at least three times the working pressure when a relief device is fitted and at least four times the working pressure when no relief device is fitted;

d) each cylinder is manufactured from material which will not fragment upon rupture;

e) each detector is manufactured under a registered quality assurance programme;

*Note.— ISO 9001:2008 may be used for this purpose.*

f) detectors are transported in strong outer packagings. The complete package must be capable of withstanding a 1.2 m drop test without breakage of the detector or rupture of the outer packaging. Equipment that includes a detector must be packed in a strong outer packaging unless the detector is afforded equivalent protection by the equipment in which it is contained; and

g) transport in accordance with this special provision must be noted on the dangerous goods transport document.

Radiation detectors, including detectors in radiation detection systems, are not subject to any other requirements of these Instructions if the detectors meet the requirements in a) to f) above and the capacity of detector cylinders does not exceed 50 mL.

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 UN Model Regulations, SP 380, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)
 

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A203 (380) If a vehicle is powered by a flammable liquid and a flammable gas internal combustion engine, it must be assigned to UN 3166 — **Vehicle, flammable gas powered.**

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UN Model Regulations, SP 382, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

A204 (382) Polymeric beads may be made from polystyrene, poly (methyl methacrylate) or other polymeric material. When it can be demonstrated that no flammable vapour, resulting in a flammable atmosphere, is evolved according to test U1 (Test method for substances liable to evolve flammable vapours) of Part III, sub-section 38.4.4 of the Manual of Tests and Criteria, polymeric beads, expandable need not be classified under this UN number. This test should only be performed when de-classification of a substance is considered.

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UN Model Regulations, SP 383, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

A205 (383) Table tennis balls manufactured from celluloid are not subject to these Instructions where the net mass of each table tennis ball does not exceed 3.0 g and the total net mass of table tennis balls does not exceed 500 g per package.

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UN Model Regulations, SP 384, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2.1 k))

A206 (384) The hazard label must conform to the model shown in Figure 5-26. Figure 5-25 may continue to be used until 31 December 2018.

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UN Model Regulations, SP 385, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2.1 d))

A207 (385) This entry applies to vehicles powered by flammable liquid or gas internal combustion engines or fuel cells.

Hybrid electric vehicles powered by both an internal combustion engine and wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the batteries installed must be consigned under this entry. Vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the batteries installed, must be consigned under the entry UN 3171 — **Battery-powered vehicle** (see Special Provision A21).

For the purpose of this special provision, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are cars, motorcycles, trucks, locomotives, scooters, three- and four-wheeled vehicles or motorcycles, lawn tractors, self-propelled farming and construction equipment, boats and aircraft.

Text added to UN SP 385 related to securely installing dangerous goods that are integral components of the vehicle and lithium batteries meeting the requirements of 2.9.3 is not included in Special Provision A207 because the provisions are adequately addressed in Packing Instructions 950 and 951.

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UN Model Regulations, SP 363, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3  
(see paragraph 3.2.3.2.1 d))

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A208 (363) SP 363 of the Model Regulations includes the phrase “except those which are assigned under UN 3166 or UN 3363” at the end of sub-paragraph a) as it was not considered necessary. A208 is assigned to 3528, 3529 and 3530 in Table 3-1.

a) This entry applies to engines or machinery, powered by fuels classified as dangerous goods via internal combustion systems or fuel cells (e.g. combustion engines, generators, compressors, turbines, heating units).

SP 363 of the Model Regulations includes an exception (sub-paragraph b of that provision) for Engines or machinery which are empty of liquid or gaseous fuels and which do not contain other dangerous goods which is not included in special Provision A208 as it is proposed that the provisions in Special Provision A70 contradict this and that A70 should be retained.

c) Engines and machinery containing fuels meeting the classification criteria of Class 3, must be consigned under the entries UN 3528 — **Engine, internal combustion, flammable liquid powered** or UN 3528 — **Engine, fuel cell, flammable liquid powered** or UN 3528 — **Machinery, internal combustion, flammable liquid powered** or UN 3528 — **Machinery, fuel cell, flammable liquid powered**, as appropriate.

d) Engines and machinery containing fuels meeting the classification criteria of Division 2.1, must be consigned under the entries UN 3529 — **Engine, internal combustion, flammable gas powered** or UN 3529 — **Engine, fuel cell, flammable gas powered** or UN 3529 — **Machinery, internal combustion, flammable gas powered** or UN 3529 — **Machinery, fuel cell, flammable gas powered**, as appropriate.

Engines and machinery powered by both a flammable gas and a flammable liquid must be consigned under the appropriate UN 3529 entry.

e) Engines and machinery containing liquid fuels meeting the classification criteria for environmentally hazardous substances and not meeting the classification criteria of any other class or division, must be consigned under the entries UN 3530 — **Engine, internal combustion** or UN 3530 — **Machinery, internal combustion**, as appropriate.

Text included in UN SP 363 (sub-paragraph f) related to dangerous goods required for the functioning or safe operation of the engines or machinery and lithium batteries meeting the requirements of 2;9.3 is not included in Special Provision A208 because the provisions are adequately addressed in the applicable packing instructions (220, 378, 972)

Most of the provisions included in sub-paragraph g) of UN SP 363 are not included in Special Provision A208 as they were considered inappropriate for the air mode. It was considered more appropriate to include the remaining provisions (i.e. sub-sub paragraphs i) ii) and iii)) in the applicable packing instructions.

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UN Model Regulations, SP 386, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

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Provisions included in UN SP 386 are not included in Special Provision A209 since they apply to substances which forbidden for transport by air unless exempted. They are included in the Supplement as new Special Provision A329 (DGP/25-WP/19).

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A209 Substances which are stabilized by temperature control are forbidden for transport by air unless exempted (see 1:1.1.2).

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## Chapter 4

### DANGEROUS GOODS IN LIMITED QUANTITIES

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UN Model Regulations, Chapter 3.4, ST/SG/AC.10/42/Add.1 and DGP/25-WP/3 (see paragraph 3.2.3.2)

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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.

4.5.2 Packages containing limited quantities of dangerous goods and prepared in accordance with this chapter must bear the marking mark shown in Figure 3-1 below. The marking mark must be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The marking mark 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 x 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 x 50 mm provided the marking mark 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.

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#### 4.5.3 Use of overpacks

4.5.3.1 When packages For an overpack containing dangerous goods packed in limited quantities, the following applies: are placed in an overpack, the overpack must be marked with the word "OVERPACK" and the marking required by this chapter, u Unless the markings marks representative of all dangerous goods in the overpack are visible, the overpack must be:

- a) marked with the word "OVERPACK". The lettering of the "OVERPACK" mark must be at least 12 mm high; and
- b) marked with the marks required by this chapter.

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## Chapter 5

### DANGEROUS GOODS PACKED IN EXCEPTED QUANTITIES

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#### 5.2 PACKAGINGS

5.2.1 Packagings used for the transport of dangerous goods in excepted quantities must be in compliance with the following:

- a) there must be an inner packaging and each inner packaging must be constructed of plastic (when used for liquid dangerous goods it must have a thickness of not less than 0.2 mm), or of glass, porcelain, stoneware, earthenware or metal (see also 4;1.1.3.1) and the closure of each inner packaging must be held securely in place with wire, tape or other positive means; any receptacle having a neck with moulded screw threads must have a leak proof threaded type cap. The closure must be resistant to the contents;
- b) each inner packaging must be securely packed in an intermediate packaging with cushioning material in such a way that, under normal conditions of transport, they cannot break, be punctured or leak their contents. ~~The intermediate packaging must completely contain the contents in case of breakage or leakage, regardless of package orientation.~~ For liquid dangerous goods, the intermediate or outer packaging must contain sufficient absorbent material to absorb the entire contents of the inner packagings. In such cases, When placed in the intermediate packaging, the absorbent material may be the cushioning material. Dangerous goods must not react dangerously with cushioning, absorbent material and packaging material or reduce the integrity or function of the materials. Regardless of its orientation, the package must completely contain the contents in case of breakage or leakage;
- c) the intermediate packaging must be securely packed in a strong, rigid outer packaging (wooden, fibreboard or other equally strong material);
- d) each package type must be in compliance with the provisions in 5.3;
- e) each package must be of such a size that there is adequate space to apply all necessary ~~markings~~ marks; and
- f) overpacks may be used and may also contain packages of dangerous goods or goods not subject to these Instructions provided that the packages are secured within the overpack.

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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.

5.4.2 The ~~marking~~ mark 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 Use of overpacks

5.4.3.1 ~~An~~ For an overpack containing dangerous goods in excepted quantities, the following applies: ~~must display the markings required by 5.4.1, u~~ Unless such the markings marks representative of all dangerous goods on packages within in the an overpack are clearly visible, the overpack must be:

- a) marked with the word "OVERPACK". The lettering of the "OVERPACK" mark must be at least 12 mm high; and
- b) marked with the marks required by this chapter.

The other provisions of 5;2.4.10 apply only if other dangerous goods which are not packed in excepted quantities are contained in the overpack and only in relation to these other dangerous goods.

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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 1	UN No. 2	Class or division 3	Subsidiary risk 4	Labels 5	State variations 6	Special provisions 7	UN packing group 8	Excepted quantity 9	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction 10	Max. net quantity per package 11	Packing instruction 12	Max. net quantity per package 13
+ Rocket motors †	0510	1.4C		Explosive 1.4				E0	FORBIDDEN		130	75 kg
* Argon, compressed	1006	2.2		Gas non-flammable		☑ A69		E1	200	75 kg	200	150 kg
≠ Argon, compressed	1006	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* Butadienes, stabilized	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Butadienes, stabilized	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Butadienes and hydrocarbon mixture, stabilized, containing more than 40% butadienes	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Butadienes and hydrocarbon mixture, stabilized, containing more than 40% butadienes	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Carbon dioxide	1013	2.2		Gas non-flammable		☑		E1	200	75 kg	200	150 kg
≠ Carbon dioxide	1013	2.2		Gas non-flammable		A202		E1	200	75 kg	200	150 kg
* Helium, compressed	1046	2.2		Gas non-flammable		☑ A69		E1	200	75 kg	200	150 kg
≠ Helium, compressed	1046	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* Hydrogen cyanide, stabilized containing less than 3% water	1051	6.1	3			☑			FORBIDDEN		FORBIDDEN	
≠ Hydrogen cyanide, stabilized containing less than 3% water	1051	6.1	3			A209			FORBIDDEN		FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									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	
* Krypton, compressed	1056	2.2		Gas non-flammable		☑ A69			E1	200	75 kg	200	150 kg
≠ Krypton, compressed	1056	2.2		Gas non-flammable		A69 A202			E1	200	75 kg	200	150 kg
* Methylacetylene and propadiene mixture, stabilized †	1060	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1			E0	FORBIDDEN	200	150 kg	
≠ Methylacetylene and propadiene mixture, stabilized †	1060	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg	
* Neon, compressed	1065	2.2		Gas non-flammable		☑ A69			E1	200	75 kg	200	150 kg
≠ Neon, compressed	1065	2.2		Gas non-flammable		A69 A202			E1	200	75 kg	200	150 kg
* Nitrogen, compressed	1066	2.2		Gas non-flammable		☑ A69			E1	200	75 kg	200	150 kg
≠ Nitrogen, compressed	1066	2.2		Gas non-flammable		A69 A202			E1	200	75 kg	200	150 kg
* Tetrafluoroethylene, stabilized	1081	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1			E0	FORBIDDEN	200	150 kg	
≠ Tetrafluoroethylene, stabilized	1081	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
* Trifluorochloroethylene, stabilized	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN		FORBIDDEN
≠ Trifluorochloroethylene, stabilized	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN		FORBIDDEN
* Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN		FORBIDDEN
≠ Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN		FORBIDDEN
* Vinyl bromide, stabilized	1085	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1		E0		FORBIDDEN	200	150 kg
≠ Vinyl bromide, stabilized	1085	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0		FORBIDDEN	200	150 kg
* Vinyl chloride, stabilized	1086	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3 US 4	<input checked="" type="checkbox"/> A1		E0		FORBIDDEN	200	150 kg
≠ Vinyl chloride, stabilized	1086	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3 US 4	A1 A209		E0		FORBIDDEN	200	150 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Vinyl methyl ether, stabilized	1087	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1			E0	FORBIDDEN	200	150 kg
≠ Vinyl methyl ether, stabilized	1087	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg
* Acrolein, stabilized	1092	6.1	3			<input checked="" type="checkbox"/>				FORBIDDEN	FORBIDDEN	
≠ Acrolein, stabilized	1092	6.1	3			A209				FORBIDDEN	FORBIDDEN	
* Acrylonitrile, stabilized	1093	3	6.1	Liquid flammable & Toxic		<input checked="" type="checkbox"/>		I	E0	FORBIDDEN	361	30 L
≠ Acrylonitrile, stabilized	1093	3	6.1	Liquid flammable & Toxic		A209	I	E0		FORBIDDEN	361	30 L
* Crotonaldehyde, stabilized	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Crotonaldehyde, stabilized	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A209				FORBIDDEN	FORBIDDEN	
* Crotonaldehyde	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Crotonaldehyde	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A209				FORBIDDEN	FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Divinyl ether, stabilized	1167	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Divinyl ether, stabilized	1167	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L
* Ethyleneimine, stabilized	1185	6.1	3			☑			FORBIDDEN		FORBIDDEN	
≠ Ethyleneimine, stabilized	1185	6.1	3			A209			FORBIDDEN		FORBIDDEN	
* Isoprene, stabilized	1218	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Isoprene, stabilized	1218	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L
* Methyl isopropenyl ketone, stabilized	1246	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Methyl isopropenyl ketone, stabilized	1246	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Methyl methacrylate monomer, stabilized	1247	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Methyl methacrylate monomer, stabilized	1247	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Methyl vinyl ketone, stabilized	1251	6.1	3 8			☑			FORBIDDEN		FORBIDDEN	
≠ Methyl vinyl ketone, stabilized	1251	6.1	3 8			A209			FORBIDDEN		FORBIDDEN	
* Vinyl acetate, stabilized	1301	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Vinyl acetate, stabilized	1301	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Vinyl ethyl ether, stabilized	1302	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Vinyl ethyl ether, stabilized	1302	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L
* Vinylidene chloride, stabilized	1303	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Vinylidene chloride, stabilized	1303	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package	
									1	2	3	4	5
* Vinyl isobutyl ether, stabilized	1304	3		Liquid flammable		☑	II	E2		353 Y341	5 L 1 L	364	60 L
≠ Vinyl isobutyl ether, stabilized	1304	3		Liquid flammable		A209	II	E2		353 Y341	5 L 1 L	364	60 L
* Allyl isothiocyanate, stabilized	1545	6.1	3	Toxic & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1	II	E0		FORBIDDEN		661	60 L
≠ Allyl isothiocyanate, stabilized	1545	6.1	3	Toxic & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209	II	E0		FORBIDDEN		661	60 L
* Cyanogen chloride, stabilized	1589	2.3	8		AU 1 CA 7 IR 3 NL 1 US 3	☑ A2				FORBIDDEN		FORBIDDEN	
≠ Cyanogen chloride, stabilized	1589	2.3	8		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN		FORBIDDEN	
* Hydrogen cyanide, stabilized containing less than 3% water and absorbed in a porous inert material	1614	6.1				☑				FORBIDDEN		FORBIDDEN	
≠ Hydrogen cyanide, stabilized containing less than 3% water and absorbed in a porous inert material	1614	6.1				A209				FORBIDDEN		FORBIDDEN	
* Allyltrichlorosilane, stabilized	1724	8	3	Corrosive & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1	II	E0		FORBIDDEN		876	30 L
≠ Allyltrichlorosilane, stabilized	1724	8	3	Corrosive & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209	II	E0		FORBIDDEN		876	30 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package	
									10	11	12	13	
* Sulphur trioxide, stabilized	1829	8			AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN		FORBIDDEN	
≠ Sulphur trioxide, stabilized	1829	8			AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN		FORBIDDEN	
* Vinyl fluoride, stabilized	1860	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1		E0		FORBIDDEN	200	150 kg	
≠ Vinyl fluoride, stabilized	1860	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0		FORBIDDEN	200	150 kg	
* Ethyl acrylate, stabilized	1917	3		Liquid flammable		<input checked="" type="checkbox"/>	II	E2	353 Y341	5 L 1 L	364	60 L	
≠ Ethyl acrylate, stabilized	1917	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L	
* Methyl acrylate, stabilized	1919	3		Liquid flammable		<input checked="" type="checkbox"/>	II	E2	353 Y341	5 L 1 L	364	60 L	
≠ Methyl acrylate, stabilized	1919	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L	
* Propyleneimine, stabilized	1921	3	6.1	Liquid flammable & Toxic	US 4	<input checked="" type="checkbox"/>	I	E0			FORBIDDEN	361	30 L
≠ Propyleneimine, stabilized	1921	3	6.1	Liquid flammable & Toxic	US 4		I	E0			FORBIDDEN	361	30 L
* Aerosols, non-flammable	1950	2.2		Gas non-flammable				E0	<input checked="" type="checkbox"/>	203 or 204 Y203 or Y204	75 kg 30 kg G	<input checked="" type="checkbox"/>	203 or 204 150 kg
≠ Aerosols, non-flammable	1950	2.2		Gas non-flammable				E0		203 Y203	75 kg 30 kg G		203 150 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package	
									10	11	12	13	
* Aerosols, non-flammable (tear gas devices)	1950	2.2	6.1	Gas non-flammable & Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1 A145 A167		E0	FORBIDDEN		<input checked="" type="checkbox"/>	212	50 kg
≠ Aerosols, non-flammable (tear gas devices)	1950	2.2	6.1	Gas non-flammable & Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1 A145 A167		E0	FORBIDDEN			203	50 kg
* Compressed gas, n.o.s.*	1956	2.2		Gas non-flammable		<input checked="" type="checkbox"/>		E1	200	75 kg		200	150 kg
≠ Compressed gas, n.o.s.*	1956	2.2		Gas non-flammable		A202		E1	200	75 kg		200	150 kg
* Chloroprene, stabilized	1991	3	6.1	Liquid flammable & Toxic		<input checked="" type="checkbox"/>	I	E0	FORBIDDEN			361	30 L
≠ Chloroprene, stabilized	1991	3	6.1	Liquid flammable & Toxic		A209	I	E0	FORBIDDEN			361	30 L
* Celluloid, in blocks, rods, rolls, sheets, tubes, etc. (except scrap)	2000	4.1		Solid flammable		<input checked="" type="checkbox"/>	III	E1	456	25 kg		456	100 kg
≠ Celluloid, in blocks, rods, rolls, sheets, tubes, etc. (except scrap)	2000	4.1		Solid flammable		A3 A48 A205	III	E1	456	25 kg		456	100 kg
* Xenon	2036	2.2		Gas non-flammable		<input checked="" type="checkbox"/>		E1	200	75 kg		200	150 kg
≠ Xenon	2036	2.2		Gas non-flammable		A69 A202		E1	200	75 kg		200	150 kg
* Styrene monomer, stabilized	2055	3		Liquid flammable		<input checked="" type="checkbox"/>	III	E1	355 Y344	60 L 10 L		366	220 L
≠ Styrene monomer, stabilized	2055	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L		366	220 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Propadiene, stabilized	2200	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg
≠ Propadiene, stabilized	2200	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Polymeric beads, expandable, evolving flammable vapour †	2211	9		Miscellaneous		A38	III	E1	957	100 kg	957	200 kg
≠ Polymeric beads, expandable, evolving flammable vapour †	2211	9		Miscellaneous		A204	III	E1	957	100 kg	957	200 kg
* Paraformaldehyde	2213	4.1		Solid flammable			III	E1	446 Y443	25 kg 10 kg	449	100 kg
≠ Paraformaldehyde	2213	4.1		Solid flammable		A3	III	E1	446 Y443	25 kg 10 kg	449	100 kg
* Acrylic acid, stabilized	2218	8	3	Corrosive & Liquid flammable			II	E2	851 Y840	1 L 0.5 L	855	30 L
≠ Acrylic acid, stabilized	2218	8	3	Corrosive & Liquid flammable		A209	II	E2	851 Y840	1 L 0.5 L	855	30 L
* n-Butyl methacrylate, stabilized	2227	3		Liquid flammable			III	E1	355 Y344	60 L 10 L	366	220 L
≠ n-Butyl methacrylate, stabilized	2227	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Bicyclo [2.2.1] hepta-2-5-diene, stabilized	2251	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
≠ Bicyclo [2.2.1] hepta-2-5-diene, stabilized	2251	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* 2,5-Norbornadiene, stabilized	2251	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
≠ 2,5-Norbornadiene, stabilized	2251	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Ethyl methacrylate, stabilized	2277	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Ethyl methacrylate, stabilized	2277	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Isobutyl methacrylate, stabilized	2283	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Isobutyl methacrylate, stabilized	2283	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Butyl acrylates, stabilized	2348	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Butyl acrylates, stabilized	2348	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Butyl vinyl ether, stabilized	2352	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Butyl vinyl ether, stabilized	2352	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Dipropylamine	2383	3	8	Liquid flammable & Corrosive		☑	II	E2	352 Y340	1 L 0.5 L	363	5 L
≠ Dipropylamine	2383	3	8	Liquid flammable & Corrosive		A209	II	E2	352 Y340	1 L 0.5 L	363	5 L
* Methacrylaldehyde, stabilized	2396	3	6.1	Liquid flammable & Toxic		☑	II	E2	352 Y341	1 L 1 L	364	60 L
≠ Methacrylaldehyde, stabilized	2396	3	6.1	Liquid flammable & Toxic		A209	II	E2	352 Y341	1 L 1 L	364	60 L
* Ethylacetylene, stabilized	2452	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Ethylacetylene, stabilized	2452	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Diketene, stabilized	2521	6.1	3			☑			FORBIDDEN		FORBIDDEN	
≠ Diketene, stabilized	2521	6.1	3			A209			FORBIDDEN		FORBIDDEN	
* Isobutyl acrylate, stabilized	2527	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Isobutyl acrylate, stabilized	2527	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Methacrylic acid, stabilized	2531	8		Corrosive		☑	II	E2	851 Y840	1 L 0.5 L	855	30 L
≠ Methacrylic acid, stabilized	2531	8		Corrosive		A209	II	E2	851 Y840	1 L 0.5 L	855	30 L
* Acrolein dimer, stabilized	2607	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Acrolein dimer, stabilized	2607	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Vinyltoluenes, stabilized	2618	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Vinyltoluenes, stabilized	2618	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* N-Aminoethylpiperazine	2815	8	☑	☑ Corrosive			III	E1	852 Y841	5 L 1 L	856	60 L
≠ N-Aminoethylpiperazine	2815	8	6.1	☑ Corrosive & Toxic			III	E1	852 Y841	5 L 1 L	856	60 L
* Vinyl butyrate, stabilized	2838	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Vinyl butyrate, stabilized	2838	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Radioactive material, uranium hexafluoride, fissile	2977	7	☑	☑ Radioactive & Corrosive					See Part 2;7 and Part 4;9			
≠ Radioactive material, uranium hexafluoride, fissile	2977	7	6.1 8	☑ Radioactive & Toxic & Corrosive					See Part 2;7 and Part 4;9			

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* <b>Radioactive material, uranium hexafluoride, non-fissile or fissile excepted</b>	2978	7	8	Radioactive & Corrosive	CA 1	A139			See Part 2;7	and Part 4;9		
≠ <b>Radioactive material, uranium hexafluoride, non-fissile or fissile excepted</b>	2978	7	6.1 8	Radioactive & Toxic & Corrosive	CA 1	A139			See Part 2;7	and Part 4;9		
* <b>1,2-Butylene oxide, stabilized</b>	3022	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
≠ <b>1,2-Butylene oxide, stabilized</b>	3022	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* <b>Vinylpyridines, stabilized</b>	3073	6.1	3 8	Toxic & Liquid flammable & Corrosive			II	E4	653 Y640	1 L 0.5 L	660	30 L
≠ <b>Vinylpyridines, stabilized</b>	3073	6.1	3 8	Toxic & Liquid flammable & Corrosive		A209	II	E4	653 Y640	1 L 0.5 L	660	30 L
* <b>Methacrylonitrile, stabilized</b>	3079	6.1	3								FORBIDDEN	FORBIDDEN
≠ <b>Methacrylonitrile, stabilized</b>	3079	6.1	3			A209					FORBIDDEN	FORBIDDEN
* <b>Lithium metal batteries (including lithium alloy batteries) †</b>	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183 A201		E0			FORBIDDEN	See 968
≠ <b>Lithium metal batteries (including lithium alloy batteries) †</b>	3090	9		Miscellaneous — Lithium batteries	US 2 US 3	A88 A99 A154 A164 A183 A201 A206		E0			FORBIDDEN	See 968

Name 1	UN No. 2	Class or division 3	Subsidiary risk 4	Labels 5	State variations 6	Special provisions 7	UN packing group 8	Excepted quantity 9	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction 10	Max. net quantity per package 11	Packing instruction 12	Max. net quantity per package 13
* Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous <input checked="" type="checkbox"/>	US 2 US 3	A48 A99 A154 A164 A181 A185		E0	970	5 kg	970	35 kg
≠ Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous — Lithium batteries	US 2 US 3	A48 A88 A99 A154 A164 A181 A185 A206		E0	970	5 kg	970	35 kg
* Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous <input checked="" type="checkbox"/>	US 2 US 3	A99 A154 A164 A181 A185		E0	969	5 kg	969	35 kg
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous — Lithium batteries	US 2 US 3	A88 A99 A154 A164 A181 A185 A206		E0	969	5 kg	969	35 kg
+ Halogenated monomethyldiphenylmethanes, liquid	3151	9		Miscellaneous		A11 A95	II	E2	964	100 L	964	220 L
+ Halogenated monomethyldiphenylmethanes, solid	3152	9		Miscellaneous		A11 A95	II	E2	956	100 kg	956	200 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Vehicle, flammable gas powered	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134		E0	FORBIDDEN		951	No limit
≠ Vehicle, flammable gas powered	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A203 A207		E0	FORBIDDEN		951	No limit
* Vehicle, flammable liquid powered	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134		E0	950	No limit	950	No limit
≠ Vehicle, flammable liquid powered	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A203 A207		E0	950	No limit	950	No limit
* Vehicle, fuel cell, flammable gas powered †	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134 A176		E0	FORBIDDEN		951	No limit
≠ Vehicle, fuel cell, flammable gas powered †	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A176 A203 A207		E0	FORBIDDEN		951	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* <b>Vehicle, fuel cell, flammable liquid powered †</b>	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134 A176		E0	950	No limit	950	No limit
≠ <b>Vehicle, fuel cell, flammable liquid powered †</b>	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A176 A203 A207		E0	950	No limit	950	No limit
* <input checked="" type="checkbox"/> <b>Polyester resin kit †</b>	3269	3		Liquid flammable		A66 A163	II III	E0 E0	370 Y370 370 Y370	5 kg 1 kg 10 kg 5 kg	370 370	5 kg 10 kg
≠ <b>Polyester resin kit , liquid base material †</b>	3269	3		Liquid flammable		A66 A163	II III	E0 E0	370 Y370 370 Y370	5 kg 1 kg 10 kg 5 kg	370 370	5 kg 10 kg
* <b>Lithium ion batteries</b> (including lithium ion polymer batteries)	3480	9		Miscellaneous <input checked="" type="checkbox"/>	US 3	<input checked="" type="checkbox"/> A88 A99 A154 A164 A183		E0	See 965		See 965	See 965
≠ <b>Lithium ion batteries</b> (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium batteries	US 3	A88 A99 A154 A164 A183 A206		E0	See 965		See 965	See 965

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									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 contained in equipment (including lithium ion polymer batteries)	3481	9		<input checked="" type="checkbox"/> Miscellaneous	US 3	<input checked="" type="checkbox"/> A48 A99 A154 A164 A181 A185			E0	967	5 kg	967	35 kg
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium batteries	US 3	A48 A88 A99 A154 A164 A181 A185 A206			E0	967	5 kg	967	35 kg
* Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		<input checked="" type="checkbox"/> Miscellaneous	US 3	<input checked="" type="checkbox"/> A88 A99 A154 A164 A181 A185			E0	966	5 kg	966	35 kg
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium batteries	US 3	A88 A99 A154 A164 A181 A185 A206			E0	966	5 kg	966	35 kg
* Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	<input checked="" type="checkbox"/> 8	<input checked="" type="checkbox"/> 7	<input checked="" type="checkbox"/> Corrosive		A139 A194	I		E0	<input checked="" type="checkbox"/> See 877		<input checked="" type="checkbox"/> See 877	
≠ Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	6.1	7 8	Toxic & Corrosive		A139 A194	I		E0	See 603		See 603	
+ Polyester resin kit, solid base material	3527	4.1		Solid flammable		A66 A163	II III		E0 E0	450 Y450 450 Y450	5 kg 1 kg 10 kg 5 kg	450 450	5 kg 10 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Engine, internal combustion, flammable liquid powered	3166	9		Miscellaneous		A67 A70 A87 A134		E0	950	No limit	950	No limit
≠ Engine, internal combustion, flammable liquid powered	3528	3		Liquid flammable		67 A70 A87 A208		E0	378	No limit	378	No limit
* Engine, fuel cell, flammable liquid powered †	3166	9		Miscellaneous		A67 A70 A87 A134 A176		E0	950	No limit	950	No limit
≠ Engine, fuel cell, flammable liquid powered †	3528	3		Liquid flammable		A67 A70 A87 A176 A208		E0	378	No limit	378	No limit
+ Machinery, internal combustion, flammable liquid powered	3528	3		Liquid flammable		A67 A70 A87 A208		E0	378	No limit	378	No limit
+ Machinery, fuel cell, flammable liquid powered	3528	3		Liquid flammable		A67 A70 A87 A176 A208		E0	378	No limit	378	No limit
* Engine, internal combustion, flammable gas powered	3166	9		Miscellaneous		A67 A70 A87 A134		E0	FORBIDDEN		951	No limit
≠ Engine, internal combustion, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Engine, fuel cell, flammable gas powered †	3166	9		Miscellaneous		A67 A70 A87 A134 A176		E0	FORBIDDEN		951	No limit
‡ Engine, fuel cell, flammable gas powered †	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit
+ Machinery, internal combustion, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit
+ Machinery, fuel cell, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit
+ Engine, internal combustion	3530	9		Miscellaneous		A208		E0	972	No limit	972	No limit
+ Machinery, internal combustion	3530	9		Miscellaneous		A208		E0	972	No limit	972	No limit
+ Polymerizing substance, solid, stabilized, n.o.s.*	3531	4.1		Solid flammable		A209	III	E0	459	10 kg	459	25 kg
+ Polymerizing substance, liquid, stabilized, n.o.s.*	3532	4.1		Solid flammable		A209	III	E0	459	10 L	459	25 L
+ Polymerizing substance, solid, temperature controlled, n.o.s.*	3533	4.1				A209		E0	FORBIDDEN		FORBIDDEN	
+ Polymerizing substance, liquid, temperature controlled, n.o.s.*	3534	4.1				A209		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 and cargo aircraft		Cargo aircraft only	
									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
* Acrolein dimer, stabilized	2607	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Acrolein dimer, stabilized	2607	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Acrolein, stabilized	1092	6.1	3			☑			FORBIDDEN		FORBIDDEN	
≠ Acrolein, stabilized	1092	6.1	3			A209			FORBIDDEN		FORBIDDEN	
* Acrylic acid, stabilized	2218	8	3	Corrosive & Liquid flammable		☑	II	E2	851 Y840	1 L 0.5 L	855	30 L
≠ Acrylic acid, stabilized	2218	8	3	Corrosive & Liquid flammable		A209	II	E2	851 Y840	1 L 0.5 L	855	30 L
* Acrylonitrile, stabilized	1093	3	6.1	Liquid flammable & Toxic		☑	I	E0	FORBIDDEN		361	30 L
≠ Acrylonitrile, stabilized	1093	3	6.1	Liquid flammable & Toxic		A209	I	E0	FORBIDDEN		361	30 L
* Aerosols, non-flammable	1950	2.2		Gas non-flammable		A98 A145 A167		E0	☑ 203 or 204 Y203 or Y204	75 kg 30 kg G	☑ 203 or 204	150 kg
≠ Aerosols, non-flammable	1950	2.2		Gas non-flammable		A98 A145 A167		E0	203 Y203	75 kg 30 kg G	203	150 kg
* Aerosols, non-flammable (tear gas devices)	1950	2.2	6.1	Gas non-flammable & Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1 A145 A167		E0	FORBIDDEN		☑ 212	50 kg
≠ Aerosols, non-flammable (tear gas devices)	1950	2.2	6.1	Gas non-flammable & Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1 A145 A167		E0	FORBIDDEN		203	50 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* <b>Allyl isothiocyanate, stabilized</b>	1545	6.1	3	Toxic & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1	II	E0	FORBIDDEN		661	60 L
≠ <b>Allyl isothiocyanate, stabilized</b>	1545	6.1	3	Toxic & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209	II	E0	FORBIDDEN		661	60 L
* <b>Allyltrichlorosilane, stabilized</b>	1724	8	3	Corrosive & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1	II	E0	FORBIDDEN		876	30 L
≠ <b>Allyltrichlorosilane, stabilized</b>	1724	8	3	Corrosive & Liquid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209	II	E0	FORBIDDEN		876	30 L
* <b>N-Aminoethylpiperazine</b>	2815	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Corrosive			III	E1	852 Y841	5 L 1 L	856	60 L
≠ <b>N-Aminoethylpiperazine</b>	2815	8	6.1	Corrosive & Toxic			III	E1	852 Y841	5 L 1 L	856	60 L
* <b>Argon, compressed</b>	1006	2.2		Gas non-flammable		<input checked="" type="checkbox"/> A69		E1	200	75 kg	200	150 kg
≠ <b>Argon, compressed</b>	1006	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* <b>Bicyclo [2.2.1] hepta-2-5-diene, stabilized</b>	2251	3		Liquid flammable		<input checked="" type="checkbox"/>	II	E2	353 Y341	5 L 1 L	364	60 L
≠ <b>Bicyclo [2.2.1] hepta-2-5-diene, stabilized</b>	2251	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Butadienes and hydrocarbon mixture, stabilized, containing more than 40% butadienes	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg
≠ Butadienes and hydrocarbon mixture, stabilized, containing more than 40% butadienes	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Butadienes, stabilized	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg
≠ Butadienes, stabilized	1010	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Butyl acrylates, stabilized	2348	3		Liquid flammable			III	E1	355 Y344	60 L 10 L	366	220 L
≠ Butyl acrylates, stabilized	2348	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* 1,2-Butylene oxide, stabilized	3022	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
≠ 1,2-Butylene oxide, stabilized	3022	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* n-Butyl methacrylate, stabilized	2227	3		Liquid flammable			III	E1	355 Y344	60 L 10 L	366	220 L
≠ n-Butyl methacrylate, stabilized	2227	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Butyl vinyl ether, stabilized	2352	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
≠ Butyl vinyl ether, stabilized	2352	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 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 and cargo aircraft		Cargo aircraft only	
									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
* Carbon dioxide	1013	2.2		Gas non-flammable		☑		E1	200	75 kg	200	150 kg
≠ Carbon dioxide	1013	2.2		Gas non-flammable		A202		E1	200	75 kg	200	150 kg
* Celluloid, in blocks, rods, rolls, sheets, tubes, etc. (except scrap)	2000	4.1		Solid flammable		☑ A3 A48	III	E1	456	25 kg	456	100 kg
≠ Celluloid, in blocks, rods, rolls, sheets, tubes, etc. (except scrap)	2000	4.1		Solid flammable		A3 A48 A205	III	E1	456	25 kg	456	100 kg
* Chloroprene, stabilized	1991	3	6.1	Liquid flammable & Toxic		☑	I	E0	FORBIDDEN		361	30 L
≠ Chloroprene, stabilized	1991	3	6.1	Liquid flammable & Toxic		A209	I	E0	FORBIDDEN		361	30 L
* Compressed gas, n.o.s.*	1956	2.2		Gas non-flammable		☑		E1	200	75 kg	200	150 kg
≠ Compressed gas, n.o.s.*	1956	2.2		Gas non-flammable		A202		E1	200	75 kg	200	150 kg
* Crotonaldehyde	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	☑ A2			FORBIDDEN		FORBIDDEN	
≠ Crotonaldehyde	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A209			FORBIDDEN		FORBIDDEN	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Crotonaldehyde, stabilized	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Crotonaldehyde, stabilized	1143	6.1	3		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A209				FORBIDDEN	FORBIDDEN	
* Cyanogen chloride, stabilized	1589	2.3	8		AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Cyanogen chloride, stabilized	1589	2.3	8		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN	FORBIDDEN	
* Diketene, stabilized	2521	6.1	3			<input checked="" type="checkbox"/>				FORBIDDEN	FORBIDDEN	
≠ Diketene, stabilized	2521	6.1	3			A209				FORBIDDEN	FORBIDDEN	
* Dipropylamine	2383	3	8	Liquid flammable & Corrosive		<input checked="" type="checkbox"/>	II	E2	352 Y340	1 L 0.5 L	363	5 L
≠ Dipropylamine	2383	3	8	Liquid flammable & Corrosive		A209	II	E2	352 Y340	1 L 0.5 L	363	5 L
* Divinyl ether, stabilized	1167	3		Liquid flammable		<input checked="" type="checkbox"/>	I	E3	351	1 L	361	30 L
≠ Divinyl ether, stabilized	1167	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L

Chapter 2

3-2-7

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Engine, fuel cell, flammable gas powered †	3166	9		Miscellaneous		A67 A70 A87 A134 A176		E0	FORBIDDEN		951	No limit
≠ Engine, fuel cell, flammable gas powered †	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit
* Engine, fuel cell, flammable liquid powered †	3166	9		Miscellaneous		A67 A70 A87 A134 A176		E0	950	No limit	950	No limit
≠ Engine, fuel cell, flammable liquid powered †	3528	3		Liquid flammable		A67 A70 A87 A176 A208		E0	378	No limit	378	No limit
+ Engine, internal combustion	3530	9		Miscellaneous		A208		E0	972	No limit	972	No limit
* Engine, internal combustion, flammable gas powered	3166	9		Miscellaneous		A67 A70 A87 A134		E0	FORBIDDEN		951	No limit
≠ Engine, internal combustion, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208		E0	FORBIDDEN		220	No limit
* Engine, internal combustion, flammable liquid powered	3166	9		Miscellaneous		A67 A70 A87 A134		E0	950	No limit	950	No limit
≠ Engine, internal combustion, flammable liquid powered	3528	3		Liquid flammable		67 A70 A87 A208		E0	378	No limit	378	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only			
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package		
									10	11	12	13		
* Ethylacetylene, stabilized	2452	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1			E0	FORBIDDEN	200	150 kg		
≠ Ethylacetylene, stabilized	2452	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg		
* Ethyl acrylate, stabilized	1917	3		Liquid flammable					II	E2	353 Y341	5 L 1 L	364	60 L
≠ Ethyl acrylate, stabilized	1917	3		Liquid flammable		A209	II		E2	353 Y341	5 L 1 L	364	60 L	
* Ethyleneimine, stabilized	1185	6.1	3								FORBIDDEN	FORBIDDEN		
≠ Ethyleneimine, stabilized	1185	6.1	3			A209					FORBIDDEN	FORBIDDEN		
* Ethyl methacrylate, stabilized	2277	3		Liquid flammable					II	E2	353 Y341	5 L 1 L	364	60 L
≠ Ethyl methacrylate, stabilized	2277	3		Liquid flammable		A209	II		E2	353 Y341	5 L 1 L	364	60 L	
+ Halogenated monomethyldiphenylmethanes, liquid	3151	9		Miscellaneous		A11 A95	II		E2	964	100 L	964	220 L	
+ Halogenated monomethyldiphenylmethanes, solid	3152	9		Miscellaneous		A11 A95	II		E2	956	100 kg	956	200 kg	
* Helium, compressed	1046	2.2		Gas non-flammable		A69				E1	200	75 kg	200	150 kg
≠ Helium, compressed	1046	2.2		Gas non-flammable		A69 A202				E1	200	75 kg	200	150 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Hydrogen cyanide, stabilized containing less than 3% water	1051	6.1	3			☑				FORBIDDEN	FORBIDDEN	
≠ Hydrogen cyanide, stabilized containing less than 3% water	1051	6.1	3			A209				FORBIDDEN	FORBIDDEN	
* Hydrogen cyanide, stabilized containing less than 3% water and absorbed in a porous inert material	1614	6.1				☑				FORBIDDEN	FORBIDDEN	
≠ Hydrogen cyanide, stabilized containing less than 3% water and absorbed in a porous inert material	1614	6.1				A209				FORBIDDEN	FORBIDDEN	
* Isobutyl acrylate, stabilized	2527	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Isobutyl acrylate, stabilized	2527	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Isobutyl methacrylate, stabilized	2283	3		Liquid flammable		☑	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Isobutyl methacrylate, stabilized	2283	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Isoprene, stabilized	1218	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Isoprene, stabilized	1218	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L
* Krypton, compressed	1056	2.2		Gas non-flammable		☑		E1	200	75 kg	200	150 kg
≠ Krypton, compressed	1056	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* 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 (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium batteries	US 3		A88 A99 A154 A164 A183 A206	E0	See 965		See 965	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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 contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous <input checked="" type="checkbox"/>	US 3	A48 A99 A154 A164 A181 A185		E0	967	5 kg	967	35 kg
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium batteries	US 3	A48 A88 A99 A154 A164 A181 A185 A206		E0	967	5 kg	967	35 kg
* Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous <input checked="" type="checkbox"/>	US 3	A88 A99 A154 A164 A181 A185		E0	966	5 kg	966	35 kg
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium batteries	US 3	A88 A99 A154 A164 A181 A185 A206		E0	966	5 kg	966	35 kg
* Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous <input checked="" type="checkbox"/>	US 2 US 3	A88 A99 A154 A164 A183 A201		E0	FORBIDDEN		See 968	
≠ Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous — Lithium batteries	US 2 US 3	A88 A99 A154 A164 A183 A201 A206		E0	FORBIDDEN		See 968	

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									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 contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous <input checked="" type="checkbox"/>	US 2 US 3	A48 A99 A154 A164 A181 A185			E0	970	5 kg	970	35 kg
≠ Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous — Lithium batteries	US 2 US 3	A48 A88 A99 A154 A164 A181 A185 A206			E0	970	5 kg	970	35 kg
* Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous <input checked="" type="checkbox"/>	US 2 US 3	A99 A154 A164 A181 A185			E0	969	5 kg	969	35 kg
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous — Lithium batteries	US 2 US 3	A88 A99 A154 A164 A181 A185 A206			E0	969	5 kg	969	35 kg
+ Machinery, fuel cell, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208			E0	FORBIDDEN		220	No limit
+ Machinery, fuel cell, flammable liquid powered	3528	3		Liquid flammable		A67 A70 A87 A176 A208			E0	378	No limit	378	No limit
+ Machinery, internal combustion	3530	9		Miscellaneous		A208			E0	972	No limit	972	No limit
+ Machinery, internal combustion, flammable gas powered	3529	2.1		Gas flammable		A67 A70 A87 A208			E0	FORBIDDEN		220	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
<b>+</b> Machinery, internal combustion, flammable liquid powered	3528	3		Liquid flammable		A67 A70 A87 A208		E0	378	No limit	378	No limit
<b>*</b> Methacrylaldehyde, stabilized	2396	3	6.1	Liquid flammable & Toxic		<input checked="" type="checkbox"/>	II	E2	352 Y341	1 L 1 L	364	60 L
<b>≠</b> Methacrylaldehyde, stabilized	2396	3	6.1	Liquid flammable & Toxic		A209	II	E2	352 Y341	1 L 1 L	364	60 L
<b>*</b> Methacrylic acid, stabilized	2531	8		Corrosive		<input checked="" type="checkbox"/>	II	E2	851 Y840	1 L 0.5 L	855	30 L
<b>≠</b> Methacrylic acid, stabilized	2531	8		Corrosive		A209	II	E2	851 Y840	1 L 0.5 L	855	30 L
<b>*</b> Methacrylonitrile, stabilized	3079	6.1	3			<input checked="" type="checkbox"/>			FORBIDDEN		FORBIDDEN	
<b>≠</b> Methacrylonitrile, stabilized	3079	6.1	3			A209			FORBIDDEN		FORBIDDEN	
<b>*</b> Methylacetylene and propadiene mixture, stabilized †	1060	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/>		E0	FORBIDDEN		200	150 kg
<b>≠</b> Methylacetylene and propadiene mixture, stabilized †	1060	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
<b>*</b> Methyl acrylate, stabilized	1919	3		Liquid flammable		<input checked="" type="checkbox"/>	II	E2	353 Y341	5 L 1 L	364	60 L
<b>≠</b> Methyl acrylate, stabilized	1919	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
<b>*</b> Methyl isopropenyl ketone, stabilized	1246	3		Liquid flammable		<input checked="" type="checkbox"/>	II	E2	353 Y341	5 L 1 L	364	60 L
<b>≠</b> Methyl isopropenyl ketone, stabilized	1246	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Methyl methacrylate monomer, stabilized	1247	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Methyl methacrylate monomer, stabilized	1247	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Methyl vinyl ketone, stabilized	1251	6.1	3 8			☑			FORBIDDEN		FORBIDDEN	
≠ Methyl vinyl ketone, stabilized	1251	6.1	3 8			A209			FORBIDDEN		FORBIDDEN	
* Neon, compressed	1065	2.2		Gas non-flammable		☑ A69		E1	200	75 kg	200	150 kg
≠ Neon, compressed	1065	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* Nitrogen, compressed	1066	2.2		Gas non-flammable		☑ A69		E1	200	75 kg	200	150 kg
≠ Nitrogen, compressed	1066	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg
* 2,5-Norbornadiene, stabilized	2251	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ 2,5-Norbornadiene, stabilized	2251	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Paraformaldehyde	2213	4.1		Solid flammable		☑	III	E1	446 Y443	25 kg 10 kg	449	100 kg
≠ Paraformaldehyde	2213	4.1		Solid flammable		A3	III	E1	446 Y443	25 kg 10 kg	449	100 kg
* Polyester resin kit †	3269	3		Liquid flammable		☑ A66 A163	II III	E0 E0	370 Y370 370 Y370	5 kg 1 kg 10 kg 5 kg	370 370	5 kg 10 kg
≠ Polyester resin kit , liquid base material †	3269	3		Liquid flammable		A66 A163	II III	E0 E0	370 Y370 370 Y370	5 kg 1 kg 10 kg 5 kg	370 370	5 kg 10 kg
+ Polyester resin kit, solid base material	3527	4.1		Solid flammable		A66 A163	II III	E0 E0	450 Y450 450 Y450	5 kg 1 kg 10 kg 5 kg	450 450	5 kg 10 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Polymeric beads, expandable, evolving flammable vapour †	2211	9		Miscellaneous		☑ A38	III	E1	957	100 kg	957	200 kg
≠ Polymeric beads, expandable, evolving flammable vapour †	2211	9		Miscellaneous		A204	III	E1	957	100 kg	957	200 kg
+ Polymerizing substance, liquid, stabilized, n.o.s.*	3532	4.1		Solid flammable		A209	III	E0	459	10 L	459	25 L
+ Polymerizing substance, liquid, temperature controlled, n.o.s.*	3534	4.1				A209		E0	FORBIDDEN		FORBIDDEN	
+ Polymerizing substance, solid, stabilized, n.o.s.*	3531	4.1		Solid flammable		A209	III	E0	459	10 kg	459	25 kg
+ Polymerizing substance, solid, temperature controlled, n.o.s.*	3533	4.1				A209		E0	FORBIDDEN		FORBIDDEN	
* Propadiene, stabilized	2200	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Propadiene, stabilized	2200	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Propyleneimine, stabilized	1921	3	6.1	Liquid flammable & Toxic	US 4	☑	I	E0	FORBIDDEN		361	30 L
≠ Propyleneimine, stabilized	1921	3	6.1	Liquid flammable & Toxic	US 4	A209	I	E0	FORBIDDEN		361	30 L
* Radioactive material, uranium hexafluoride, non-fissile or fissile excepted	2978	7	☑ 8	☑ Radioactive & Corrosive	CA 1	A139			See Part 2;7 and Part 4;9			
≠ Radioactive material, uranium hexafluoride, non-fissile or fissile excepted	2978	7	6.1 8	Radioactive & Toxic & Corrosive	CA 1	A139			See Part 2;7 and Part 4;9			
* Radioactive material, uranium hexafluoride, fissile	2977	7	☑ 8	☑ Radioactive & Corrosive					See Part 2;7 and Part 4;9			
≠ Radioactive material, uranium hexafluoride, fissile	2977	7	6.1 8	Radioactive & Toxic & Corrosive					See Part 2;7 and Part 4;9			

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN	FORBIDDEN	
+ Rocket motors †	0510	1.4C		Explosive 1.4				E0	FORBIDDEN		130	75 kg
* Styrene monomer, stabilized	2055	3		Liquid flammable		<input checked="" type="checkbox"/>	III	E1	355 Y344	60 L 10 L	366	220 L
≠ Styrene monomer, stabilized	2055	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
* Sulphur trioxide, stabilized	1829	8			AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Sulphur trioxide, stabilized	1829	8			AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN	FORBIDDEN	
* Tetrafluoroethylene, stabilized	1081	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1		E0	FORBIDDEN		200	150 kg
≠ Tetrafluoroethylene, stabilized	1081	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Trifluorochloroethylene, stabilized	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A2				FORBIDDEN	FORBIDDEN	
≠ Trifluorochloroethylene, stabilized	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2 A209				FORBIDDEN	FORBIDDEN	
* Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	<input checked="" type="checkbox"/> 8	<input checked="" type="checkbox"/> 7	<input checked="" type="checkbox"/> Corrosive		A139 A194	I	E0	<input checked="" type="checkbox"/> See 877		<input checked="" type="checkbox"/> See 877	
≠ Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	6.1	7 8	Toxic & Corrosive		A139 A194	I	E0	See 603		See 603	
* Vehicle, flammable gas powered	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134		E0	FORBIDDEN		951	No limit
≠ Vehicle, flammable gas powered	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A203 A207		E0	FORBIDDEN		951	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Vehicle, flammable liquid powered	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134		E0	950	No limit	950	No limit
≠ Vehicle, flammable liquid powered	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A203 A207		E0	950	No limit	950	No limit
* Vehicle, fuel cell, flammable gas powered †	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134 A176		E0	FORBIDDEN		951	No limit
≠ Vehicle, fuel cell, flammable gas powered †	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A176 A203 A207		E0	FORBIDDEN		951	No limit
* Vehicle, fuel cell, flammable liquid powered †	3166	9		Miscellaneous		<input checked="" type="checkbox"/> A67 A70 A87 A118 A120 A134 A176		E0	950	No limit	950	No limit
≠ Vehicle, fuel cell, flammable liquid powered †	3166	9		Miscellaneous		A67 A70 A87 A118 A120 A134 A176 A203 A207		E0	950	No limit	950	No limit

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
									10	11	12	13
* Vinyl acetate, stabilized	1301	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Vinyl acetate, stabilized	1301	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Vinyl bromide, stabilized	1085	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Vinyl bromide, stabilized	1085	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209		E0	FORBIDDEN		200	150 kg
* Vinyl butyrate, stabilized	2838	3		Liquid flammable		☑	II	E2	353 Y341	5 L 1 L	364	60 L
≠ Vinyl butyrate, stabilized	2838	3		Liquid flammable		A209	II	E2	353 Y341	5 L 1 L	364	60 L
* Vinyl chloride, stabilized	1086	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3 US 4	☑ A1		E0	FORBIDDEN		200	150 kg
≠ Vinyl chloride, stabilized	1086	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3 US 4	A1 A209		E0	FORBIDDEN		200	150 kg
* Vinyl ethyl ether, stabilized	1302	3		Liquid flammable		☑	I	E3	351	1 L	361	30 L
≠ Vinyl ethyl ether, stabilized	1302	3		Liquid flammable		A209	I	E3	351	1 L	361	30 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only		
									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	
* Vinyl fluoride, stabilized	1860	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1			E0	FORBIDDEN	200	150 kg	
≠ Vinyl fluoride, stabilized	1860	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg	
* Vinylidene chloride, stabilized	1303	3		Liquid flammable		<input checked="" type="checkbox"/>		I	E3	351	1 L	361	30 L
≠ Vinylidene chloride, stabilized	1303	3		Liquid flammable		A209		I	E3	351	1 L	361	30 L
* Vinyl isobutyl ether, stabilized	1304	3		Liquid flammable		<input checked="" type="checkbox"/>		II	E2	353 Y341	5 L 1 L	364	60 L
≠ Vinyl isobutyl ether, stabilized	1304	3		Liquid flammable		A209		II	E2	353 Y341	5 L 1 L	364	60 L
* Vinyl methyl ether, stabilized	1087	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	<input checked="" type="checkbox"/> A1			E0	FORBIDDEN	200	150 kg	
≠ Vinyl methyl ether, stabilized	1087	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A209			E0	FORBIDDEN	200	150 kg	
* Vinylpyridines, stabilized	3073	6.1	3 8	Toxic & Liquid flammable & Corrosive		<input checked="" type="checkbox"/>		II	E4	653 Y640	1 L 0.5 L	660	30 L
≠ Vinylpyridines, stabilized	3073	6.1	3 8	Toxic & Liquid flammable & Corrosive		A209		II	E4	653 Y640	1 L 0.5 L	660	30 L
* Vinyltoluenes, stabilized	2618	3		Liquid flammable		<input checked="" type="checkbox"/>		III	E1	355 Y344	60 L 10 L	366	220 L
≠ Vinyltoluenes, stabilized	2618	3		Liquid flammable		A209		III	E1	355 Y344	60 L 10 L	366	220 L

Name	UN No.	Class or division	Subsidiary risk	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									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
* Xenon	2036	2.2		Gas non-flammable		<input checked="" type="checkbox"/> A69		E1	200	75 kg	200	150 kg
≠ Xenon	2036	2.2		Gas non-flammable		A69 A202		E1	200	75 kg	200	150 kg