



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-THIRD MEETING

Montréal, 11 to 21 October 2011

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 2013-2014 Edition

DRAFT AMENDMENTS OF THE TECHNICAL INSTRUCTIONS TO ALIGN TO 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 fifth session (Geneva, 10 December 2010). It also reflects amendments agreed by DGP-WG/10 (Abu Dhabi, United Arab Emirates, 7 to 11 November 2010) and DGP-WG/11 (Atlantic City, United States, 4 to 8 April 2011).

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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1.3 MIXTURES OR SOLUTIONS

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DGP/23-WP/3, paragraph 3.2.9:

1.3.2 A mixture or solution meeting the classification criteria of these Instructions composed of a single predominant substance identified by name in Table 3-1 and one or more substances not subject to these Instructions and/or traces of one or more substances identified by name in Table 3-1 must be assigned the UN number and proper shipping name of the predominant substance named in Table 3-1, unless:

- a) the mixture or solution is specifically identified by name in Table 3-1 in which case this name must be applied; or

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1.3.4 A mixture or solution meeting the classification criteria of these Instructions that is not identified by name in Table 3-1 and that is composed of two or more dangerous goods must be assigned to an entry that has the proper shipping name, description, hazard class or division, subsidiary risk(s) and packing group that most precisely describe the solution or mixture.

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Chapter 2

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

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

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DGP/23-WP/3, paragraph 3.2.12:

Column 11 "Passenger aircraft — Maximum net quantity per package" — this column shows the maximum net quantity (mass or volume) of the article or substance allowed in each package for transport on a passenger aircraft. ~~The mass quoted is the net mass unless otherwise indicated by a letter "C"~~. Where a maximum net quantity appears beside a packing instruction prefixed by the letter "Y", this indicates it is the maximum net quantity permitted in a packaging containing limited quantities of dangerous goods unless indicated by a letter "G" where the mass quoted is the total mass of the package. The maximum quantity per package may be further limited by the type of packaging used. The maximum net quantities indicated may be exceeded only as permitted in the Supplement to these Instructions in S-3;2 with the approval of the appropriate national authority of the State of Origin and the State of the Operator.

Column 12 "Cargo aircraft — Packing instruction" — this column provides information similar to that in column 10, but for articles or substances which may be transported on a cargo aircraft only.

Column 13 "Cargo aircraft — Maximum net quantity per package" — this column provides information similar to that in column 11, but for articles or substances which may be transported on a cargo aircraft only. ~~The mass quoted is the net mass unless otherwise indicated by a letter "G"~~. The maximum quantity per package may be further limited by the type of packaging used. The maximum net quantities indicated do not apply to transport in portable tanks, as permitted in the Supplement to these Instructions, Part S-4, Chapter 12, with the approval of the appropriate authority of the State of Origin and the State of the Operator. The maximum net quantities indicated may be exceeded only as permitted in the Supplement to these Instructions in S-3;2 with the approval of the appropriate national authority of the State of Origin and the State of the Operator.

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<i>Abbreviation</i>	<i>Column</i>	<i>Meaning</i>
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G	11 and 13	Gross mass of package as prepared for transport
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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)

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Chapter 3

SPECIAL PROVISIONS

Parts of this Chapter are affected by State Variations AU 2, CA 7, CA 8, GB 3, IR 3, JM 1, NL 1, US 11, ZA 1; see Table A-1

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Table 3-2. Special provisions

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DGP/23-WP/3, paragraph 3.2.9.1 a):

A21

This entry only applies to vehicles ~~and equipment which are~~ 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 ~~and equipment~~ are electrically-powered cars, ~~lawn mowers, motorcycles, scooters, three- and four-wheeled vehicles or motorcycles, battery-assisted bicycles, wheelchairs, lawn tractors, boats and aircraft and other mobility aids.~~ 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 **Engines, internal combustion, flammable gas powered** or UN 3166 **Engines, 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.

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DGP/23-WP/3, paragraph 3.2.9:

- A32 Air bag inflators, air bag modules or seat-belt pretensioners ~~installed in conveyances or in completed conveyance components~~ 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. The words "not restricted" and the special provision number A32 must be provided on the air waybill when an air waybill is issued.

DGP/23-WP/3, paragraph 3.2.15:

- A44 The entry chemical kit or first aid kit is intended to apply to boxes, cases, etc., containing small quantities of ~~one or more compatible items 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, no packing group need 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.

DGP/23-WP/3, paragraph 3.2.12:

- A51 Irrespective of the limit specified in column 11 of Table 3-1, aircraft batteries up to a limit of 100 kg gross-net mass per package may be transported. Transport in accordance with this special provision must be noted on the dangerous goods transport document.

DGP/23-WP/3, paragraph 3.2.9:

- A68 (272) This substance must not be transported under the provisions of Division 4.1 unless specifically authorized by the appropriate national authority. (See UN 0143 or UN 0150 as appropriate.)

TIs UN

DGP/23-WP/3, paragraph 3.2.10:

A70 Internal combustion or fuel cell engines being shipped either separately or incorporated into a vehicle, machine or other apparatus, ~~the fuel tank of which has never contained any fuel and the fuel system of which is completely empty of fuel, or that are powered by a fuel that does not meet the classification criteria for any class or division, and~~ without batteries or other dangerous goods, are not subject to these Instructions: provided that:

a) for flammable liquid powered engines:

1) the engine is powered by a fuel that does not meet the classification criteria for any class or division; or

2) the fuel tank of the vehicle, machine or other apparatus has never contained any fuel or the fuel tank has been flushed and purged of vapours and adequate measures taken to nullify the hazard; and

3) the entire fuel system of the engine has no free liquid and all fuel lines are sealed or capped or securely connected to the engine and vehicle, machinery or apparatus.

b) for flammable gas powered internal combustion or fuel cell engines ~~being shipped without batteries or other dangerous goods either separately or incorporated into a vehicle, machine or other apparatus that have contained fuel but:~~

1) the entire fuel system must have been flushed, purged and filled with a non-flammable gas or fluid to nullify the hazard ~~are not subject to these Instructions provided that:~~

2) the final pressure of the non-flammable gas used to fill the system does not exceed 200 kPa at 20°C

a3) the shipper has made prior arrangements with the operator; and

b4) the shipper has provided the operator with written or electronic documentation stating that the flushing, purging and filling procedure has been followed and that the final contents of the engine(s) have been tested and verified to be non-flammable; and

c) the final pressure of the non-flammable gas used to fill the system does not exceed 200 kPa at 20°C.

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.

DGP/23-WP/3, paragraph 3.2.9:

A94 Batteries or cells containing sodium must not contain dangerous goods other than ~~sodium, sulphur and/or polysulphides~~ sodium, sulphur or sodium compounds (e.g. sodium polysulphides and sodium tetrachloroaluminate). Batteries or cells must not be offered for transport at a temperature such that liquid elemental sodium is present in the battery or cell unless approved and under the conditions established by the appropriate national authority.

Cells must consist of hermetically sealed metal casings which fully enclose the dangerous goods and which are so constructed and closed as to prevent the release of the dangerous goods under normal conditions of transport.

Batteries must consist of cells secured within and fully enclosed by a metal casing so constructed and closed as to prevent the release of the dangerous goods under normal conditions of transport.

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Corrigendum to UN Model Regulations
(Seventeenth revised Edition)
ST/SG/AC.20/1/Rev.17/Corr.1:

A115 (280) This entry applies to articles which are used as lifesaving vehicle air bag inflators, or air bag modules or seat belt pretensioners, and which contain dangerous goods of Class 1 or dangerous goods of other classes and when transported as component parts and when 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 ~~vessel~~ receptacle, no projection hazard and no thermal effect which would significantly hinder firefighting or other emergency response efforts in the immediate vicinity.

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DGP/23-WP/3, paragraph 3.2.9:

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 ~~or lithium batteries~~, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed.

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

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A146 (328) This entry applies to fuel cell cartridges including when contained in equipment or packed with equipment. Fuel cell cartridges installed in or integral to a fuel cell system are regarded as contained in equipment. Fuel cell cartridge means an article that stores fuel for discharge into the fuel cell through a valve(s) that controls the discharge of fuel into the fuel cell. Fuel cell cartridges, including when contained in equipment, must be designed and constructed to prevent fuel leakage under normal conditions of transport.

Fuel cell cartridge design types using liquids as fuels must pass an internal pressure test at a pressure of 100 kPa (gauge) without leakage.

Except for fuel cell cartridges containing hydrogen in metal hydride which must be in compliance with A162, each fuel cell cartridge design type, including fuel cell cartridges installed in or integral to a fuel cell system, must be shown to pass a 1.2 metre drop test onto an unyielding surface in the orientation most likely to result in failure of the containment system with no loss of contents.

When lithium metal or lithium ion batteries are contained in the fuel cell system, the consignment must be consigned under this entry and under the appropriate entries for UN 3091 **Lithium metal batteries contained in equipment** or UN 3481 **Lithium ion batteries contained in equipment**.

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A161 (338) Each fuel cell cartridge transported under this entry and designed to contain a liquefied flammable gas must:

- a) be capable of withstanding, without leakage or bursting, a pressure of at least two (2) times the equilibrium pressure of the contents at 55°C;
- b) not contain more than 200 mL of liquefied flammable gas, ~~with a~~ the vapour pressure of which must not exceed ~~ing~~ 1 000 kPa at 55°C; and

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c) pass the hot water bath test prescribed in 6;5.4.1.

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A176 (356) Metal hydride storage system(s) installed in ~~conveyances~~ vehicles, vessels or aircraft or in completed ~~conveyance~~ components or intended to be installed in ~~conveyances~~ vehicles, vessels or aircraft must be approved by the appropriate national authority before acceptance for transport. The dangerous goods transport document must include an indication that the package was approved by the appropriate national authority or a copy of the appropriate national authority approval must accompany each consignment.

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A184 (304) This entry may only be used for the transport of non-activated batteries which contain dry potassium hydroxide and which are intended to be activated prior to use by the addition of an appropriate amount of water to the individual cells.

A185 (360) Vehicles only powered by lithium metal batteries or lithium ion batteries must be consigned under the entry UN 3171 **Battery-powered vehicle.**

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:

a) capacitors not installed in equipment must be transported in an uncharged state. Capacitors installed in equipment must be transported either in an uncharged state or protected against short circuit;

b) each capacitor must be protected against a potential short circuit hazard in transport as follows:

i) when a capacitor's energy storage capacity is less than or equal to 10 Wh or when the energy storage capacity of each capacitor in a module is less than or equal to 10 Wh, the capacitor or module must be protected against short circuit or be fitted with a metal strap connecting the terminals; and

ii) When the energy storage capacity of a capacitor or a capacitor in a module is more than 10 Wh, the capacitor or module must be fitted with a metal strap connecting the terminals;

c) capacitors containing dangerous goods must be designed to withstand a 95 kPa pressure differential;

DGP/23-WP/3, paragraph 3.2.9 +
Corrigendum to UN Model Regulations
(Seventeenth revised Edition)
ST/SG/AC.20/1/Rev.17/Corr.1:

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

DGP/23-WP/3, paragraph 3.2.9:

e) capacitors must be marked with the energy storage capacity in Wh.

Capacitors containing an electrolyte not meeting the classification criteria of any class or division of dangerous goods, including 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 10 Wh or less are not subject to other provisions of these Instructions when they are capable of withstanding a 1.2 metre drop test unpackaged on an unyielding surface without loss of contents.

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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 10 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 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.— Capacitors which by design maintain a terminal voltage (e.g. asymmetrical capacitors) do not belong to this entry.

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:

i) the propellant;

ii) the liquid; or

iii) the solid.

If one of these components, which can be a pure substance or a mixture, needs to be classified as flammable, the chemical under pressure must be classified as flammable in Division 2.1. Flammable components are flammable liquids and liquid mixtures, flammable solids and solid mixtures or flammable gases and gas mixtures meeting the following criteria:

i) a flammable liquid is a liquid having a flashpoint of not more than 93 °C;

ii) a flammable solid is a solid which meets the criteria in 2:4.2.2 of these Instructions;

iii) a flammable gas is a gas which meets the criteria in 2:2.2.1 of these Instructions;

b) gases of Division 2.3 and gases with a subsidiary risk of 5.1 must not be used as a propellant in a chemical under pressure;

c) where the liquid or solid components are classified as dangerous goods of Division 6.1, Packing Groups II or III, or Class 8, Packing Groups II or III, the chemical under pressure must be assigned a subsidiary risk of Division 6.1 or Class 8 and the appropriate UN number must be assigned. Components classified in Division 6.1, Packing Group I, or Class 8, Packing Group I, must not be used for transport under this proper shipping name;

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;

A188 (359) Nitroglycerin solution in alcohol with more than 1 per cent but not more than 5 per cent nitroglycerin must be classified in Class 1 and assigned to UN 0144 if not all the requirements of Packing Instruction 371 are complied with.

A189 (364) This article may only be transported under the provisions of 3:4 if, as presented for transport, the package is capable of passing the test in accordance with Test Series 6(d) of Part I of the UN Manual of Tests and Criteria as determined by the appropriate national authority.

Chapter 4

DANGEROUS GOODS IN LIMITED QUANTITIES

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4.3 QUANTITY LIMITATIONS

4.3.1 The net quantity per package must not exceed the quantity specified in column 11 of Table 3-1 against the packing instruction number identified by the prefix letter "Y" in column 10.

4.3.2 The gross mass per package must not exceed 30 kg.

4.3.3 When different dangerous goods are contained in one outer packaging, the quantities of such dangerous goods must be so limited that:

DGP/23-WP/2, paragraph 3.2.12:

[a) for classes other than Classes 2 (except UN 2037, UN 3478 and UN 3479) and 9 (except UN 3316), the total net quantity in the package does not exceed the value of 1, where "Q" is calculated using the formula:

$$Q = \frac{n_1}{M_1} + \frac{n_2}{M_2} + \frac{n_3}{M_3} + \dots$$

where n_1, n_2 , etc., are the net quantities of the different dangerous goods and M_1, M_2 etc., are the maximum net quantities for these different dangerous goods shown in Table 3-1 against the relevant "Y" packing instructions; and

b) for Classes 2 (except UN 2037, UN 3478 and UN 3479) and 9:

- 1) when packed together without goods of other classes, the gross mass of the package does not exceed 30 kg; or
- 2) when packed together with goods of other classes, the gross mass of the package does not exceed 30 kg and the total net quantity in the package of goods other than in Classes 2 (except UN 2037, UN 3478 and UN 3479) or 9 (except UN 3316) does not exceed the value of 1 when calculated according to a) above.

c) carbon dioxide, solid (dry ice), UN 1845 may be packed together with goods of other classes, provided that the gross mass of the package does not exceed 30 kg. The quantity of dry ice does not need to be taken into account in the calculation of the "Q" value. However, the packaging containing the carbon dioxide, solid (dry ice) and the outer packaging must permit the release of carbon dioxide gas.

] 4.3.4 Where the different dangerous goods in the outer packaging consist only of those with the same UN number, packing group and physical state (i.e. solid or liquid), the calculation in 4.3.3 a) does not need to be made. However, the total net quantity in the package must not exceed the maximum net quantity according to Table 3-1.

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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 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.

— Note. — Packages prepared for transport before 31 December 2010 using the limited quantity "Y" packing instructions from the 2009-2010 Edition of these Instructions may be presented for transport until 31 March 2011 without the mark shown in Figure 3-1. In this case the package must be marked "limited quantity(ies)" or "LTD QTY".

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

5.1.3 Where dangerous goods in excepted quantities for which different codes are assigned are packaged together, the total quantity per outer packaging must be limited to that corresponding to the most restrictive Code.

DGP/23-WP/3, paragraph 3.2.9.1 c):

5.1.4 Excepted quantities of dangerous goods assigned to codes E1, E2, E4 [or] E5 are not subject to these Instructions provided that:

- a) the maximum net quantity of material per inner packaging is limited to 1 mL for liquids and gases and 1 g for solids;
- b) the provisions of 3:5.2 are met, except that an intermediate packaging is not required if the inner packagings are securely packed in an outer packaging with cushioning material in such a way that, under normal conditions of transport, they cannot break, be punctured, or leak their contents; and for liquid dangerous goods, the outer packaging contains sufficient absorbent material to absorb the entire contents of the inner packagings;
- c) the provisions of 3:5.3 are complied with; and
- d) the maximum net quantity of dangerous goods per outer packaging does not exceed 100 g for solids or 100 mL for liquids and gases.

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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
* Cartridges for weapons, inert projectile †	0012	1.4S		Explosive 1.4		☑		E0	☑ 130	☑ 25 kg	130	100 kg
≠ Cartridges for weapons, inert projectile †	0012	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges, small arms †	0012	1.4S		Explosive 1.4		☑		E0	☑ 130	☑ 25 kg	130	100 kg
≠ Cartridges, small arms †	0012	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges for weapons, blank †	0014	1.4S		Explosive 1.4		☑		E0	☑ 130	☑ 25 kg	130	100 kg
≠ Cartridges for weapons, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges, small arms, blank †	0014	1.4S		Explosive 1.4		☑		E0	☑ 130	☑ 25 kg	130	100 kg
≠ Cartridges, small arms, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
+ Cartridges for tools, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg [5 kg]	130	100 kg
* Cases, cartridge, empty, with primer †	0055	1.4S		Explosive 1.4		☑		E0	☑ 136	☑ 25 kg	136	100 kg
≠ Cases, cartridge, empty, with primer †	0055	1.4S		Explosive 1.4		A189		E0	136 Y1XX?	25 kg 5 kg?	136	100 kg
* Dimethyldichlorosilane	1162	3	8	Liquid flammable & Corrosive			II	☑ E2	☑ 377	☑ 1 L	377	5 L
≠ Dimethyldichlorosilane	1162	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Ethyltrichlorosilane	1196	3	8	Liquid flammable & Corrosive			II	☑ E2	☑ 377	☑ 1 L	377	5 L
≠ Ethyltrichlorosilane	1196	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	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
* Methyltrichlorosilane	1250	3	8	Liquid flammable & Corrosive	<input checked="" type="checkbox"/> AU 1 CA 7 GB 3 IR 3 NL 1 US 3		II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Methyltrichlorosilane	1250	3	8	Liquid flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3		II	E0	FORBIDDEN		377	5 L
* Trimethylchlorosilane	1298	3	8	Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Trimethylchlorosilane	1298	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Vinyltrichlorosilane	1305	3	8	Liquid flammable & Corrosive	<input checked="" type="checkbox"/> AU 1 CA 7 GB 3 IR 3 NL 1 US 3		II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Vinyltrichlorosilane	1305	3	8	Liquid flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3		II	E0	FORBIDDEN		377	5 L
<input checked="" type="checkbox"/> * Thallium compound, n.o.s.	1707	6.1		Toxic	US 4	A6	II	E4	669 Y644	25 kg 1 kg	676	100 kg
≠ Thallium compound, n.o.s.*	1707	6.1		Toxic	US 4	A6	II	E4	669 Y644	25 kg 1 kg	676	100 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"/> * Iodine monochloride	1792	8		Corrosive	<input checked="" type="checkbox"/> AU 1 CA 7 GB 3 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		863	50 kg
≠ Iodine monochloride, solid	1792	8		Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	E0	FORBIDDEN		863	50 kg
* Insecticide gas, n.o.s.*	1968	2.2		Gas non-flammable				E1	<input checked="" type="checkbox"/> 200 or 203 Y203	<input checked="" type="checkbox"/> 75 kg 30 kg G	<input checked="" type="checkbox"/> 200 or 203	150 kg
≠ Insecticide gas, n.o.s.*	1968	2.2		Gas non-flammable				E1	200	75 kg	200	150 kg
* Dimethyl disulphide	2381	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Liquid flammable			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 353 Y341	<input checked="" type="checkbox"/> 5 L 1 L	<input checked="" type="checkbox"/> 364	<input checked="" type="checkbox"/> 60 L
≠ Dimethyl disulphide	2381	3	6.1				II	E0	FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/> * Alkylsulphuric acids*	2571	8		Corrosive			II	E2	851 Y840	1 L 0.5 L	855	30 L
≠ Alkylsulphuric acids	2571	8		Corrosive			II	E2	851 Y840	1 L 0.5 L	855	30 L
* Batteries, wet, filled with acid, electric storage †	2794	8		Corrosive		A51 A164 A183		E0	870	<input checked="" type="checkbox"/> 30 kg G	870	No limit
≠ Batteries, wet, filled with acid, electric storage †	2794	8		Corrosive		A51 A164 A183		E0	870	30 kg	870	No limit
* Batteries, wet, filled with alkali, electric storage †	2795	8		Corrosive		A51 A164 A183		E0	870	<input checked="" type="checkbox"/> 30 kg G	870	No limit
≠ Batteries, wet, filled with alkali, electric storage †	2795	8		Corrosive		A51 A164 A183		E0	870	30 kg	870	No limit

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
* Mercury	2809	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Corrosive	US 4		III	E0	868	35 kg	868	35 kg
≠ Mercury	2809	8	6.1	Corrosive & Toxic	US 4		III	E0	868	35 kg	868	35 kg
* Chlorosilanes, flammable, corrosive, n.o.s.	2985	3	8	Liquid flammable & Corrosive			II	E2 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Chlorosilanes, flammable, corrosive, n.o.s.	2985	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Batteries, dry, containing potassium hydroxide solid, electric storage †	3028	8		Corrosive		<input checked="" type="checkbox"/> A183		E0	871	<input checked="" type="checkbox"/> 25 kg G	871	<input checked="" type="checkbox"/> 230 kg G
≠ Batteries, dry, containing potassium hydroxide solid, electric storage †	3028	8		Corrosive		A183 A184		E0	871	25 kg	871	230 kg
* Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin	3064	3		Liquid flammable	BE 3	<input checked="" type="checkbox"/>	II	E0	FORBIDDEN		371	5 L
≠ Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin	3064	3		Liquid flammable	BE 3	A188	II	E0	FORBIDDEN		371	5 L
* Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	968	<input checked="" type="checkbox"/> 2.5 kg G	968	<input checked="" type="checkbox"/> 35 kg G
≠ Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	968	2.5 kg	968	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 contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	✓ A48 A99 A154 A164 A181	II	E0	✓ see 970	✓ 970	✓ see 970	✓ 970
≠ 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 packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	✓ A99 A154 A164 A181	II	E0	✓ see 969	✓ 969	✓ see 969	✓ 969
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A181 A185	II	E0	969	5 kg	969	35 kg
✓ * Nitriles, toxic, liquid, n.o.s.*	3276	6.1		Toxic		A3 A4 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Nitriles, liquid, toxic, n.o.s.*	3276	6.1		Toxic		A3 A4 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
✓ * Organophosphorus compound, toxic, liquid, n.o.s.*	3278	6.1		Toxic		A3 A4 A6 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Organophosphorus compound, liquid, toxic, n.o.s.*	3278	6.1		Toxic		A3 A4 A6 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 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
<input checked="" type="checkbox"/>												
* Organometallic compound, toxic, liquid, n.o.s.*	3282	6.1		Toxic		A3 A4	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Organometallic compound, liquid, toxic, n.o.s.*	3282	6.1		Toxic		A3 A4	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
* Cells, containing sodium †	3292	4.3		Danger if wet		A94	II	E0	492	<input checked="" type="checkbox"/> 25 kg G	492	No limit
≠ Cells, containing sodium †	3292	4.3		Danger if wet		A94	II	E0	492	25 kg	492	No limit
* Aviation regulated liquid, n.o.s.*	3334	9		Miscellaneous		A27	III	E1	964 Y964	<input checked="" type="checkbox"/> No limit 30 kg G	964	<input checked="" type="checkbox"/> No limit
≠ Aviation regulated liquid, n.o.s.*	3334	9		Miscellaneous		A27	III	E1	964 Y964	450 L 30 kg G	964	450 L
* Aviation regulated solid, n.o.s.*	3335	9		Miscellaneous		A27	III	E1	956 Y956	<input checked="" type="checkbox"/> No limit 30 kg G	956	<input checked="" type="checkbox"/> No limit
≠ Aviation regulated solid, n.o.s.*	3335	9		Miscellaneous		A27	III	E1	956 Y956	400 kg 30 kg G	956	400 kg
* Chlorosilanes, toxic, corrosive, n.o.s.*	3361	6.1	8	Toxic & Corrosive			II	<input checked="" type="checkbox"/> E4	<input checked="" type="checkbox"/> 681	<input checked="" type="checkbox"/> 1 L	681	30 L
≠ Chlorosilanes, toxic, corrosive, n.o.s.*	3361	6.1	8	Toxic & Corrosive			II	E0	FORBIDDEN		681	30 L
* Chlorosilanes, toxic, corrosive, flammable, n.o.s.*	3362	6.1	3 8	Toxic & Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E4	<input checked="" type="checkbox"/> 681	<input checked="" type="checkbox"/> 1 L	681	30 L
≠ Chlorosilanes, toxic, corrosive, flammable, n.o.s.*	3362	6.1	3 8	Toxic & Liquid flammable & Corrosive			II	E0	FORBIDDEN		681	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
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3381	6.1							FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3381	6.1							FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3382	6.1							FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3382	6.1							FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3383	6.1	3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3383	6.1	3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3384	6.1	3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3384	6.1	3						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"/>												
* Toxic by inhalation liquid, water-reactive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3385	6.1	4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3385	6.1	4.3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3386	6.1	4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3386	6.1	4.3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, oxidizing, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3387	6.1	5.1						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, oxidizing, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3387	6.1	5.1						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, oxidizing, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3388	6.1	5.1						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, oxidizing, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3388	6.1	5.1						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"/>												
* Toxic by inhalation liquid, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3389	6.1	8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3389	6.1	8						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3390	6.1	8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3390	6.1	8						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Nitriles, toxic, solid, n.o.s.*	3439	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Nitriles, solid, toxic, n.o.s.*	3439	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
<input checked="" type="checkbox"/>												
* Organophosphorus compound, toxic, solid, n.o.s.*	3464	6.1		Toxic		A3 A5 A6	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Organophosphorus compound, solid, toxic, n.o.s.*	3464	6.1		Toxic		A3 A5 A6	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 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
<input checked="" type="checkbox"/>												
* Organometallic compound, toxic, solid, n.o.s.*	3467	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Organometallic compound, solid, toxic, n.o.s.*	3467	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
* Hydrogen in a metal hydride storage system	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 kg
* Hydrogen in a metal hydride storage system contained in equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system contained in equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 kg
* Hydrogen in a metal hydride storage system packed with equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system packed with equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 kg
* Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous		A88 A99 A154 A164 A183	II	E0	965	<input checked="" type="checkbox"/> 5 kg G	965	<input checked="" type="checkbox"/> 35 kg G
≠ Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous		A88 A99 A154 A164 A183	II	E0	965	5 kg	965	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 ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		✓ A48 A99 A154 A164 A181	II	E0	✓ see 967	✓ 967	✓ see 967	✓ 967
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		A48 A99 A154 A164 A181 A185	II	E0	967	5 kg	967	35 kg
* Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		✓ A88 A99 A154 A164 A181	II	E0	✓ see 966	✓ 966	✓ see 966	✓ 966
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		A88 A99 A154 A164 A181 A185	II	E0	966	5 kg	966	35 kg
✓ * Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3488	6.1	3 8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3488	6.1	3 8						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"/>												
* Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3489	6.1	3 8								FORBIDDEN	FORBIDDEN
≠ Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3489	6.1	3 8								FORBIDDEN	FORBIDDEN
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3490	6.1	3 4.3								FORBIDDEN	FORBIDDEN
≠ Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3490	6.1	3 4.3								FORBIDDEN	FORBIDDEN
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3491	6.1	3 4.3								FORBIDDEN	FORBIDDEN
≠ Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3491	6.1	3 4.3								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"/>
* Toxic by inhalation liquid, corrosive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3492	6.1	3 8								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"/>	<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"/>
* Toxic by inhalation liquid, corrosive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3493	6.1	3 8						FORBIDDEN		FORBIDDEN	
>												
+ Iodine monochloride, liquid	3498	8		Corrosive			II	E2	851	1.0 L	855	30 L
+ 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
+ Chemical under pressure, n.o.s.*	3500	2.2		Gas non-flammable		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, n.o.s.*	3501	2.1		Gas flammable		A187		E0	see 218		see 218	
+ Chemical under pressure, toxic, n.o.s.*	3502	2.2	6.1	Gas non-flammable & Toxic		A187		E0	see 218		see 218	
+ Chemical under pressure, corrosive, n.o.s.*	3503	2.2	8	Gas non-flammable & Corrosive		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, toxic, n.o.s.*	3504	2.1	6.1	Gas flammable & Toxic		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, corrosive, n.o.s.*	3505	2.1	8	Gas flammable & Corrosive		A187		E0	see 218		see 218	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
* Mercury contained in manufactured articles	2809	8		Corrosive		A48 A69	III	E0	869	No limit	869	No limit
≠ Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69	III	E0	869	No limit	869	No limit

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"/> * Alkylsulphuric acids*	2571	8		Corrosive			II	E2	851 Y840	1 L 0.5 L	855	30 L
≠ Alkylsulphuric acids	2571	8		Corrosive			II	E2	851 Y840	1 L 0.5 L	855	30 L
* Aviation regulated liquid, n.o.s.*	3334	9		Miscellaneous		A27	III	E1	964 Y964	<input checked="" type="checkbox"/> No limit 30 kg G	964	<input checked="" type="checkbox"/> No limit
≠ Aviation regulated liquid, n.o.s.*	3334	9		Miscellaneous		A27	III	E1	964 Y964	450 L 30 kg G	964	450 L
* Aviation regulated solid, n.o.s.*	3335	9		Miscellaneous		A27	III	E1	956 Y956	<input checked="" type="checkbox"/> No limit 30 kg G	956	<input checked="" type="checkbox"/> No limit
≠ Aviation regulated solid, n.o.s.*	3335	9		Miscellaneous		A27	III	E1	956 Y956	400 kg 30 kg G	956	400 kg
* Batteries, dry, containing potassium hydroxide solid, electric storage †	3028	8		Corrosive		<input checked="" type="checkbox"/> A183		E0	871	<input checked="" type="checkbox"/> 25 kg G	871	<input checked="" type="checkbox"/> 230 kg G
≠ Batteries, dry, containing potassium hydroxide solid, electric storage †	3028	8		Corrosive		A183 A184		E0	871	25 kg	871	230 kg
* Batteries, wet, filled with acid, electric storage †	2794	8		Corrosive		A51 A164 A183		E0	870	<input checked="" type="checkbox"/> 30 kg G	870	No limit
≠ Batteries, wet, filled with acid, electric storage †	2794	8		Corrosive		A51 A164 A183		E0	870	30 kg	870	No limit
* Batteries, wet, filled with alkali, electric storage †	2795	8		Corrosive		A51 A164 A183		E0	870	<input checked="" type="checkbox"/> 30 kg G	870	No limit
≠ Batteries, wet, filled with alkali, electric storage †	2795	8		Corrosive		A51 A164 A183		E0	870	30 kg	870	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
+ Cartridges for tools, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg [5 kg]	130	100 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
* Cartridges for weapons, blank †	0014	1.4S		Explosive 1.4		✓			✓	✓	130	100 kg
≠ Cartridges for weapons, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges for weapons, inert projectile †	0012	1.4S		Explosive 1.4		✓			✓	✓	130	100 kg
≠ Cartridges for weapons, inert projectile †	0012	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges, small arms †	0012	1.4S		Explosive 1.4		✓			✓	✓	130	100 kg
≠ Cartridges, small arms †	0012	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cartridges, small arms, blank †	0014	1.4S		Explosive 1.4		✓			✓	✓	130	100 kg
≠ Cartridges, small arms, blank †	0014	1.4S		Explosive 1.4		A189		E0	130 Y1XX?	25 kg 5 kg?	130	100 kg
* Cases, cartridge, empty, with primer †	0055	1.4S		Explosive 1.4		✓			✓	✓	136	100 kg
≠ Cases, cartridge, empty, with primer †	0055	1.4S		Explosive 1.4		A189		E0	136 Y1XX?	25 kg 5 kg?	136	100 kg
* Cells, containing sodium †	3292	4.3		Danger if wet		A94	II	E0	492	✓ 25 kg G	492	No limit
≠ Cells, containing sodium †	3292	4.3		Danger if wet		A94	II	E0	492	25 kg	492	No limit
+ Chemical under pressure, n.o.s.*	3500	2.2		Gas non-flammable		A187		E0	see 218		see 218	
+ Chemical under pressure, corrosive, n.o.s.*	3503	2.2	8	Gas non-flammable & Corrosive		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, n.o.s.*	3501	2.1		Gas flammable		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, corrosive, n.o.s.*	3505	2.1	8	Gas flammable & Corrosive		A187		E0	see 218		see 218	
+ Chemical under pressure, flammable, toxic, n.o.s.*	3504	2.1	6.1	Gas flammable & Toxic		A187		E0	see 218		see 218	
+ Chemical under pressure, toxic, n.o.s.*	3502	2.2	6.1	Gas non-flammable & Toxic		A187		E0	see 218		see 218	

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
* Chlorosilanes, flammable, corrosive, n.o.s.	2985	3	8	Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Chlorosilanes, flammable, corrosive, n.o.s.	2985	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Chlorosilanes, toxic, corrosive, n.o.s.*	3361	6.1	8	Toxic & Corrosive			II	<input checked="" type="checkbox"/> E4	<input checked="" type="checkbox"/> 681	<input checked="" type="checkbox"/> 1 L	681	30 L
≠ Chlorosilanes, toxic, corrosive, n.o.s.*	3361	6.1	8	Toxic & Corrosive			II	E0	FORBIDDEN		681	30 L
* Chlorosilanes, toxic, corrosive, flammable, n.o.s.*	3362	6.1	3 8	Toxic & Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E4	<input checked="" type="checkbox"/> 681	<input checked="" type="checkbox"/> 1 L	681	30 L
≠ Chlorosilanes, toxic, corrosive, flammable, n.o.s.*	3362	6.1	3 8	Toxic & Liquid flammable & Corrosive			II	E0	FORBIDDEN		681	30 L
* Dimethyldichlorosilane	1162	3	8	Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Dimethyldichlorosilane	1162	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Dimethyl disulphide	2381	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Liquid flammable			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 353 <input checked="" type="checkbox"/> Y341	<input checked="" type="checkbox"/> 5 L <input checked="" type="checkbox"/> 1 L	<input checked="" type="checkbox"/> 364	<input checked="" type="checkbox"/> 60 L
≠ Dimethyl disulphide	2381	3	6.1				II	E0	FORBIDDEN		FORBIDDEN	
* Ethyltrichlorosilane	1196	3	8	Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Ethyltrichlorosilane	1196	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Hydrogen in a metal hydride storage system	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 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
* Hydrogen in a metal hydride storage system contained in equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system contained in equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 kg
* Hydrogen in a metal hydride storage system packed with equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	<input checked="" type="checkbox"/> 100 kg G
≠ Hydrogen in a metal hydride storage system packed with equipment	3468	2.1		Gas flammable		A1 A143 A176		E0	FORBIDDEN		214	100 kg
* Insecticide gas, n.o.s.*	1968	2.2		Gas non-flammable				E1	<input checked="" type="checkbox"/> 200 or 203 Y203	<input checked="" type="checkbox"/> 75 kg 30 kg G	<input checked="" type="checkbox"/> 200 or 203	150 kg
≠ Insecticide gas, n.o.s.*	1968	2.2		Gas non-flammable				E1	200	75 kg	200	150 kg
+ Iodine monochloride, liquid	3498	8		Corrosive			II	E2	851	1.0 L	855	30 L
<input checked="" type="checkbox"/> * Iodine monochloride	1792	8		Corrosive	<input checked="" type="checkbox"/>	AU 1 CA 7 GB 3 IR 3 NL 1 US 3	II	E0	FORBIDDEN		863	50 kg
≠ Iodine monochloride, solid	1792	8		Corrosive		AU 1 CA 7 IR 3 NL 1 US 3	II	E0	FORBIDDEN		863	50 kg
* Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous		A88 A99 A154 A164 A183	II	E0	965	<input checked="" type="checkbox"/> 5 kg G	965	<input checked="" type="checkbox"/> 35 kg G
≠ Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous		A88 A99 A154 A164 A183	II	E0	965	5 kg	965	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 ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		<input checked="" type="checkbox"/> A48 A99 A154 A164 A181	II	E0	<input checked="" type="checkbox"/> see 967	<input checked="" type="checkbox"/> 967	<input checked="" type="checkbox"/> see 967	<input checked="" type="checkbox"/> 967
≠ Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		A48 A99 A154 A164 A181 A185	II	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"/> A88 A99 A154 A164 A181	II	E0	<input checked="" type="checkbox"/> see 966	<input checked="" type="checkbox"/> 966	<input checked="" type="checkbox"/> see 966	<input checked="" type="checkbox"/> 966
≠ Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous		A88 A99 A154 A164 A181 A185	II	E0	966	5 kg	966	35 kg
* Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	968	<input checked="" type="checkbox"/> 2.5 kg G	968	<input checked="" type="checkbox"/> 35 kg G
≠ Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	II	E0	968	2.5 kg	968	35 kg

Chapter 2

3-2-7

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 contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181	II	E0	see 970	see 970	see 970	see 970
≠ 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 packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181	II	E0	see 969	see 969	see 969	see 969
≠ Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A181 A185	II	E0	969	5 kg	969	35 kg
* Mercury	2809	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Corrosive	US 4		III	E0	868	35 kg	868	35 kg
≠ Mercury	2809	8	6.1	<input checked="" type="checkbox"/> Corrosive & Toxic	US 4		III	E0	868	35 kg	868	35 kg
<input checked="" type="checkbox"/> * Mercury contained in manufactured articles	<input checked="" type="checkbox"/> 2809	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Corrosive		A48 A69	III	E0	869	No limit	869	No limit
≠ Mercury contained in manufactured articles	3506	8	6.1	<input checked="" type="checkbox"/> Corrosive & Toxic		A48 A69	III	E0	869	No limit	869	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
* Methyltrichlorosilane	1250	3	8	Liquid flammable & Corrosive	<input checked="" type="checkbox"/> AU 1 CA 7 GB 3 IR 3 NL 1 US 3		II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Methyltrichlorosilane	1250	3	8	Liquid flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3		II	E0	FORBIDDEN		377	5 L
<input checked="" type="checkbox"/> * Nitriles, toxic, liquid, n.o.s.*	3276	6.1		Toxic		A3 A4 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Nitriles, liquid, toxic, n.o.s.*	3276	6.1		Toxic		A3 A4 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
<input checked="" type="checkbox"/> * Nitriles, toxic, solid, n.o.s.*	3439	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Nitriles, solid, toxic, n.o.s.*	3439	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
* Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin	3064	3		Liquid flammable	BE 3	<input checked="" type="checkbox"/>	II	E0	FORBIDDEN		371	5 L
≠ Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin	3064	3		Liquid flammable	BE 3	A188	II	E0	FORBIDDEN		371	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
<input checked="" type="checkbox"/>												
* Organometallic compound, toxic, liquid, n.o.s.*	3282	6.1		Toxic		A3 A4	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Organometallic compound, liquid, toxic, n.o.s.*	3282	6.1		Toxic		A3 A4	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
<input checked="" type="checkbox"/>												
* Organometallic compound, toxic, solid, n.o.s.*	3467	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Organometallic compound, solid, toxic, n.o.s.*	3467	6.1		Toxic		A3 A5	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
<input checked="" type="checkbox"/>												
* Organophosphorus compound, toxic, liquid, n.o.s.*	3278	6.1		Toxic		A3 A4 A6 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
≠ Organophosphorus compound, liquid, toxic, n.o.s.*	3278	6.1		Toxic		A3 A4 A6 A137	I II III	E5 E4 E1	652 654 Y641 655 Y642	1 L 5 L 1 L 60 L 2 L	658 662 663	30 L 60 L 220 L
<input checked="" type="checkbox"/>												
* Organophosphorus compound, toxic, solid, n.o.s.*	3464	6.1		Toxic		A3 A5 A6	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 200 kg
≠ Organophosphorus compound, solid, toxic, n.o.s.*	3464	6.1		Toxic		A3 A5 A6	I II III	E5 E4 E1	666 669 Y644 670 Y645	5 kg 25 kg 1 kg 100 kg 10 kg	673 676 677	50 kg 100 kg 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
<input checked="" type="checkbox"/>												
* Thallium compound, n.o.s.	1707	6.1		Toxic	US 4	A6	II	E4	669 Y644	25 kg 1 kg	676	100 kg
≠ Thallium compound, n.o.s.*	1707	6.1		Toxic	US 4	A6	II	E4	669 Y644	25 kg 1 kg	676	100 kg
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3382	6.1							FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3382	6.1							FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3381	6.1							FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3381	6.1							FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3389	6.1	8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3389	6.1	8						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3390	6.1	8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3390	6.1	8						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"/>	<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"/>
* Toxic by inhalation liquid, corrosive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3492	6.1	3 8						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"/>
* Toxic by inhalation liquid, corrosive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3493	6.1	3 8						FORBIDDEN		FORBIDDEN	
>												
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3383	6.1	3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3383	6.1	3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3384	6.1	3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3384	6.1	3						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"/>												
* Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3488	6.1	3 8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3488	6.1	3 8						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3489	6.1	3 8						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, flammable, corrosive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3489	6.1	3 8						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, oxidizing, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3387	6.1	5.1						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, oxidizing, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3387	6.1	5.1						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, oxidizing, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3388	6.1	5.1						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, oxidizing, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3388	6.1	5.1						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"/>												
* Toxic by inhalation liquid, water-reactive, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3386	6.1	4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3386	6.1	4.3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3385	6.1	4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3385	6.1	4.3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3490	6.1	3 4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3490	6.1	3 4.3						FORBIDDEN		FORBIDDEN	
<input checked="" type="checkbox"/>												
* Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an inhalation toxicity lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3491	6.1	3 4.3						FORBIDDEN		FORBIDDEN	
≠ Toxic by inhalation liquid, water-reactive, flammable, n.o.s.* with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3491	6.1	3 4.3						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
* Trimethylchlorosilane	1298	3	8	Liquid flammable & Corrosive			II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Trimethylchlorosilane	1298	3	8	Liquid flammable & Corrosive			II	E0	FORBIDDEN		377	5 L
* Vinyltrichlorosilane	1305	3	8	Liquid flammable & Corrosive	<input checked="" type="checkbox"/> AU 1 CA 7 GB 3 IR 3 NL 1 US 3		II	<input checked="" type="checkbox"/> E2	<input checked="" type="checkbox"/> 377	<input checked="" type="checkbox"/> 1 L	377	5 L
≠ Vinyltrichlorosilane	1305	3	8	Liquid flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3		II	E0	FORBIDDEN		377	5 L