International Civil Aviation Organization

WORKING PAPER

DGP/30-WP/13
10/7/25
English only

DANGEROUS GOODS PANEL (DGP)

THIRTIETH MEETING

Montréal, 6 to 10 October 2025

Agenda Item 1: Harmonizing ICAO dangerous goods provisions with UN Recommendations on the Transport of Dangerous Goods (REC-A-DGS-2027)

1.2: Develop proposals, if necessary, for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2027-2028 Edition

AMENDMENTS TO PART 3 OF THE TECHNICAL INSTRUCTIONS DEVELOPED BY DGP WG/24 AND DGP-WG/25

(Presented by DGP-WG/UN Harmonization)

SUMMARY

This working paper contains consolidated draft amendments to Part 3 of the Technical Instructions developed by the Working Group of the DGP in 2024 (DGP-WG/2024) and 2025 (DGP-WG/2025). The amendments:

a) 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 twelfth session to amend the 23rd revised edition of the UN Model Regulations (Geneva, 6 December 2024); and

b) facilitate transport or state oversight; and

c) address issues related to energy storage devices.

The DGP Working Group on UN Harmonization (DGP-WG/UN Harmonization) conducted an extensive review of the amendments to Part 3 proposed for the sake of harmonization with the UN Recommendations by DGP-WG/2025. It identified a need for the panel to consider the following revisions:

a) Provisions for UN 3363 — **Dangerous goods in apparatus** or **Dangerous goods in machinery** or **Dangerous goods in articles** to contain lithium cells or batteries or sodium ion cells or batteries are added to Special Provision A107 to align with an amendment to special provision 301 of the UN Model Regulations. DGP-WG/UN Harmonization recommends replacing a reference to Section II of Packing Instructions 967, 970 and 978 proposed at DGP-WG/25 with a reference to Packing Instruction 962, the packing instruction assigned to UN 3363, and to duplicate the applicable parts of Section II from these packing instructions into it (see also DGP-WP/30-WP/14).

b) Special Provision 132, which requires a substance to be protected from heat, was assigned to UN 2029 – **Hydrazine, anhydrous** in the UN Model Regulations to address a risk associated with cylinders. DGP-WG/UN Harmonization recommends against assigning the similar provision to UN 2029 (Special Provision A20), given that cylinders are not permitted for UN 2029 when transported by air;

c) DGP-WG/UN Harmonization recommends removing the assignment of new Special Provision A235, requiring hybrid batteries containing both lithium ion cells and sodium ion cells to be assigned to the appropriate lithium ion entry, from UN 3536 —**Lithium ion batteries installed in cargo transport unit**, 3563 — **Lithium metal batteries installed in cargo transport unit** and UN 3564 — **Sodium ion batteries installed in cargo transport unit**, given that these articles are forbidden for transport by air. DGP-WG/UN Harmonization discussed whether the special provision should be assigned to these entries in the Supplement, but concluded that a deeper review of how special provisions are handled for substances forbidden on both passenger and cargo aircraft was needed as there appear to be inconsistencies;

d) DGP-WG/UN Harmonization recommends the addition of a requirement for transport in accordance with proposed new Special Provision A239 to be noted on the dangerous goods transport document and for a reference to A239 to be added to the list of special provisions that need to be included on the dangerous goods document in 5;4.1.5.8.1 b) (see also DGP/30-WP/15);

e) DGP-WG/UN Harmonization recommends replacing several cross references to UN 2941 — **Fluoroanilines** in Table 3-1 with references to generic entries, given that the entry for UN 2941 was deleted.

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

Part 3

DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND LIMITED AND EXCEPTED QUANTITIES

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Chapter 2

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

See Appendices A (alphabetical order) and B (UN number order) for proposed amendments to Table 3-1.

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Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

TIs	*UN*

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UN harmonization amendments

Paragraph 4.1.2.1.4.1 e) of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 145 (see ST/SG/AC.10/52/Add.1):

A9	(≈145)	Alcoholic beverages ~~containing~~ with more than 24 per cent but not more than 70 per cent alcohol by volume, when packed in receptacles of 5 litres or less, are not subject to these Instructions when carried as cargo.

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 119 (see ST/SG/AC.10/52/Add.1):

A26 (119) Refrigerating machines include air conditioning units and machines or other appliances which have been designed for the specific purpose of keeping food or other items at low temperature in an internal compartment. Heating machines include machines or other appliances which have been designed for the specific purpose of heating. Refrigerating or heating machines and ~~refrigerating machine~~ their components are considered not subject to these Instructions if containing less than 12 kg of a gas in Division 2.2 or if containing less than 12 L ammonia solution (UN 2672). Machines or other appliances that are used to perform heating and cooling functions may be transported either as "**Refrigerating machines**" or "**Heating machines**"

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 172 (see ST/SG/AC.10/52/Add.1):

A78 (≈172) Where a radioactive material has a subsidiary hazard(s):

a) The substance must be allocated to Packing Group I, II or III, if appropriate, by application of the packing group criteria provided in Part 2 corresponding to the nature of the predominant subsidiary hazard.

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

c) For the purposes of documentation and package marking, the proper shipping name must be supplemented with the name of the constituents which most predominantly contribute to ~~this~~ each subsidiary hazard(s) and which must be enclosed in parenthesis. However, where the constituent is listed by name in Table 3-1 and:

   i) "forbidden" is shown in columns 10 and 11, the dangerous goods transport document must indicate Cargo Aircraft Only and the package must bear cargo aircraft only labels, except that the substance may be shipped on a passenger aircraft with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the conditions established by those authorities. A copy of the document of approval, showing the quantity limitations and the packaging requirements, must accompany the consignment; and

   ii) "forbidden" is shown in columns 12 and 13, the substance is forbidden for transport by air except that the substance may be shipped on a cargo aircraft with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the conditions established by those authorities. A copy of the document of approval, showing the quantity limitations and the packaging requirements, must accompany the consignment.

   Radioactive material with a subsidiary hazard of Division 4.2 in Packing Group I must be transported in Type B packages. These may be transported on passenger or cargo aircraft.

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

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1.4.1 f) of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 405 (see ST/SG/AC.10/52/Add.1):

A87 Articles which are not fully enclosed by packaging, crates or other means that prevent ready identification are not subject to the marking requirements of 5;2 or the labelling requirements of 5;3.

Amendments to manage safety risks posed by energy storage device provisions

See paragraph 4.4.2 of DGP-WG/25 report:

A88 Pre-production prototypes of lithium cells or batteries, or sodium ion cells or batteries, when these prototypes are transported for testing or ~~low~~ annual production runs ~~(that is, annual production runs consisting of not more than 100 lithium cells or batteries, or sodium ion cells or batteries)~~ of not more than 100 lithium cells or batteries, or sodium ion cells or batteries 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 State of the Operator and the requirements in Packing Instruction 910 of the Supplement are met.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 291 (see ST/SG/AC.10/52/Add.1):

A103 (≈291) Flammable liquefied gases must be contained within refrigerating or heating machine components. These components must be designed and tested to at least three times the working pressure of the machinery. ~~The r~~Refrigerating or heating machines must be designed and constructed to contain the liquefied gas and preclude the risk of bursting or cracking of the pressure-retaining components during normal conditions of transport. Refrigerating or heating machines and ~~refrigerating machine~~ their components are considered not subject to these Instructions if containing less than 100 g flammable, non-toxic, liquefied gas. Machines that are used to perform heating and cooling functions may be transported either as "**Refrigerating machines**" or "**Heating machines**".

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 301 (see ST/SG/AC.10/52/Add.1):

See also proposed amendment to Packing Instruction 962

DGP-WG/UN Harmonization recommends replacing the reference to Section II of Packing Instructions 967, 970 and 978 in new paragraph b) proposed at DGP-WG/25 with a reference to Packing Instruction 962, the packing instruction assigned to UN 3363 and to duplicate the applicable parts of Section II from these packing instructions into it (see also DGP-WP/30-WP/14).

A107 (≈301) This entry only applies to articles such as machinery, apparatus or devices containing dangerous goods as a residue or as an integral element of the articles. It must not be used for articles for which a proper shipping name already exists in Table 3-1. Such articles may in addition contain lithium cells or batteries or sodium ion cells or batteries, provided that the cells or batteries:

a) provide electrical power for the operation of the article; and

b) meet the requirements for batteries contained in Packing Instruction 962.

Articles containing no other dangerous goods than cells or batteries must be transported under UN 3091, UN 3481 or UN 3552, as appropriate.

Where the quantity of dangerous goods exceeds the limits permitted by Packing Instruction 962, and the dangerous goods meet the provisions of Special Provision 301 of the UN Model Regulations, the articles may be transported only with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the written conditions established by those authorities.

Notwithstanding the quantities specified in Packing Instruction 962, articles may also contain up to 5 kg of UN 3077 – **Environmentally hazardous substance, solid, n.o.s.** and/or 5 L of UN 3082 – **Environmentally hazardous substance, liquid, n.o.s.** The quantity of environmentally hazardous substance must not be indicated on the dangerous goods transport document.

Articles containing only UN 3077 – **Environmentally hazardous substance, solid, n.o.s.** and/or UN 3082 – **Environmentally hazardous substance, liquid, n.o.s.** in quantities not exceeding 5 kg or 5 L, respectively, are not subject to these Instructions.

Note.— Where the quantity of dangerous goods in the article exceeds the quantity permitted by Special Provision 301 of the UN Model Regulations, or the dangerous goods are not permitted as limited quantity by the UN Model Regulations, classification of the article must be in accordance with Part 2, Introductory Chapter, 6.1 to 6.6.

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 280 (see ST/SG/AC.10/52/Add.1):

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

This entry does not apply to life saving appliances ~~described in Packing Instruction 955~~ (UN Nos. 2990 and 3072) or to fire suppressant dispersing devices (UN Nos. 0514 and 3559). However, this entry may be used for safety devices of Class 9 transported for installation in life-saving appliances (UN 2990) in accordance with Packing Instruction 955.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 360 (see ST/SG/AC.10/52/Add.1):

A185 (360) Vehicles only powered by lithium metal, lithium ion or sodium ion batteries must be assigned to UN 3556 **Vehicle, lithium ion battery powered** or UN 3557 **Vehicle, lithium metal battery powered** or UN 3558 **Vehicle, sodium ion battery powered**, as applicable. Vehicles powered only by hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) must be assigned to the entry UN 3556 **Vehicle, lithium ion battery powered**.

Lithium batteries, sodium ion batteries or hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) installed in cargo transport units, designed only to provide power external to the transport unit must be assigned to UN 3536 **Lithium ion batteries installed in cargo transport unit**, UN 3563 **Lithium metal batteries installed in cargo transport unit** or UN 3564 **Sodium ion batteries installed in cargo transport unit**, as applicable.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 387 (see ST/SG/AC.10/52/Add.1):

A213 (387) Lithium batteries in conformity with 2;9.3 f) containing both primary lithium metal cells and rechargeable lithium ion cells must be assigned to UN Nos. 3090 or 3091 as appropriate. When such batteries are transported in accordance with Section IB of Packing Instruction 968 or in accordance with Section II of Packing Instruction 969 or 970, the total lithium content of all lithium metal cells contained in the battery must not exceed 1.5 g, and the total ~~capacity~~ watt-hour rating of all lithium ion cells contained in the battery must not exceed 10 Wh.

TIs *UN*

UN harmonization amendments

Paragraphs 4.1.2.5 of DGP-WG/24 report and 4.1.2.1.4.1 g) of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 388 (see ST/SG/AC.10/52/Add.1):

See also proposed amendment to Packing Instructions 950, 951 and 952

A214 (388) UN No. 3166 entries apply to vehicles powered by flammable liquid or flammable gas internal combustion engines or fuel cells.

Vehicles powered by a fuel cell engine must be assigned to UN 3166 **Vehicle, fuel cell, flammable gas powered** or UN 3166 **Vehicle, 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~~ nickel-metal hydride batteries, metallic sodium batteries, sodium alloy batteries, lithium metal batteries, lithium ion batteries, hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) or sodium ion batteries, transported with the battery(ies) installed.

Other vehicles which contain an internal combustion engine must be assigned to 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, lithium metal batteries or lithium ion batteries~~ nickel-metal hydride batteries, metallic sodium batteries, sodium alloy batteries, lithium metal batteries, lithium ion batteries, hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) or sodium ion batteries, transported with the battery(ies) installed.

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**.

Entry UN 3171 only applies to vehicles and equipment powered by wet batteries, metallic sodium batteries or sodium alloy batteries transported with these batteries installed.

UN 3556 **Vehicle, lithium ion battery powered**, UN 3557 **Vehicle, lithium metal battery powered** and UN 3558 **Vehicle, sodium ion battery powered**, as applicable, apply to vehicles powered by lithium ion, lithium metal or sodium ion batteries transported with the batteries installed. Vehicles powered only by hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) must be assigned to the entry UN 3556 **Vehicle, lithium ion battery powered**.

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, scooters, three- and four-wheeled vehicles or motorcycles, trucks, locomotives, bicycles (pedal cycles with a motor) and other vehicles of this type (such as 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. When vehicles are transported in a packaging, some parts of the vehicle, other than the battery, may be detached from their 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 or sodium ion batteries must be assigned to 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** or UN 3552 **Sodium ion batteries contained in equipment** or UN 3552 **Sodium ion batteries packed with equipment**, as appropriate. Lithium ion batteries ~~or~~, lithium metal batteries, hybrid batteries containing both lithium ion cells and sodium ion cells in accordance with 2;9.3 h) or sodium ion batteries installed in a cargo transport unit and designed only to provide power external to the cargo transport unit must be assigned to UN 3536 **Lithium ion batteries installed in cargo transport unit**, UN 3563 **Lithium metal batteries installed in cargo transport unit** or UN 3564 **Sodium ion batteries installed in cargo transport unit**, as appropriate.

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 393 (see ST/SG/AC.10/52/Add.1):

A216 (393) The nitrocellulose must meet the criteria of the Bergmann-Junk test or methyl violet paper test in the UN *Manual of Tests and Criteria* Appendix 10. Tests of type 3 (c) need not be applied to dry or unmodified nitrocellulose.

UN harmonization amendments

DGP-WG/UN Harmonization identified the need to incorporate sodium ion cells or batteries into Special Provision A224 to align with the amendment to Part 2;0.6.2 proposed in DGP/30-WP/12

UN Model Regulations, Chapter 2.0, 2.0.5.2 (see ST/SG/AC.10/52/Add.1)

A224 UN 3548 – **Articles containing miscellaneous dangerous goods, n.o.s.** may be transported on passenger and cargo aircraft irrespective of the indication of "forbidden" in columns 10 to 13 of Table 3-1, provided that:

a) with the exception of lithium cells or batteries and sodium ion cells or batteries that comply with Section II of Packing Instruction 967 ~~or~~, Section II of Packing Instruction 970 or Section II of Packing Instruction 978, as applicable, the only dangerous goods contained in the article is an environmentally hazardous substance;

b) the articles are packed in accordance with Packing Instruction 975; and

c) reference to Special Provision A224 is made on the dangerous goods transport document as required by Part 5;4.1.5.8.

All other provisions of these Instructions apply. If the above conditions are met, the requirements of Special Provision A2 do not apply.

UN harmonization amendments

DGP-WG/UN Harmonization identified the need to incorporate sodium ion cells or batteries into Special Provision A225 to align with the amendment to Part 2;0.6.2 proposed in DGP/30-WP/12

UN Model Regulations, Chapter 2.0, 2.0.5.2 (see ST/SG/AC.10/52/Add.1)

A225 UN 3538 – **Articles containing non-flammable, non-toxic gas, n.o.s.** may be transported on passenger and cargo aircraft irrespective of the indication of "forbidden" in columns 10 to 13 of Table 3-1, provided that:

a) with the exception of lithium cells or batteries and sodium ion cells or batteries that comply with Section II of Packing Instruction 967 ~~or~~, Section II of Packing Instruction 970 or Section II of Packing Instruction 978, as applicable, the only dangerous goods contained in the article is a Division 2.2 gas without a subsidiary hazard, but excluding refrigerated liquefied gases and gases forbidden for transport on passenger aircraft;

b) the articles are packed in accordance with Packing Instruction 222; and

c) reference to Special Provision A225 is made on the dangerous goods transport document as required by Part 5;4.1.5.8.

All other provisions of these Instructions apply. If the above conditions are met, the requirements of Special Provision A2 do not apply.

TIs	*UN*

UN harmonization amendments

Paragraph 4.1.2.1.4.1 c) of DGP-WG/25 report:

~~A226~~ ~~(399)~~ ~~For articles that meet the definition for **Detonators, electronic** as described in Attachment 2 and assigned to UN Nos. 0511, 0512 and 0513, the entries for **Detonators, electric** (UN Nos. 0030, 0255 and 0456) may continue to be used until 30 June 2025.~~

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 401 (see ST/SG/AC.10/52/Add.1):

A228 (401) Sodium ion cells and batteries with organic electrolyte must be transported as UN 3551 or UN 3552 as appropriate. Sodium ion batteries with aqueous alkali electrolyte must be transported as UN 2795. ~~**Batteries, wet, filled with alkali**, electric storage~~ Batteries containing metallic sodium or sodium alloy must be transported as UN 3292.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 405 (see ST/SG/AC.10/52/Add.1):

A230 (403) Nitrocellulose (NC) membrane filters covered by this entry with NC content not exceeding 53 g/m² and an NC net weight not exceeding 300 g per inner packaging, are not subject to the requirements of these Instructions if they meet the following conditions:

a) they are packed with paper separators of minimum 80 g/m² placed between each layer of NC membrane filters;

b) they are packed to maintain the alignment of the NC membrane filters and the paper separators in any of the following configurations:

1) rolls tightly wound and packed in plastic foil of minimum 80 g/m² or aluminium pouches with an oxygen permeability of equal or less than 0.1 per cent ~~according to~~ in accordance with standard ISO 15105-1:2007;

2) Sheets packed in cardboard of minimum 250 g per square metre or aluminium pouches with an oxygen permeability of equal or less than 0.1 per cent ~~according to~~ in accordance with standard ISO 15105-1:2007; or

3) round filters packed in disc holders or cardboard packaging of minimum 250 g per square metre or single packed in pouches of paper and plastic material of total minimum 100 g per square metre.

TIs *UN*

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 407 (see ST/SG/AC.10/52/Add.1):

A232 (407) Fire suppressant dispersing devices are articles that contain a pyrotechnic substance, are intended to disperse a fire extinguishing agent (or aerosol) when activated, and do not contain any other dangerous goods. These articles, as packaged for transport, must fulfil the criteria for Division 1.4S, when tested in accordance with test series 6(c) of Section 16 of Part 1 of the UN *Manual of Tests and Criteria*. The device must be transported with either the means of activation removed or equipped with at least two independent means to prevent accidental activation.

Fire suppressant dispersing devices must only be assigned to Class 9, UN 3559, if the following additional conditions are met:

a) the device meets the exclusion criteria in 2;1.5.2.4 b), c) and d);

b) the suppressant ~~must be~~ is deemed safe for normally-occupied spaces in compliance with international or regional standards (such as NFPA2010); and

c) the article ~~must be~~ is packaged in a manner such that when activated, temperatures of the outside of the package ~~must~~ do not exceed 200°C;

This entry must be used only with the approval of the appropriate national authority of the State of manufacture.

This entry does not apply to UN 3268 **Safety devices**, electrically initiated, described in Special Provision A115.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 410 (see ST/SG/AC.10/52/Add.1):

A235 410 Hybrid batteries in conformity with 2;9.3 h) containing both lithium ion cells and sodium ion cells must be assigned to UN 3480, UN 3481 or UN 3536, as appropriate. When such batteries are transported in accordance with Section IB of Packing Instruction 965, Section II of Packing Instruction 967 or Section II of Packing Instruction 968, the watt-hour rating must not exceed 100 Wh and must be marked on the outside case.

UN harmonization amendments

Paragraph 4.1.2.1 of DGP-WG/25 report:

UN Model Regulations, Chapter 3.3, SP 411 (see ST/SG/AC.10/52/Add.1):

A236 411 Articles transported under this entry include magnetic resonance imaging (MRI) scanners containing non-flammable, non-toxic gas. The non-flammable, non-toxic gas must be contained within MRI scanner components. The MRI scanners must be designed and constructed to contain the gas and preclude the risk of bursting or cracking of the gas retaining components during normal conditions of transport. MRI scanners are not subject to these Instructions if they contain less than 12 kg of gas in Division 2.2.

TIs	*UN*	
		UN harmonization amendments
		Paragraph 4.1.2.1 of DGP-WG/25 report:
		UN Model Regulations, Chapter 3.3, SP 412 (see ST/SG/AC.10/52/Add.1):
A237	412	This entry may contain not more than 12% by mass of dimethyl ether.
		UN harmonization amendments
		Paragraph 4.1.2.1.4.1 h) of DGP-WG/25 report:
		UN Model Regulations, Chapter 3.3, SP 413 (see ST/SG/AC.10/52/Add.1):
A238	413	Liquid organic hydrogen carriers (LOHC) based on substances classified under this entry with physically dissolved hydrogen may only be transported under this entry when the content of physically dissolved hydrogen does not exceed 0.5 L(H_2)/kg(LOHC).
		UN harmonization amendments
		Paragraph 4.1.2.1 of DGP-WG/25 report:
		UN Model Regulations, Chapter 4.1, 4.1.4.1, P001, PP99 (see ST/SG/AC.10/52/Add.1):
		DGP-WG/UN Harmonization adding the requirement for transport in accordance with Special Provision A239, a new special provision excepting packaging performance tests for certain mixtures assigned to UN 3082, to be noted on the dangerous goods transport document
A239		For mixtures assigned to UN 3082 containing less than 1% of substances of highly toxic ingredients with an M factor of 10, 100, or 1000 (as described in 2.9.3.4.6.4 of the UN Model Regulations), plastics drums with removable heads containing quantities of more than 5 litres and not more than 20 litres per packaging are not subject to the performance tests in 6;4 for a transitional period until 31 December 2034, provided the packagings have successfully passed the stacking test in 6;4.6 for plastics drums intended for liquids and meet the general provisions of 4;1, except for 4;1.1.2, and 4;2. Transport in accordance with this special provision must be noted on the dangerous goods transport document.

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APPENDIX A

PROPOSED AMENDMENTS TO TABLE 3-1 — UN NUMBER ORDER

Proposed Amendments to Table 3-1 — UN Number Order

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	2,4-Difluoroaniline, see **Toxic liquid, organic, n.o.s.*** (UN No. 2810)												
					2025–2026 Edition								
	2,4-Difluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	p-Fluoroaniline, see **Corrosive liquid, basic, organic, n.o.s.*** (UN No. 3267)												
					2025–2026 Edition								
	p-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	o-Fluoroaniline, see **Flammable liquid, toxic, n.o.s.*** (UN No. 1992)												
					2025–2026 Edition								
	o-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	2-Fluoroaniline, see **Flammable liquid, toxic, n.o.s.*** (UN No. 1992)												
					2025–2026 Edition								
	2-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	4-Fluoroaniline, see **Corrosive liquid, basic, organic, n.o.s.*** (UN No. 3267)												
					2025–2026 Edition								
	4-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0030	1.1B							FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Detonators, electric for blasting†	0030	1.1B				A226			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0255	1.4B		Explosive 1.4				E0	FORBIDDEN		131	75 kg
					2025–2026 Edition								
	Detonators, electric for blasting†	0255	1.4B		Explosive 1.4		A226		E0	FORBIDDEN		131	75 kg

	Name	UN No.	Class or division	Subsidiary hazard	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
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0456	1.4S		Explosive 1.4		A165		E0	131	25 kg	131	100 kg
					2025–2026 Edition								
	Detonators, electric for blasting†	0456	1.4S		Explosive 1.4		A165 A226		E0	131	25 kg	131	100 kg
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0511	1.1B						E0	FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0511	1.1B				A226		E0	FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0512	1.4B		Explosive 1.4				E0	FORBIDDEN		131	75 kg
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0512	1.4B		Explosive 1.4		A226		E0	FORBIDDEN		131	75 kg
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0513	1.4S		Explosive 1.4		A165		E0	131	25 kg	131	100 kg
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0513	1.4S		Explosive 1.4		A165 A226		E0	131	25 kg	131	100 kg
					Proposed amendment								
≠	**Ethylene oxide**	1040	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A131			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide	1040	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A131			FORBIDDEN		FORBIDDEN	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Ethylene oxide with nitrogen** up to a total pressure of 1 MPa at 50ºC	1040	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide with nitrogen up to a total pressure of 1 MPa at 50ºC	1040	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Ethylene oxide and carbon dioxide mixture** with more than 9% but not more than 87% ethylene oxide	1041	2.1	8	Gas flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	25 kg
					2025–2026 Edition								
	Ethylene oxide and carbon dioxide mixture with more than 9% but not more than 87% ethylene oxide	1041	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	25 kg
					Proposed amendment								
≠	**Petroleum gases, liquefied**	1075	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A237		E0	FORBIDDEN		200	150 kg
					2025–2026 Edition								
	Petroleum gases, liquefied	1075	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg
					Proposed amendment								
≠	**Ammonium hydrogendifluoride, solid**	1727	8	6.1	Corrosive & Toxic	US 4		II	E2	859 Y844	15 kg 5 kg	863	50 kg
					2025–2026 Edition								
	Ammonium hydrogendifluoride, solid	1727	8		Corrosive	US 4		II	E2	859 Y844	15 kg 5 kg	863	50 kg

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Hydrocarbon gas mixture, liquefied, n.o.s.***	1965	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A237		E0	FORBIDDEN		200	150 kg
					2025–2026 Edition								
	Hydrocarbon gas mixture, liquefied, n.o.s.*	1965	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg
					Proposed amendment								
≠	**Chlorophenols, toxic, solid, n.o.s.***	2020	6.1		Toxic	US 4	A25	III	E1	670 Y645	100 kg 10 kg	677	200 kg
					2025–2026 Edition								
	Chlorophenols, solid	2020	6.1		Toxic	US 4	A25	III	E1	670 Y645	100 kg 10 kg	677	200 kg
					Proposed amendment								
≠	**Chlorophenols, toxic, liquid, n.o.s.***	2021	6.1		Toxic	US 4		III	E1	655 Y642	60 L 2 L	663	220 L
					2025–2026 Edition								
	Chlorophenols, liquid	2021	6.1		Toxic	US 4		III	E1	655 Y642	60 L 2 L	663	220 L
					Proposed amendment								
≠	**Butyl acrylates, stabilized**	2348	3		Liquid flammable		A209	II III	E2 E1	353 Y341 355 Y344	5 L 1 L 60 L 10 L	364 366	60 L 220 L
					2025–2026 Edition								
	Butyl acrylates, stabilized	2348	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L
					Proposed amendment								
≠	**1,2-Di-(dimethylamino) ethane**	2372	3	6.1 8	Liquid flammable & Toxic & Corrosive			II	E2	353 Y341	5 L 1 L	364	60 L
					2025–2026 Edition								
	1,2-Di-(dimethylamino) ethane	2372	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L
					Proposed new entry								
+	**Heating machines** containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	2857	2.2		Gas non-flammable		A26		E0	See 211		See 211	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
	Proposed amendment												
≠	**Vanadium pentoxide**, non-fused form, containing less than 10% respirable particles	2862	6.1		Toxic			III	E1	670 Y645	100 kg 10 kg	677	200 kg
	2025–2026 Edition												
	Vanadium pentoxide, non-fused form	2862	6.1		Toxic			III	E1	670 Y645	100 kg 10 kg	677	200 kg
	Proposed new entry												
+	**Vanadium pentoxide**, non-fused form, containing not less than 10% respirable particles	2862	6.1		Toxic			II	E4	669 Y644	25 kg 1 kg	676	100 kg
	Proposed amendment												
>													
	2025–2026 Edition												
	Fluoroanilines	2941	6.1		Toxic			III	E1	655 Y642	60 L 2 L	663	220 L
	Proposed amendment												
≠	**Environmentally hazardous substance, liquid, n.o.s.***	3082	9		Miscellaneous	DE 5 US 4	A97 A158 A197 A215 A238 A239	III	E1	964 Y964	450 L 30 kg G	964	450 L
	2025–2026 Edition												
	Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	DE 5 US 4	A97 A158 A197 A215	III	E1	964 Y964	450 L 30 kg G	964	450 L
	Proposed amendment												
≠	**Battery-powered equipment**	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A182 A214		E0	952	No limit	952	No limit
	2025–2026 Edition												
	Battery-powered equipment	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A164 A182 A214		E0	952	No limit	952	No limit

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Battery-powered vehicle**	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A214		E0	952	No limit	952	No limit
					2025–2026 Edition								
	Battery-powered vehicle	3171	9		Miscellaneous		A67 A87 A94 A154		E0	952	No limit	952	No limit
					Proposed amendment								
≠	**Ethylene oxide and carbon dioxide mixture**, with more than 87% ethylene oxide	3300	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide and carbon dioxide mixture, with more than 87% ethylene oxide	3300	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					Proposed new entry								
+	**Heating machines** containing flammable, non-toxic, liquefied gas	3358	2.1				A103			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Lithium ion batteries** (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A183 A201 A213 A235		E0	FORBIDDEN		See 965	
					2025–2026 Edition								
	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A183 A201 A213		E0	FORBIDDEN		See 965	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Lithium ion batteries contained in equipment** (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A48 A88 A99 A154 A181 A185 A213 A220 A235		E0	967	5 kg	967	35 kg
					2025–2026 Edition								
	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A48 A88 A99 A154 A181 A185 A213 A220		E0	967	5 kg	967	35 kg
					Proposed amendment								
≠	**Lithium ion batteries packed with equipment** (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A181 A185 A213 A235		E0	966	5 kg	966	35 kg
					2025–2026 Edition								
	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A181 A185 A213		E0	966	5 kg	966	35 kg
					Proposed amendment								
≠	**Lithium ion batteries installed in cargo transport unit**	3536	9							FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Lithium batteries installed in cargo transport unit lithium ion batteries or lithium metal batteries	3536	9							FORBIDDEN		FORBIDDEN	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
	Proposed amendment												
≠	**Articles containing non-flammable, non toxic gas, n.o.s.***	3538	2.2	See 2;0.6			A2 A88 A225 A236			FORBIDDEN		FORBIDDEN	
	2025–2026 Edition												
	Articles containing non-flammable, non toxic gas, n.o.s.*	3538	2.2	See 2;0.6			A2 A88 A225			FORBIDDEN		FORBIDDEN	
	Proposed amendment												
≠	**Sodium ion batteries** with organic electrolyte	3551	9		Miscellaneous — Lithium or sodium ion batteries		A88 A99 A154 A183 A201 A228 A235		E0	FORBIDDEN		See 976	
	2025–2026 Edition												
	Sodium ion batteries with organic electrolyte	3551	9		Miscellaneous — Lithium or sodium ion batteries		A88 A99 A154 A183 A201 A228		E0	FORBIDDEN		See 976	
	Proposed amendment												
≠	**Sodium ion batteries contained in equipment** with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228 A235		E0	978	5 kg	978	35 kg
	2025–2026 Edition												
	Sodium ion batteries contained in equipment with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228		E0	978	5 kg	978	35 kg

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Sodium ion batteries packed with equipment** with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228 A235		E0	977	5 kg	977	35 kg
					2025–2026 Edition								
	Sodium ion batteries packed with equipment with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228		E0	977	5 kg	977	35 kg
					Proposed new entry								
+	**Chlorophenols, corrosive, toxic, solid, n.o.s.***	3561	8	6.1	Corrosive & Toxic			II	E2	859 Y844	15 kg 5 kg	863	50 kg
					Proposed new entry								
+	**Chlorophenols, corrosive, solid, n.o.s.**	3562	8		Corrosive			II	E2	859 Y844	15 kg 5 kg	863	50 kg
					Proposed new entry								
+	**Lithium metal batteries installed in cargo transport unit**	3563	9							FORBIDDEN		FORBIDDEN	
					Proposed new entry								
+	**Sodium ion batteries installed in cargo transport unit**	3564	9							FORBIDDEN		FORBIDDEN	

APPENDIX B

PROPOSED AMENDMENTS TO TABLE 3-1 — ALPHABETICAL ORDER

Proposed Amendments to Table 3-1 — Alphabetical Order

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
	A												
					Proposed amendment								
≠	**Ammonium hydrogendifluoride, solid**	1727	8	6.1	Corrosive & Toxic	US 4		II	E2	859 Y844	15 kg 5 kg	863	50 kg
					2025–2026 Edition								
	Ammonium hydrogendifluoride, solid	1727	8		Corrosive	US 4		II	E2	859 Y844	15 kg 5 kg	863	50 kg
					Proposed amendment								
≠	**Articles containing non-flammable, non toxic gas, n.o.s.***	3538	2.2	See 2;0.6			A2 A88 A225 A236			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Articles containing non-flammable, non toxic gas, n.o.s.*	3538	2.2	See 2;0.6			A2 A88 A225			FORBIDDEN		FORBIDDEN	
	B												
					Proposed amendment								
≠	**Battery-powered equipment**	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A182 A214		E0	952	No limit	952	No limit
					2025–2026 Edition								
	Battery-powered equipment	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A164 A182 A214		E0	952	No limit	952	No limit

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Battery-powered vehicle**	3171	9		Miscellaneous		[A199] A67 A87 A94 A154 A214		E0	952	No limit	952	No limit
					2025–2026 Edition								
	Battery-powered vehicle	3171	9		Miscellaneous		A67 A87 A94 A154		E0	952	No limit	952	No limit
					Proposed amendment								
≠	**Butyl acrylates, stabilized**	2348	3		Liquid flammable		A209	II III	E2 E1	353 Y341 355 Y344	5 L 1 L 60 L 10 L	364 366	60 L 220 L
					2025–2026 Edition								
	Butyl acrylates, stabilized	2348	3		Liquid flammable		A209	III	E1	355 Y344	60 L 10 L	366	220 L

C

					Proposed new entry								
+	**Chlorophenols, corrosive, solid, n.o.s.**	3562	8		Corrosive			II	E2	859 Y844	15 kg 5 kg	863	50 kg
					Proposed new entry								
+	**Chlorophenols, corrosive, toxic, solid, n.o.s.***	3561	8	6.1	Corrosive & Toxic			II	E2	859 Y844	15 kg 5 kg	863	50 kg
					Proposed amendment								
≠	**Chlorophenols, toxic, liquid, n.o.s.***	2021	6.1		Toxic	US 4		III	E1	655 Y642	60 L 2 L	663	220 L
					2025–2026 Edition								
	Chlorophenols, liquid	2021	6.1		Toxic	US 4		III	E1	655 Y642	60 L 2 L	663	220 L
					Proposed amendment								
≠	**Chlorophenols, toxic, solid, n.o.s.***	2020	6.1		Toxic	US 4	A25	III	E1	670 Y645	100 kg 10 kg	677	200 kg
					2025–2026 Edition								
	Chlorophenols, solid	2020	6.1		Toxic	US 4	A25	III	E1	670 Y645	100 kg 10 kg	677	200 kg

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
	D												
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0030	1.1B							FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Detonators, electric for blasting†	0030	1.1B				A226			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0255	1.4B		Explosive 1.4				E0	FORBIDDEN		131	75 kg
					2025–2026 Edition								
	Detonators, electric for blasting†	0255	1.4B		Explosive 1.4		A226		E0	FORBIDDEN		131	75 kg
					Proposed amendment								
≠	**Detonators, electric** for blasting†	0456	1.4S		Explosive 1.4		A165		E0	131	25 kg	131	100 kg
					2025–2026 Edition								
	Detonators, electric for blasting†	0456	1.4S		Explosive 1.4		A165 A226		E0	131	25 kg	131	100 kg
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0511	1.1B						E0	FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0511	1.1B				A226		E0	FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0512	1.4B		Explosive 1.4				E0	FORBIDDEN		131	75 kg
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0512	1.4B		Explosive 1.4		A226		E0	FORBIDDEN		131	75 kg
					Proposed amendment								
≠	**Detonators, electronic** programmable for blasting†	0513	1.4S		Explosive 1.4		A165		E0	131	25 kg	131	100 kg
					2025–2026 Edition								
	Detonators, electronic programmable for blasting†	0513	1.4S		Explosive 1.4		A165 A226		E0	131	25 kg	131	100 kg
					Proposed amendment								
≠	**1,2-Di-(dimethylamino) ethane**	2372	3	6.1 8	Liquid flammable & Toxic & Corrosive			II	E2	353 Y341	5 L 1 L	364	60 L
					2025–2026 Edition								
	1,2-Di-(dimethylamino) ethane	2372	3		Liquid flammable			II	E2	353 Y341	5 L 1 L	364	60 L

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	2,4-Difluoroaniline, see **Toxic liquid, organic, n.o.s.*** (UN No. 2810)												
					2025–2026 Edition								
	2,4-Difluoroaniline, see **Fluoroanilines**												
	E												
					Proposed amendment								
≠	**Environmentally hazardous substance, liquid, n.o.s.***	3082	9		Miscellaneous	DE 5 US 4	A97 A158 A197 A215 A238 A239	III	E1	964 Y964	450 L 30 kg G	964	450 L
					2025–2026 Edition								
	Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	DE 5 US 4	A97 A158 A197 A215	III	E1	964 Y964	450 L 30 kg G	964	450 L
					Proposed amendment								
≠	**Ethylene oxide**	1040	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A131			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide	1040	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2 A131			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Ethylene oxide and carbon dioxide mixture** with more than 9% but not more than 87% ethylene oxide	1041	2.1	8	Gas flammable & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	25 kg
					2025–2026 Edition								
	Ethylene oxide and carbon dioxide mixture with more than 9% but not more than 87% ethylene oxide	1041	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	25 kg

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Ethylene oxide and carbon dioxide mixture**, with more than 87% ethylene oxide	3300	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide and carbon dioxide mixture, with more than 87% ethylene oxide	3300	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Ethylene oxide with nitrogen** up to a total pressure of 1 MPa at 50ºC	1040	2.3	2.1 8		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Ethylene oxide with nitrogen up to a total pressure of 1 MPa at 50ºC	1040	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3 US 4	A2			FORBIDDEN		FORBIDDEN	
	F												
					Proposed amendment								
≠	p-Fluoroaniline, see **Corrosive liquid, basic, organic, n.o.s.*** (UN No. 3267)												
					2025–2026 Edition								
	p-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	o-Fluoroaniline, see **Flammable liquid, toxic, n.o.s.*** (UN No. 1992)												
					2025–2026 Edition								
	o-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
≠	2-Fluoroaniline, see **Flammable liquid, toxic, n.o.s.*** (UN No. 1992)												
					2025–2026 Edition								
	2-Fluoroaniline, see **Fluoroanilines**												

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	4-Fluoroaniline, see **Corrosive liquid, basic, organic, n.o.s.*** (UN No. 3267)												
					2025–2026 Edition								
	4-Fluoroaniline, see **Fluoroanilines**												
					Proposed amendment								
>													
					2025–2026 Edition								
	Fluoroanilines	2941	6.1		Toxic			III	E1	655 Y642	60 L 2 L	663	220 L
	H												
					Proposed new entry								
+	**Heating machines** containing flammable, non-toxic, liquefied gas	3358	2.1				A103			FORBIDDEN		FORBIDDEN	
					Proposed new entry								
+	**Heating machines** containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	2857	2.2		Gas non-flammable		A26		E0	See 211		See 211	
					Proposed amendment								
≠	**Hydrocarbon gas mixture, liquefied, n.o.s.***	1965	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A237		E0	FORBIDDEN		200	150 kg
					2025–2026 Edition								
	Hydrocarbon gas mixture, liquefied, n.o.s.*	1965	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
	L												
					Proposed amendment								
≠	**Lithium ion batteries** (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A183 A201 A213 A235		E0	FORBIDDEN		See 965	
					2025–2026 Edition								
	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A183 A201 A213		E0	FORBIDDEN		See 965	
					Proposed amendment								
≠	**Lithium ion batteries contained in equipment** (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A48 A88 A99 A154 A181 A185 A213 A220 A235		E0	967	5 kg	967	35 kg
					2025–2026 Edition								
	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A48 A88 A99 A154 A181 A185 A213 A220		E0	967	5 kg	967	35 kg
					Proposed amendment								
≠	**Lithium ion batteries installed in cargo transport unit**	3536	9							FORBIDDEN		FORBIDDEN	
					2025–2026 Edition								
	Lithium batteries installed in cargo transport unit lithium ion batteries or lithium metal batteries	3536	9							FORBIDDEN		FORBIDDEN	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Lithium ion batteries packed with equipment** (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A181 A185 A213 A235		E0	966	5 kg	966	35 kg
					2025–2026 Edition								
	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous — Lithium or sodium ion batteries	US 3	A88 A99 A154 A181 A185 A213		E0	966	5 kg	966	35 kg
					Proposed new entry								
+	**Lithium metal batteries installed in cargo transport unit**	3563	9							FORBIDDEN		FORBIDDEN	

P

					Proposed amendment								
≠	**Petroleum gases, liquefied**	1075	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1 A237		E0	FORBIDDEN		200	150 kg
					2025–2026 Edition								
	Petroleum gases, liquefied	1075	2.1		Gas flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		E0	FORBIDDEN		200	150 kg

S

					Proposed amendment								
≠	**Sodium ion batteries** with organic electrolyte	3551	9		Miscellaneous — Lithium or sodium ion batteries		A88 A99 A154 A183 A201 A228 A235		E0	FORBIDDEN		See 976	
					2025–2026 Edition								
	Sodium ion batteries with organic electrolyte	3551	9		Miscellaneous — Lithium or sodium ion batteries		A88 A99 A154 A183 A201 A228		E0	FORBIDDEN		See 976	

	Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN packing group	Excepted quantity	Passenger and cargo aircraft: Packing instruction	Passenger and cargo aircraft: Max. net quantity per package	Cargo aircraft only: Packing instruction	Cargo aircraft only: Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
					Proposed amendment								
≠	**Sodium ion batteries contained in equipment** with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228 A235		E0	978	5 kg	978	35 kg
					2025–2026 Edition								
	Sodium ion batteries contained in equipment with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228		E0	978	5 kg	978	35 kg
					Proposed new entry								
+	**Sodium ion batteries installed in cargo transport unit**	3564	9							FORBIDDEN		FORBIDDEN	
					Proposed amendment								
≠	**Sodium ion batteries packed with equipment** with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228 A235		E0	977	5 kg	977	35 kg
					2025–2026 Edition								
	Sodium ion batteries packed with equipment with organic electrolyte	3552	9		Miscellaneous — Lithium or sodium ion batteries		A48 A88 A99 A154 A185 A228		E0	977	5 kg	977	35 kg
	V												
					Proposed amendment								
≠	**Vanadium pentoxide**, non-fused form, containing less than 10% respirable particles	2862	6.1		Toxic			III	E1	670 Y645	100 kg 10 kg	677	200 kg
					2025–2026 Edition								
	Vanadium pentoxide, non-fused form	2862	6.1		Toxic			III	E1	670 Y645	100 kg 10 kg	677	200 kg
					Proposed new entry								
+	**Vanadium pentoxide**, non-fused form, containing not less than 10% respirable particles	2862	6.1		Toxic			II	E4	669 Y644	25 kg 1 kg	676	100 kg