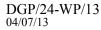
منظمة الطيران المدني الدولي





فريق خبراء البضائع الخطرة الاجتماع الرابع والعشرون مونتريال، ٢٠١٣/١٠/٢ إلى ٢٠١٣/١١/٨

البند رقم ٢: إعداد توصيات بإجراء تعديلات على التعليمات الفنية للنقل الآمن للبضائع الخطرة بطريق الجو (الوثيقة (الوثيقة (Doc 9284)) لإدراجها في طبعة ٢٠١٥–٢٠١٦.

مشروع التعديلات على التعليمات الفنية بحيث تتوافق مع توصيات الأمم المتحدة – الجزء ٣

(مقدمة من الأمينة)

الملخص

نتضمن ورقة العمل هذه مشروع التعديلات على الجزء ٣ من التعليمات الفنية كي تعكس القرارات الصادرة عن لجنة الخبراء المعنية بنقل البضائع الخطرة وبالنظام المنسق عالمياً لتصنيف المواد الكيمائية ووسمها، التابعة للأمم المتحدة، في دورتها السادسة (جنيف، ٢٠١٢/١٢/١٤). وهي تعكس ايضاً التعديلات التي وافق عليها الفريق العامل الثالث عشر التابع لفريق خبراء البضائع الخطرة، (مونتريال ١٥–٢٠١٣/٤/١٩).

ويُرجى من فريق الخبراء أن يوافق على مشروع التعديلات الوارد في ورقة العمل هذه.

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Part 3

DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND LIMITED AND EXCEPTED QUANTITIES

Chapter 2

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

Table 3-1. Dangerous Goods List

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

Chapter 3

SPECIAL PROVISIONS

Table 3-2. Special provisions

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

- A18 (66) Mercurous chloride and ccinnabar are is not subject to these Instructions.
- A19 (225) Fire extinguishers under this entry may include installed actuating cartridges (cartridges, power device of Division 1.4C or 1.4S), without changing the classification of Division 2.2 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 grams per extinguishing unit.

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

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

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

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

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

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

✓ A32 Air bag inflators, air bag modules or seat belt pretensioners <u>Safety devices</u>, <u>electrically initiated and safety</u> <u>devices</u>, <u>pyrotechnic</u> installed in vehicles, vessels or aircraft or in completed components such as steering columns, door panels, seats, etc., which are not capable of inadvertent activation are not subject to these Instructions when carried as cargo. The words "not restricted" and the special provision number A32 must be provided on the air waybill when an air waybill is issued.

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

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

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

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

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

A56 This entry applies to articles which contain Class 1 explosive substances and which may also contain dangerous goods of other classes. These articles are used to enhance safety in vehicles, vessels or aircraft as lifesaving vehicle (e.g. air bag inflators or, air bag modules or, seat belt pretensioners and pyromechanical devices).

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

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

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

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

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

A78 (172) Where a Rradioactive material has with (a) subsidiary risk(s) must:

Subparagraphs a) and b) below are reversed

- <u>ab</u>) <u>Packages must</u> be labelled with subsidiary risk labels corresponding to each subsidiary risk exhibited by the material in accordance with the relevant provisions of 5;3.2; corresponding placards must be affixed to cargo transport units in accordance with the relevant provisions of 5;3.6;
- ba) The substance must be allocated to Packing Group I, II or III, as and if appropriate, by application of the packing grouping criteria provided in Part 2 corresponding to the nature of the predominant subsidiary risk. For packing, see also 4;0.1.5.
- c) For the purposes of documentation and package marking, the proper shipping name must be supplemented with the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s) and which must be enclosed in parenthesis;
- d) The dangerous goods transport document must indicate the subsidiary class or division and, where assigned, the packing group as required by 5;4.1.4.1 d) and e).

For packing, see also 4;9.1.5.

The description required in 5;4.1.5.7.1 b) must include a description of these subsidiary risks (e.g. "Subsidiary risk: 3,6.1"), the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s) and, where applicable, the packing group.

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

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

A115 (280) This entry applies to articles which are used as lifesaving safety devices for vehicles, vessels or aircraft, e.g. air bag inflators, or air bag modules or, seat belt pretensioners, and pyromechanical devices and which contain dangerous goods of Class 1 or dangerous goods of other classes and when transported as component parts and when if these articles as presented for transport have been tested in accordance with test series 6 (c) of Part I of the UN *Manual of Tests and Criteria*, with no explosion of the device, no fragmentation of the device casing or pressure receptacle, and no projection hazard-and nor 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).

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

- A186 (361) This entry applies to electric double layer capacitors with an energy storage capacity greater than 0.3 Wh. Capacitors with an energy storage capacity of 0.3 Wh or less are not subject to these Instructions. Energy storage capacity means the energy held by a capacitor, as calculated using the nominal voltage and capacitance. All capacitors to which this entry applies, including capacitors containing an electrolyte that does not meet the classification criteria of any class or division of dangerous goods, must meet the following conditions:
 - • •
 - capacitors must be designed and constructed to safely relieve pressure that may build up in use, through a vent or a weak point in the capacitor casing. Any liquid which is released upon venting must be contained by the packaging or by the equipment in which a capacitor is installed; and
 - e) capacitors must be marked with the energy storage capacity in Wh.

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

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

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

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

The following provisions must apply:

- a) The chemical under pressure must be classified based on the hazard characteristics of the components in the different states:
- • •
- d) in addition, chemicals under pressure with components meeting the properties of: Class 1, explosives; Class 3, liquid desensitized explosives; Division 4.1, self-reactive substances and solid desensitized explosives; Division 4.2, substances liable to spontaneous combustion; Division 4.3, substances which, in contact with water, emit flammable gases; Division 5.1, oxidizing substances; Division 5.2, organic peroxides; Division 6.2, infectious substances; or Class 7, radioactive material, must not be used for transport under this proper shipping name.
- e) <u>Chemicals under pressure containing components forbidden for transport on both passenger and cargo</u> <u>aircraft (columns 10 to 13 of Table 3-1) must not be transported by air.</u>

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UN Model Regulations, Chapter 3.3, SP 375, ST/SG/AC.10/40/Add.1 DGP-WG/13-WP/13 (see paragraph 3.2.17.1 g) of this report)

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

a) each radiation detector must meet the following conditions:

<u>_ai</u>) the pressure in each neutron radiation detector must not exceed 105 kPa absolute at 20°C;

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₽ <u>ii</u>)	the amount of gas must not exceed-12.8_13 grams per detector and the amount per outer packaging or per radiation detection system must not exceed 51.2 grams;
<u> </u>	each detector must be manufactured under a registered quality assurance programme;
	Note.— The application of ISO 9001:2008 may be considered acceptable for this purpose.
e <u>iv</u>	each neutron radiation detector must be of welded metal construction with brazed metal to ceramic feed through assemblies. They These detectors must have a minimum burst pressure of 1 800 kPa as demonstrated by design type qualification testing; and
<u>v)</u>	each detector must be tested to a 1 x 10 ⁻¹⁰ cm ³ ·sec ⁻¹ [or cm ³ /s] leaktightness standard before filling.
<u>b) rad</u>	iation detectors transported as individual components must be transported as follows:
<u>di</u>)	each neutron radiation detector they must be packed in a sealed intermediate plastic liner with sufficient absorbent material to absorb the entire gas contents.
<u>— ii)</u>	<u>Neutron radiation detectors they</u> must be packed in strong outer packagings and the completed package must be that are capable of withstanding a 1.8 metre drop test without leakage of gas contents from detectors.
iii)	the total amount of gas from all detectors per outer packaging must not exceed 52 grams.
	npleted neutron <u>Rr</u> adiation detector systems containing neutron radiation detectors meeting the iditions of paragraph a) must be transported as follows:
i)	the detectors must be contained in a strong sealed outer casing;
<u>ii)</u>	the casing must containalso include sufficient absorbent material sufficient to absorb the entire gas contents of the neutron radiation detectors. Absorbent material must be surrounded by a liner or liners, as appropriate.
<u> </u>	the completed system They must be packed in strong outer packagings capable of withstanding a 1.8 m drop test without leakage unless neutron radiation detectors a system's outer casing are affordeds equivalent protection by the radiation detection system; and
e) the	package must be labelled with "Toxic gas" and "Corrosive" subsidiary risk labels.
Transp docum	ort in accordance with this special provision must be noted on the dangerous goods transport ent <u>, and Aa</u> packing instruction must not be shown on the transport document.
includir neutror require subject detectio in acco	ransported as cargo, neutron radiation detectors containing not more than 1 gram of boron trifluoride, ing those with solder glass joints, and radiation detection systems containing such detectors where the radiation detectors meet and are not subject to these Instructions provided they meet the ments in paragraph a) and are packed in accordance with the above conditions paragraph b), are not to these Instructions irrespective of the indication of "forbidden" in columns 10 to 13. Radiation on systems containing such detectors are not subject to these Instructions provided they are packed rdance with paragraph c). The words "not restricted" and the special provision number A190 must be id on the air waybill when an air waybill is used.

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

<u>A192</u> (367) For the purposes of documentation and package marking:

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

- the proper shipping name Paint related material, flammable, corrosive may be used for consignments of packages containing paint, flammable, corrosive and paint related material, flammable, corrosive in the same package; and
- the proper shipping name Printing ink related material may be used for consignments of packages containing printing ink and printing ink related material in the same package.
- A193 (368) In the case of non-fissile or fissile-excepted uranium hexafluoride, the material must be classified under UN 3507 or UN 2978.

UN Model Regulations, Chapter 3.3, 369, ST/SG/AC.10/40/Add.1 See paragraph 3.2.17.1 h) of this report.

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

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

<u>Uranium hexafluoride may be classified under this entry only if the conditions of 2;7.2.4.1.1.2, 2;7.2.4.1.1.5, 2;7.2.4.5.2 and, for fissile-excepted material, of 2;7.2.3.6 are met.</u>

In addition to the provisions applicable to the transport of Class 8 substances, the provisions of 5;1.2.2.2, 5;1.6.3, 7;1.6 and 7;3.2.1 to 7;3.2.4 apply.

No Class 7 label is required to be displayed.

UN Model Regulations, Chapter 3.3, 371, ST/SG/AC.10/40/Add.1 See paragraph 3.2.17.1 i) of this report.

- A195 (371) 1. This entry also applies to articles, containing a small pressure receptacle with a release device. Such articles must comply with the following requirements:
 - a) the water capacity of the pressure receptacle must not exceed 0.5 litres and the working pressure must not exceed 25 bar at 15°C;
 - b) the minimum burst pressure of the pressure receptacle must be at least four times the pressure of the gas at 15 °C;
 - c) each article must be manufactured in such a way that unintentional firing or release is avoided under normal conditions of handling, packing, transport and use. This may be fulfilled by an additional locking device linked to the activator;
 - d) each article must be manufactured in such a way as to prevent hazardous projections of the pressure receptacle or parts of the pressure receptacle;
 - e) each pressure receptacle must be manufactured from material which will not fragment upon rupture;
 - f) the design type of the article must be subjected to a fire test. For this test, the provisions of paragraphs 16.6.1.2 except letter g, 16.6.1.3.1 to 16.6.1.3.6, 16.6.1.3.7 (b) and 16.6.1.3.8 of the UN Manual of Tests and Criteria must be applied. It must be demonstrated that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, in such a way that the pressure receptacle will not fragment and that the article or fragments of the article do not rocket more than 10 metres;
 - g) the design type of the article must be subjected to the following test. A stimulating mechanism must be used to initiate one article in the middle of the packaging. There must be no hazardous effects outside the package such as disruption of the package, metal fragments or a receptacle which passes through the packaging.
 - 2. The manufacturer must produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer must apply procedures to ensure that articles produced in series are made of good quality, conform to the design type and are able to meet the requirements in 1). The manufacturer must provide such information to the appropriate national authority on request.

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

<u>A196 (372</u>) This entry applies to asymmetric capacitors with an energy storage capacity greater than 0.3 Wh. Capacitors with an energy storage capacity of 0.3 Wh or less are not subject to these Instructions.
	Energy storage capacity means the energy stored in a capacitor, as calculated according to the following equation:
	<u>Wh = $1/2C_N(U_R^2 - U_L^2) \times (1/3600)$</u> ,
	using the nominal capacitance (C_N), rated voltage (U_B) and rated lower limit voltage (U_L).
	All asymmetric capacitors to which this entry applies must meet the following conditions:
	a) capacitors or modules must be protected against short circuit;
	b) capacitors must be designed and constructed to safely relieve pressure that may build up in use, through a vent or a weak point in the capacitor casing. Any liquid which is released upon venting must be contained by packaging or by equipment in which a capacitor is installed;
	c) capacitors must be marked with the energy storage capacity in Wh; and
	[<u>Note.— The requirement in paragraph c) does not apply to capacitors manufactured before 1 January 2015.]</u>
	<u>d)</u> capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods must be designed to withstand a 95 kPa pressure differential;
	<u>Capacitors containing an electrolyte not meeting the classification criteria of any class or division of dangerous goods, including when configured in a module or when installed in equipment are not subject to other provisions of these Instructions.</u>
	Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, with an energy storage capacity of 20 Wh or less, including when configured in a module, are not subject to other provisions of these Instructions when the capacitors are capable of withstanding a 1.2 metre drop test unpackaged on an unyielding surface without loss of contents.
	Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods that are not installed in equipment and with an energy storage capacity of more than 20 Wh are subject to these Instructions.
	<u>Capacitors installed in equipment and containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, are not subject to other provisions of these Instructions provided that the equipment is packaged in a strong outer packaging constructed of suitable material, and of adequate strength and design, in relation to the packaging's intended use and in such a manner as to prevent accidental functioning of capacitors during transport. Large robust equipment containing capacitors may be offered for transport unpackaged or on pallets when capacitors are afforded equivalent protection by the equipment in which they are contained.</u>
	Note.— Notwithstanding the provisions of this special provision, nickel-carbon asymmetric capacitors containing Class 8 alkaline electrolytes must be transported as UN 2795, Batteries, wet, filled with alkali, electric storage.

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

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

DGP/24-WP/13

Chapter 4

DANGEROUS GOODS IN LIMITED QUANTITIES

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4.1 APPLICABILITY

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

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

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

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

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

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

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

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4.5 PACKAGE MARKING

4.5.1 Packages containing limited quantities of dangerous goods must be marked as required by the applicable paragraphs of 5;2, except that 5;2.4.4.1 does not apply.

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

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

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

4.5.2.1 If the size of the package so requires, the minimum outer dimensions shown in Figure 3-1 may be reduced to be not less than 50 mm × 50 mm provided the marking remains clearly visible. The minimum width of the line forming the diamond may be reduced to a minimum of 1 mm. The symbol "Y" must remain in approximate proportion to that shown in Figure 3-1.

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

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

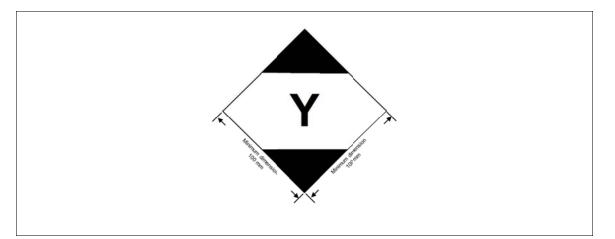


Figure 3-1. Limited quantities mark

DANGEROUS GOODS PACKED IN EXCEPTED QUANTITIES

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

5.1 EXCEPTED QUANTITIES

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

a) the prohibition in post in 1;2.3;

b) the definitions in 1;3;

c) the training requirements in 1;4;

d) the classification procedures and packing group criteria in Part 2;

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

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

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

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5.4 MARKING OF PACKAGES

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

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

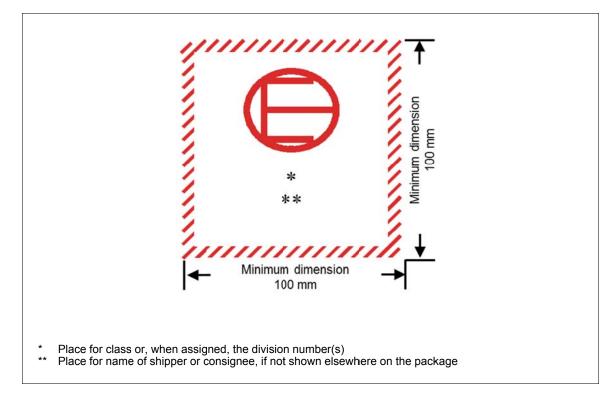
Text from Figure 3-2 has been moved to 5.4.2. New/amended text (other than editorial changes) is highlighted.

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

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

- 11 -

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





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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 " \neq " 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

										Passeng	er aircraft	Cargo aircraft		
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity		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	
*	Actinolite, see White asbestos, etc.													
¥	Actinolite, see Asbestos , amphibole (UN No. 2212)													
*	Amosite, see Brown asbestos													
¥	Amosite, see Asbestos, amphibole (UN No. 2212)													
*	Anthophyllite, see White asbestos, etc.													
¥	Anthophyllite, see Asbestos, amphibole (UN No. 2212)													
*	Asbestos †, see Blue asbestos (UN No. 2212), Brown asbestos (UN No. 2212) or White asbestos (UN No. 2590)													
¥	Asbestos †, see Asbestos, amphibole (UN No. 2212) or Asbestos, chrysotile (UN No. 2590)													
*	Chrysotile, see White asbestos, etc.													
¥	Chrysotile, see Asbestos , chrysotile (UN 2590), etc.													
*	Crocidolite, see Blue asbestos													
¥	Crocidolite, see Asbestos, amphibole (UN No. 2212)													

	Chapter 2												
										Passenge	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	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
	\checkmark												
*	Mysorite, see Brown asbestos												
≠	Mysorite, see Asbestos,												
	amphibole (UN No. 2212)												
*	Talcum with tremolite and/or												
	actinolite, see White asbestos, etc.												
≠	Talcum with tremolite and/or actinolite, see Asbestos,												
	amphibole (UN No. 2212)												
*	Tremolite, see White asbestos, etc.												
	Tana lite and Ashartan												
≠	Tremolite, see Asbestos, amphibole (UN No. 2212)												
+	Amphibole asbestos, see Asbestos,												
Ŧ	amphibole (UN No. 2212)												
+	Mercurous chloride, see Mercury												
	compound, solid, n.o.s. (UN No. 2025)												
)												
*	Ammonium nitrate with more than 0.2% combustible substances,	0222	1.1D							FORB	DDEN	FORB	DDEN
	including any organic substance												
	calculated as carbon, to the exclusion of any other added												
	substance												
¥	Ammonium nitrate	0222	1.1D							FORB	DDEN	FORBI	DDEN
					\checkmark			\			✓		
*	Air bag inflators †	0503			Explosive 1.4		A32		E0	FORBI		135	75 kg
		0000	1.40				A52 A56		20	I UKB	DDEN	100	10 kg
>													
-													
					\checkmark			~			✓		
*	Air bag modules †	0503			Explosive 1.4		A32		E0	FORBI		135	75 kg
		0303	1.40				A52 A56		20	I UKBI	DDLIN	155	75 Kg
>													
-													

Part 3

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Name Ltv or and and stress Subtr- stress Subtr- process process process Out process process Deckets process Quantity process process Quantity process Quantity process Quantity process Quantity process Package process
Image: Constraint of the second sec
Seat-belt pretensioners † 0503 1.46 Sequence A32 I.50 FORB DEN 1.35 75 kg # Safety devices, pyrotechnic † 0503 1.46 A32 A32 I.50 FORB DEN 1.35 75 kg # Refrigerant gas R 1113 1082 2.3 2.1 Includit fammable
Seat-belt pretensioners † 0503 1.46 Suppose 1 A32 Suppose 1 Evolusive 1.4 A32 A32 CA Evolusive 1.4 A33 Evolusive 1.4 A33 Evolusive 1.4 CA A33 L Evolusive 1.4 L L L L L L L L L L L L L L L L L L L
+ Refrigerant gas R 1113 1082 2.3 2.1 A1 A2 A2 L FORB DEN FORB FORB DEN FORB DEN + Printing ink, flammable 1210 3 2.1 Liquid flammable A3 I E3 351 1 L 361 30 L + Printing ink, flammable 1210 3 Liquid flammable A3 I E3 351 1 L 361 30 L + Printing ink, flammable 1210 3 Liquid flammable A3 I E3 351 1 L 361 30 L + Printing ink, flammable 1210 3 Liquid flammable A3 I E3 351 1 L 361 30 L + Printing ink related material (including printing ink thinning or reducing compound), flammable 1210 3 Liquid flammable A3 I E3 351 1 L 361 30 L + Printing ink related material (including printing ink thinning or reducing compound), flammable 1210 3 Liquid flammable A3 <th< td=""></th<>
* Refrigerant gas R 1113 1082 2.3 2.1 Land AU 1 R 1 R 3 N 3 A2 Land Land AU 1 R 3 N 3 AU 1 N 3 Land
Printing ink, flammable 1210 3 Luquid flammable A3 1 E3 351 1 L 361 30 L # Printing ink, flammable 1210 3 M Luquid flammable A3 A72 II E3 351 1 L 361 30 L 60 L 220 L # Printing ink, flammable 1210 3 M Liquid flammable A3 A3 II E3 351 1 L 361 30 L 60 L 220 L # Printing ink, flammable 1210 3 M Liquid flammable A3 II E3 351 1 L 361 30 L 60 L 220 L * Printing ink related material (including printing ink thinning or reducing compound), flammable 1210 3 3 Liquid flammable A3 A3 II E3 351 1 L 361 30 L 220 L * Printing ink related material (including printing ink thinning or reducing compound), flammable 1210 3 1210 3 1210 3 1210 3 3 1 L
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
*Printing ink related material (including printing ink thinning or reducing compound), flammable12103Liquid flammableIA3IE33511 L36130 L#Printing ink related material (including printing ink thinning or reducing compound), flammable12103Liquid flammableA3IE135536136460 L#Printing ink related material (including printing ink thinning or reducing compound), flammable12103Liquid flammableA3IE33511 L36130 L#Printing ink related material (including printing ink thinning or reducing compound), flammable12103Liquid flammableA3IE33511 L36130 L#Including printing ink thinning or reducing compound), flammable12103FLiquid flammableA3IE33511 L36130 L#Including printing ink thinning or reducing compound), flammable12103FIIE23535 L36460 LHIncluding printing ink thinning or reducing compound), flammableIIIE135560 L366220 L
(including printing ink thinning or reducing compound), flammable A72 II E2 353 5 L 364 60 L A192 III E1 355 60 L 366 220 L

										Passenger aircraft		Cargo aircraft	
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Paint (including paint, lacquer, enamel, stain, shellac, varnish,	1263	3		Liquid flammable		✓ A3	I	E3	351	1 L	361	30 L
	polish, liquid filler and liquid lacquer base)						A72		E2 E1	353 Y341 355	5 L 1 L 60 L	364 366	60 L 220 L
										Y344	10 L	300	220 L
¥	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer	1263	3		Liquid flammable		A3 A72 A192	I II	E3 E2	351 353 Y341	1 L 5 L 1 L	361 364	30 L 60 L
	base)						A192	Ш	E1	355 Y344	60 L 10 L	366	220 L
							✓						
*	Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		A3 A72	I II	E3 E2	351 353	1 L 5 L 1 L	361 364	30 L 60 L
								Ш	E1	Y341 355 Y344	60 L 10 L	366	220 L
¥	Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		A3 A72	 	E3 E2	351 353	1 L 5 L	361 364	30 L 60 L
							A192	ш	E1	Y341 355 Y344	1 L 60 L 10 L	366	220 L
								✓					
*	Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	EO	FORBI	DDEN	679	50 kg
¥	Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORBI	DDEN	679	50 kg

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										Passeng	er aircraft	Cargo	
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
-	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1	=	EO	FORB	DDEN	679	75 kg
	Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORB	DDEN	679	75 kg
	Ammunition, tear-producing, non- explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1	"	EO	FORB	DDEN	679	50 kg
¥	Ammunition, tear-producing, non- explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORB	DDEN	679	50 kg
*	Blue asbestos (crocidolite) †	2212	9				A61			FORB	DDEN	FORBI	DDEN
¥	Asbestos, amphibole* (amosite, tremolite, actinolite, anthophyllite, crocidolite)†	2212	9				A61			FORB	DDEN	FORBI	DDEN
*	✓ Brown asbestos (amosite, mysorite) †	2 212	> 9				✓			FORB	DDEN	FORBI	D DEN
>													
*	White asbestos (chrysotile, actinolite, anthophyllite, tremolite) †	2590	9		Miscellaneous	US 4	A61	111	E1	958	200 kg	958	200 kg
	Asbestos, chrysotile †	2590	9		Miscellaneous	US 4	A61		E1	958	200 kg	958	200 kg

										Passenger aircraft		Cargo aircraft	
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Radioactive material, excepted package — limited quantity of material	2910	7		None		A23 A130			Se	ee Part 2;7		
¥	Radioactive material, excepted package — limited quantity of material	2910	7		None		A130 A193			Se	ee Part 1;6		
*	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		A3 A72	=	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
ŧ	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		A3 A72 A192	11	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
*	Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive		✓ A3 A72	=	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
¥	Paint related material (including paint thinning or reducing compound)	3066	8		Corrosive		A3 A72 A192		E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
*	Life-saving appliances, not self- inflating containing dangerous goods as equipment	3072	9		Miscellaneous		✓A48A87		EO	see 955	No limit	see 955	No limit
¥	Life-saving appliances, not self- inflating containing dangerous goods as equipment	3072	9		Miscellaneous		A48 A87 A182		EO	see 955	No limit	see 955	No limit
*	Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	A158	Ξ	E1	956 Y956	400 kg 30 kg G	956	400 kg
¥	Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous		A97 A158 A179 A197	III	E1	956 Y956	400 kg 30 kg G	956	400 kg

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									Passeng	er aircraft	Cargo	aircraft
e	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	2	3	4	5	6	7	8	9	10	11	12	13
azardous n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A97 A158	III	E1	964 Y964	450 L 30 kg G	964	450 L
azardous n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A158	III	E1	964 Y964	450 L 30 kg G	964	450 L
e ries (including s) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	"	EO	See	968	See	968
eries (including s) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183		E0	See	968	See	968
eries contained ding lithium	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185		EO	970	5 kg	970	35 kg
eries contained ding lithium	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185		EO	970	5 kg	970	35 kg
eries packed cluding lithium	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185	-	EO	969	5 kg	969	35 kg
eries packed cluding lithium	3091	9		Miscellaneous	US 2 US 3			E0	969	5 kg	969	35 kg

										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Articles, pressurized, hydraulic	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
	containing non-flammable gas						A114						
≠	Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable		A48 A114		E0	208	No limit	208	No limit
							A195						l
													l
*	Articles, pressurized, pneumatic	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
	containing non-flammable gas						A114						
¥	Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable		A48 A114		E0	208	No limit	208	No limit
	- •						A114 A195						1
													1
	\checkmark												\checkmark
*	Air bag inflators †	3268	9		Miscellaneous	BE 3	A32	Ш	E0	961	25 kg	961	100 kg
						US 16							
							A119						
>													1
													l
													1
	\checkmark												
*	Air bag modules †	3268	9		Miscellaneous	BE 3	A32	Ш	E0	961	25 kg	961	100 kg
						US 16							
							A119						
>													
-													l
													l
	\checkmark												
*	Seat-belt pretensioners †	3268	9		Miscellaneous	BE 3		Ш	E0	961	25 kg	961	100 kg
						US 16	A115 A119						
							7113						
≠	Safety devices, electrically	3268	9		Miscellaneous	BE 3	A32		E0	961	25 kg	961	100 kg
	initiated †		Ĩ			US 16					_09		
							A119						l
*	Batteries, containing sodium †	3292	4.3		Danger if wet		A94	Ш	E0	FORB	DDEN	492	No limit
							A183						
≠	Batteries, containing sodium †	3292	4.3		Danger if wet		A94		E0	FORB	DDEN	492	No limit
							A183						l
													l
			1 2	1	1	1 /	1 1	1	1		1	1 1	
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										Passenge	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Cells, containing sodium †	3292	4.3		Danger if wet		A94	=	E0	492	25 kg	492	No limit
¥	Cells, containing sodium †	3292	4.3		Danger if wet		A94		E0	492	25 kg	492	No limit
*	Chemical kit	3316	9		Miscellaneous		A44 A163		E0	960 Y960	10 kg 1 kg	960	10 kg
¥	Chemical kit	3316	9		Miscellaneous		A44	Ш	E0	960	10 kg	960	10 kg
							A163	Ш		Y960 960 Y960	1 kg 10 kg 1 kg	960	10 kg
*	First aid kit	3316	9		Miscellaneous		A44 A163		EO	960 Y960	10 kg 1 kg	960	10 kg
¥	First aid kit	3316	9		Miscellaneous		A44 A163	Ш	E0	960 Y960	10 kg 1 kg	960	10 kg
							A105	Ш	EO	960 Y960	10 kg 1 kg	960	10 kg
								✓					
*	Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144	II	EO	FORB	DDEN	565	25 kg
¥	Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144		EO	FORB	DDEN	565	25 kg

Implementation Solo Solo<											Passenge		Cargo	
Paint, flammable, corrosive (including paint, lacquer, ename), inter and liquid lacquer base) 3469 3 8 Liquid flammable Corrosive V A A72 1 E0 350 0.5 L 353 360 2.5 L 5 L 4 Paint, flammable, corrosive (including paint, lacquer, ename), inter and liquid lacquer base) 3469 3 8 Liquid flammable Corrosive A3 A72 1 E0 350 0.5 L 353 360 2.5 L 353 4 Paint, flammable, corrosive (including paint, lacquer, ename), istain, shelac, varish, polish, liquid miler and liquid lacquer base) 3469 3 8 Liquid flammable Corrosive or reducing compound) 3451 345 1 8 S Corrosive Corrosive (including paint thinning or reducing compound		Name		or divi-	sidiary	Labels	varia-	provi-	packing			quantity per		quantity per
Paint, flammable, corresive (instaining paint, insequer, ensment, stain, shelac, varnish, polein, liquid filler and liquid lacquer base) 3469 3 8 Liquid flammable Corresive A33 1 ED 350 3442 0.5 L 31 360 3442 2.5 L 35 • Paint, flammable, corresive (incluiding paint, incquer, mammable, incluiding paint, incquer, mammable, corresive) 3469 3 8 Liquid flammable Corresive A3 A72 1 ED 350 0.5 L 352 360 2.5 L 363 360 2.5 L 365 60 L • Paint, flammable, corresive (incluiding paint, incquer, mammable, incluiding paint, incquer, mammable, incluiding paint, incquer, mammable, if and liquid lacquer base) 3469 3 8 Liquid flammable Corresive A3 A72 1 ED 350 0.5 L 350 360 2.5 L 355 360 2.5 L 365		1	2	3	4	5	6	7	8	9	10	11	12	13
Paint, flammable, corresive, stand, polish, liquid, samel, shellac, vanish, polish, liquid, samel, samel, samel, shellac, vanish, polish, liquid, samel, samel, samel, stam, shellac, vanish, polish, liquid, samel, shellac, vanish, polish, liquid, samel, samel, samel, stam, shellac, vanish, polish, liquid, samel, shellac, vanish, polish, liquid, samel, samel, samel, samel, shellac, vanish, polish, liquid, samel, shellac, vanish, polish, liquid, samel, sa														
(including paint, lacquer, enamel, stain, shelic, varnish, polish, liquid filer and liquid lacquer base) 3463 3 8 Liquid fileranable A72 II E2 352 1 363 5 00 • Paint related material, flammable 3463 3 8 Liquid flammable A3 I E0 350 0.5 1 363 5 00 1 • Paint related material, flammable 3463 3 8 Liquid flammable A3 I E0 350 0.5 1 363 5 1 • Paint related material, flammable 3463 3 8 Liquid flammable A72 II E0 350 0.5 1 363 5 1 • Paint related material, flammable 3463 3 8 Liquid flammable A72 II E2 352 0.5 1 363 5 1 363 5 1 363 5 1 363 5 1 363 5 1 363 5 1 363 5 1	ŧ	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid	3469	3	8	· &		A3		E2	352 Y340 354	1 L 0.5 L 5 L	363	5 L
Paint related material, flammable, corrosive (including paint thinning or reducing compound) 3469 3 8 Liquid flammable Corrosive V 1 E0 350 0.5 L 360 2.5 L * Paint related material, flammable or reducing compound) 3469 3 8 Liquid flammable Corrosive A3 1 E0 350 0.5 L 360 2.5 L * Paint related material, flammable or reducing compound) 3469 3 8 Liquid flammable Corrosive A3 1 E0 350 0.5 L 360 2.5 L * Paint related material, flammable or reducing compound) 3469 3 8 Liquid flammable Corrosive A3 1 E0 350 0.5 L 360 2.5 L 365 60 L * Paint, corrosive, flammable (including paint thinning or reducing compound) 3470 8 3 Corrosive (Liquid flammable Liquid flammable Lincluid tacquer, enameLin Liquid flammable Lig L	¢	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid	3469	3	8	&		A72	II	E2	352 Y340 354	1 L 0.5 L 5 L	363	5 L
corrosive (including paint thinning) or reducing compound) or ethologic compound) <tho compound)<="" th=""> or ethologic co</tho>											Y342	1L		
corrosive (including paint thinning or reducing compound) a	*	corrosive (including paint thinning	3469	3	8	&				E2	352 Y340 354	1 L 0.5 L 5 L	363	5 L
Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)347083Corrosive & Liquid flammableA72IIE28511 L V84085530 L#Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)347083Corrosive & Liquid flammableA72IIE28511 L V84085530 L#Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)347083Corrosive & BA72IIE28511 L V84085530 L*Paint related material corrosive, flammable (including paint thinning or reducing compound)347083Corrosive & BA72IIE28511 L V84085530 L#Paint related material corrosive, flammable (including paint thinning or reducing compound)347083Corrosive & AA72IIE28511 L V84085530 L#Paint related material corrosive, flammable (including paint thinning or reducing compound)347083Corrosive AA72II AE28511 L V84085530 L#Paint related material corrosive, flammable (including paint thinning)347083Corrosive AA72II A <t< td=""><td>¢</td><td>corrosive (including paint thinning</td><td>3469</td><td>3</td><td>8</td><td>&</td><td></td><td>A72</td><td>II</td><td>E2</td><td>352 Y340 354</td><td>1 L 0.5 L 5 L</td><td>363</td><td>5 L</td></t<>	¢	corrosive (including paint thinning	3469	3	8	&		A72	II	E2	352 Y340 354	1 L 0.5 L 5 L	363	5 L
 (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filam filer and liquid lacquer base) Paint related material corrosive, flammable (including paint thinning or reducing compound) 3470 8 3 Corrosive & Liquid flammable A192 A192 A192 B A192 A192 B Corrosive & A72 E2 B51 E2 E31 E4 E5 E4 E5 E4 E5 E5 E4 E5 E6 E7 E7<	*	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid	3470	8	3	&			II	E2			855	30 L
Paint related material corrosive, flammable (including paint thinning or reducing compound) 3470 8 3 Corrosive & Liquid flammable A72 II E2 851 1 L 0.5 L 855 30 L # Paint related material corrosive, flammable (including paint thinning flammable flammable flammable (including paint thinning flammable flammable flammable flammable (including paint thinning flammable flammable flammable flammable flammable (including paint thinning flammable fl	¥	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid	3470	8	3	&		A192	II	E2			855	30 L
flammable (including paint thinning	*	flammable (including paint thinning or reducing compound)		8	3	& Liquid flammable			II	E2			855	30 L
	:	flammable (including paint thinning	3470	8	3	&			II	E2			855	30 L

|--|

	5-2-12												
										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183	=	EO	See	965	See	965
¥	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183		EO	See	965	See	965
*	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185	-	EO	967	5 kg	967	35 kg
¥	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185		EO	967	5 kg	967	35 kg
*	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185		EO	966	5 kg	966	35 kg
¥	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185		EO	966	5 kg	966	35 kg
*	Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		EO	971	No limit	971	No limit
¥	Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499	9		Miscellaneous		A186		EO	971	No limit	971	No limit

 ≠ Merci manu + Urani matei than (or fiss + Capa energ than 0 + Packa uncle + Adso 	1 rcury contained in nufactured articles rcury contained in nufactured articles rcury contained in nufactured articles nuium hexafluoride, radioactive terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted bacitor, asymmetric (with an prgy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3508 3509 3510	8 8 9	Sub- sidiary risk 4 6.1 6.1 7	Labels 5 Corrosive & Toxic Corrosive & Toxic Corrosive & Radioactive Miscellaneous	State varia- tions 6	Special provi- sions 7 A48 A69 A191 A48 A69 A191 A139 A194	UN packing group 8 III	Excepted quantity 9 E0 E0 E0	Passenge Packing instruction 10 869 869 869	er aircraft Max. net quantity per package 11 No limit No limit 877	Cargo	aircraft Max. net quantity per package 13 No limit
 ≠ Merci manu + Urani matei than (or fiss + Capa energ than 0 + Packa uncle + Adso 	rcury contained in nufactured articles rcury contained in nufactured articles nufactured articles num hexafluoride, radioactive terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an ergy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s.	No. 2 3506 3506 3507 3508 3509 3510	or divi- sion 3 8 8 8 8 8 8 8 8 9 9	sidiary risk 4 6.1 6.1	5 Corrosive & Toxic Corrosive & Toxic Corrosive & Radioactive	varia- tions	provisions 7 A48 A69 A191 A48 A69 A191 A139	packing group 8	guantity 9 E0 E0	instruction 10 869 869	quantity per package 11 No limit No limit	instruction 12 869	quantity per package 13 No limit
 ≠ Merci manu + Urani matei than (or fiss + Capa energ than 0 + Packa uncle + Adso 	rcury contained in nufactured articles rcury contained in nufactured articles inium hexafluoride, radioactive terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an ergy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s.	3506 3506 3507 3508 3509 3510	8 8 8 9 9	6.1	Corrosive & Toxic Corrosive & Toxic Corrosive & Radioactive	6	A48 A69 A191 A48 A69 A191 A139	V	E0 E0	869 869	No limit No limit	869	No limit
 ≠ Merci manu + Urani matei than (or fiss + Capa energ than 0 + Packa uncle + Adso 	nufactured articles rcury contained in nufactured articles terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an ergy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3506 3507 3508 3509 3510	8 8 9	6.1	& Toxic Corrosive & Toxic Corrosive & Radioactive		A69 A191 A48 A69 A191 A139		E0	869	No limit		
 ≠ Merci manu + Urani matei than (or fiss + Capa energ than 0 + Packa uncle + Adso 	nufactured articles rcury contained in nufactured articles terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an ergy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3506 3507 3508 3509 3510	8 8 9 9	6.1	& Toxic Corrosive & Toxic Corrosive & Radioactive		A69 A191 A48 A69 A191 A139		E0	869	No limit		
 manu Urani matei than (or fiss) Capa energ than (+ Packa uncle Adso Corro 	nufactured articles mium hexafluoride, radioactive terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an ergy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3507 3508 3509 3510	9		& Toxic Corrosive & Radioactive		A69 A191 A139	ı				869	No limit
 materithan (or fiss + Capa energ than (+ Packá uncle + Adso - Corro + Adso 	terial, excepted package, less n 0.1 kg per package, non-fissile issile-excepted pacitor, asymmetric (with an orgy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3508 3509 3510	9	7	& Radioactive			I	E0	See	877		
 energ than (Packa uncle Adso Corro 	orgy storage capacity greater n 0.3Wh) ckaging discarded, empty, cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3509 3510	9		Miscellaneous							See	877
uncle + Adso + Adso + Adso + Adso + Adso n.o.s. + Adso n.o.s. + Adso r.o.s. + Adso r.o.s. + Adso	cleaned sorbed gas, flammable, n.o.s. sorbed gas, n.o.s.*	3510					A196		E0	971	No limit	971	No limit
+ Adso + Adso + Adso + Adso n.o.s. + Adso n.o.s. + Adso corro + Adso	sorbed gas, n.o.s.*								E0	FORBI	DDEN	FORBI	DDEN
 + Adso + Adso + Adso n.o.s. + Adso n.o.s. + Adso r.o.s. + Adso r.o.s. + Adso corro + Adso 	_		2.1		Gas flammable				E0	FORBI	DDEN	219	150 kg
+ Adso + Adso n.o.s. + Adso n.o.s. + Adso corro + Adso corro		3511	2.2		Gas non-flammable				E0	219	75 kg	219	150 kg
+ Adso n.o.s. + Adso n.o.s. + Adso n.o.s. + Adso corro + Adso	sorbed gas, toxic, n.o.s.*	3512	2.3						E0	FORBI	DDEN	FORBI	DDEN
 n.o.s. + Adso n.o.s. + Adso n.o.s. + Adso corro + Adso corro 	sorbed gas, oxidizing, n.o.s.*	3513	2.2	5.1	Gas non-flammable & Oxidizer				E0	219	75 kg	219	150 kg
n.o.s. + Adso n.o.s. + Adso corro + Adso corro	sorbed gas, toxic, flammable, .s.*	3514	2.3	2.1					E0	FORBI	DDEN	FORBI	DDEN
n.o.s. + Adso corro + Adso corro	sorbed gas, toxic, oxidizing, .s.*	3515	2.3	5.1					E0	FORBI	DDEN	FORBI	DDEN
corro + Adso corro	sorbed gas, toxic, corrosive, .s.*	3516	2.3	8					E0	FORBI	DDEN	FORBI	DDEN
corro	sorbed gas, toxic, flammable, rosive, n.o.s.*	3517	2.3	2.1 8					E0	FORBI	DDEN	FORBI	DDEN
_	sorbed gas, toxic, oxidizing, rosive, n.o.s.*	3518	2.3	5.1 8					E0	FORBI	DDEN	FORBI	DDEN
+ Boro	ron trifluoride, adsorbed	3519	2.3	8					E0	FORBI	DDEN	FORBI	DDEN
+ Chlor	orine, adsorbed	3520	2.3	5.1 8					E0	FORBI	DDEN	FORBI	DDEN
+ Silico	con tetrafluoride, adsorbed	3521	2.3	8					E0	FORBI	DDEN	FORBI	DDEN
+ Arsin	ine, adsorbed	3522	2.3	2.1					E0	FORBI	DDEN	FORBI	DDEN
+ Germ	rmane, adsorbed	3523	2.3	2.1					E0	FORBI	DDEN	FORB	DDEN
+ Phos adsor	osphorus pentafluoride,	3524	2.3	8					E0	FORBI	DDEN	FORBI	DDEN
+ Phos	sorbed	3525	2.3	2.1					E0	FORBI	DDEN	FORBI	DDEN
+ Hydro	osphine, adsorbed	3526	2.3	2.1					E0	FORBI	DDEN	FORBI	DDEN

2013-2014 EDITION

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 " \neq " 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

										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	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
*	Actinolite, see White asbestos, etc.												
¥	Actinolite, see Asbestos, amphibole (UN No. 2212)												
+	Adsorbed gas, n.o.s.*	3511	2.2		Gas non-flammable				E0	219	75 kg	219	150 kg
+	Adsorbed gas, flammable, n.o.s.	3510	2.1		Gas flammable				E0	FORB	DDEN	219	150 kg
+	Adsorbed gas, oxidizing, n.o.s.*	3513	2.2	5.1	Gas non-flammable & Oxidizer				E0	219	75 kg	219	150 kg
+	Adsorbed gas, toxic, n.o.s.*	3512	2.3						E0	FORB	DDEN	FORB	DDEN
+	Adsorbed gas, toxic, corrosive, n.o.s.*	3516	2.3	8					E0	FORB	DDEN	FORB	DDEN
+	Adsorbed gas, toxic, flammable, n.o.s.*	3514	2.3	2.1					E0	FORB	DDEN	FORB	DDEN
+	Adsorbed gas, toxic, flammable, corrosive, n.o.s.*	3517	2.3	2.1 8					EO	FORB	DDEN	FORB	DDEN
+	Adsorbed gas, toxic, oxidizing, n.o.s.*	3515	2.3	5.1					E0	FORB	DDEN	FORB	DDEN
+	Adsorbed gas, toxic, oxidizing, corrosive, n.o.s.*	3518	2.3	5.1 8					E0	FORB	DDEN	FORB	DDEN
	\checkmark	✓	✓	✓	✓			✓		✓	✓		
*	Air bag inflators †	0503	1.4G		Explosive 1.4		A32 A56		EO	FORB	DDEN	135	75 kg
>													
	\checkmark		✓	✓				✓		✓	✓		
*	Air bag inflators †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119	III	EO	961	25 kg	961	100 kg
>													

										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	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
	\checkmark				\checkmark			✓		✓	\checkmark		✓
*	Air bag modules †	0503	1.4G		Explosive 1.4		A32 A56		EO	FORBI	DDEN	135	75 kg
>													
*	✓ Air bag modules †	3268	9		✓ Miscellaneous	BE 3 US 16	A32 A115 A119		EO	9 61	∨ 25 kg	∨ 961	∨ 100 kg
>													
*	Ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	0222	1.1D							FORB	DDEN	FORBI	DDEN
¥	Ammonium nitrate	0222	1.1D							FORB	DDEN	FORB	DDEN
								✓					
*	Ammunition, tear-producing, non- explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1	II	EO	FORB	DDEN	679	50 kg
¥	Ammunition, tear-producing, non- explosive without burster or expelling charge, non-fuzed	2017	6.1	8	Toxic & Corrosive	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORB	DDEN	679	50 kg
*	Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1	-	EO	FORB	DDEN	679	75 kg
¥	Ammunition, toxic, non-explosive without burster or expelling charge, non-fuzed	2016	6.1		Toxic	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORBI	DDEN	679	75 kg

	J-2-4												Faits
										Passenge	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing	Max. net quantity per package	Packing	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Amosite, see Brown asbestos												
,	Amonito and Achastan amphibala												
¥	Amosite, see Asbestos, amphibole (UN No. 2212)												
+	Amphibole asbestos, see Asbestos , amphibole (UN No. 2212)												
	\checkmark												
*	Anthophyllite, see White asbestos, etc.												
¥	Anthophyllite, see Asbestos, amphibole (UN No. 2212)												
+	Arsine, adsorbed	3522	2.3	2.1					E0	FORB	DDEN	FORB	DDEN
*	Articles, pressurized, hydraulic	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
	containing non-flammable gas						A114					_,,,	
¥	Articles, pressurized, hydraulic containing non-flammable gas	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
	containing non-naminable gas						A114						
							A195						
*	Articles, pressurized, pneumatic containing non-flammable gas	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
							A114						
≠	Articles, pressurized, pneumatic	3164	2.2		Gas non-flammable		A48		E0	208	No limit	208	No limit
•	containing non-flammable gas	0.07					A114			_00			
							A195						
*	Asbestos †, see Blue asbestos (UN												
	No. 2212), Brown asbestos (UN No. 2212) or White asbestos (UN												
	No. 2590)												
4	Ashastas t. soo Ashastas												
¥	Asbestos †, see Asbestos, amphibole (UN No. 2212) or												
	Asbestos, chrysotile (UN No. 2590)												
	INU. 2030)												
	\checkmark												
*	Blue asbestos (crocidolite) †	2240					104			FORD	DDEN	FORD	
		2212	9				A61			FORBI	DDEN	FORB	DDEN
≠	Asbestos, amphibole* (amosite,	2212	9				A61			FORB	DDEN	FORB	DDEN
	tremolite, actinolite, anthophyllite, crocidolite)†										-		

Part 3

3-2-4

$ \frac{1}{10000000000000000000000000000000000$														
Arrise d_{00}^{*}											Passeng	er aircraft	Cargo	aircraft
Image: Section (hypotle), antiophylife, tremolite) in the statistica (hypotle), tremolite) is the stati		Name		or divi-	sidiary	Labels	varia-	provi-	packing			quantity per		quantity per
• White sebasts (hyperilie, remoile) + 250 9 Macentianeous US4 A61 III E1 958 200 kg 958 200 kg # Abbestos, chrysotlie + 250 9 Macentianeous US4 A61 III E1 958 200 kg 958 200 kg • Batteries, containing sodium + 322 4.3 Danger if wet A44 A18 III E0 FORB <den< td=""> 492 No limit # Batteries, containing sodium + 322 4.3 Danger if wet A44 A44 II E0 FORB<den< td=""> 492 No limit • Boron trifluoride, adsorbed 359 2.3 8 Omger if wet A4 A65 II E0 FORB<den< td=""> FORB DEN FORB<den< td=""> FORB<den< td=""> • Brown asbestos (annosite, monoite, + 2212 9 IV Macentianeous A18 II E0 971 No limit FORB DEN • Capacitor, storage capacity greater 3208 9 IV Macentianeous A186 II E0 971 No limit</den<></den<></den<></den<></den<>		1	2	3	4	5	6	7	8	9	10	11	12	13
• White astactact (Arrysolite, terminality) 2500 9 Macetimeeous USA Act III E1 958 200 kg 958 200 kg • Asbestos, chrysolite † 250 9 Macetimeeous USA Act III E1 958 200 kg 958 200 kg • Batteries, containing addum † 322 4.3 Danger it wet Act Act III E0 FORB DEN 492 No limit • Batteries, containing addum † 322 4.3 Danger it wet Act Act E0 FORB DEN 492 No limit • Boron trifluoride, adsorbed 351 2.3 8 Act Act FO FORB DEN FORB DEN <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>														
No. No. <th>*</th> <td>White asbestos (chrysotile,</td> <td>2590</td> <td>9</td> <td></td> <td>Miscellaneous</td> <td>US 4</td> <td>A61</td> <td>Ш</td> <td>E1</td> <td>958</td> <td>200 kg</td> <td>958</td> <td>200 kg</td>	*	White asbestos (chrysotile,	2590	9		Miscellaneous	US 4	A61	Ш	E1	958	200 kg	958	200 kg
Batteries, containing sodium † 329 4.3 Danger if wett A44 IU E0 FORB Danger if wett A44 FU FOR FORB A92 No limit Foron trifluoride, adsorbed S13 2.3 8 S S FOR	¥	Asbestos, chrysotile †	2590	9		Miscellaneous	US 4	A61		E1	958	200 kg	958	200 kg
 Boron trifluoride, adsorbed 359 2.3 8 A183 E0 FORB_DEN FORB_DEN FORB_DEN FORB_DEN Brown asbestos (amosite, mysorite) † Image: Image: Image:	*	Batteries, containing sodium †	3292	4.3		Danger if wet				E0	FORB	IDDEN	492	No limit
Image: construct output bases (amosite, mysorite) 1 2°_{12} 3°_{12} <th>¥</th> <td>Batteries, containing sodium †</td> <td>3292</td> <td>4.3</td> <td></td> <td>Danger if wet</td> <td></td> <td></td> <td></td> <td>E0</td> <td>FORB</td> <td>IDDEN</td> <td>492</td> <td>No limit</td>	¥	Batteries, containing sodium †	3292	4.3		Danger if wet				E0	FORB	IDDEN	492	No limit
Brown asbestos (amosile, mysorite) † 2212 9 I Icease A61 Icease FORB DEN FORB DEN Capacitor, electior, asymmetric (with an energy storage capacity greater than 0.3 Wh) 3508 9 Icease A196 Icease E0 971 No limit 971 No limit Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) 3499 9 Icease Icease A186 Icease E0 971 No limit 971 No limit Icease Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) 3499 9 Icease Ansoellaneous A186 Icease E0 971 No limit 971 No limit Icease Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) 3499 9 Icease Danger if wet A94 Intege E0 971 No limit 971 No limit Icease Cease	+													
·Capacitor, asymmetric (with an energy storage capacity greater than 0.3Wh)35089IMiscelianeousA 196E0971No limit971No limit·Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)349999MiscelianeousA 186E0971No limit971No limit#Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)349999MiscelianeousA 186E0971No limit971No limit#Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh)349999MiscelianeousA 186E0971No limit971No limit#Cells, containing sodium †32924.3CDanger if wetA 494IIE049225 kg492No limit#Cells, containing sodium †32924.3CDanger if wetA 444IIE049225 kg492No limit#Cells, containing sodium †3264.3CMiscelianeousA 444IIE096010 kg96010 kg#Chemical kit3169AMiscelianeousA 444IIIE096010 kg96010 kg#Chemical kit3202.35.1IIIIIE0FORBFORBFORBDENFORBDEN	*	Brown asbestos (amosite,			V									
energy storage capacity greater than 0.3Wh) Image:	>													
· Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) 3499 9 Miscellaneous A186 I. E0 971 No limit 971 No limit # Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) 3499 9 9 Miscellaneous A186 I. E0 971 No limit 971 No limit • Cells, containing sodium † 3292 4.3 I. Danger if wet A94 A94 II E0 971 No limit 971 No limit # Cells, containing sodium † 3292 4.3 I. Danger if wet A94 II E0 492 25 kg 492 No limit # Cells, containing sodium † 3292 4.3 I. Danger if wet A94 II E0 492 25 kg 492 No limit # Cells, containing sodium † 3292 4.3 I. Danger if wet A94 II E0 492 25 kg 492 No limit # Chemical kit 3316 9 Miscella	+	energy storage capacity greater	3508	9		Miscellaneous		A196		E0	971	No limit	971	No limit
(with an energy storage capacity greater than 0.3 Wh) Image: Single Capacity greater than 0.3 Wh) <td< td=""><th>*</th><td>Capacitor, electric double layer (with an energy storage capacity</td><td>3499</td><td>9</td><td></td><td>Miscellaneous</td><td></td><td>A186</td><td></td><td>EO</td><td>971</td><td>No limit</td><td>971</td><td>No limit</td></td<>	*	Capacitor , electric double layer (with an energy storage capacity	3499	9		Miscellaneous		A186		EO	971	No limit	971	No limit
· Cells, containing sodium † 3292 4.3 Danger if wet A94 II E0 492 25 kg 492 No limit # Cells, containing sodium † 3292 4.3 Danger if wet A94 II E0 492 25 kg 492 No limit * Cells, containing sodium † 3292 4.3 Imager if wet A94 Imager if wet A94 Imager if wet A94 Imager if wet E0 492 25 kg 492 No limit * Chemical kit 3316 9 A Miscellaneous A44 Imager if wet Imager if wet Miscellaneous A44 Imager if wet A44 <td< td=""><th>¥</th><td>(with an energy storage capacity</td><td>3499</td><td>9</td><td></td><td>Miscellaneous</td><td></td><td>A186</td><td></td><td>EO</td><td>971</td><td>No limit</td><td>971</td><td>No limit</td></td<>	¥	(with an energy storage capacity	3499	9		Miscellaneous		A186		EO	971	No limit	971	No limit
★ Chemical kit 3316 9 Miscellaneous A44 A163 II E0 960 Y960 10 kg 1 kg 960 10 kg 960 960 10 kg 1 kg 960 10 kg 10 kg ≠ Chemical kit 3316 9 Miscellaneous A44 A163 II E0 960 10 kg <	*	Cells, containing sodium †	3292	4.3		Danger if wet		A94		E0	492	25 kg	492	No limit
* Chemical kit 3316 9 Miscellaneous A44 A163 E0 960 Y960 10 kg 1 kg 960 10 kg # Chemical kit 3316 9 J Miscellaneous A44 A163 II E0 960 10 kg 960 10 kg # Chemical kit 3316 9 J Miscellaneous A44 A163 II E0 960 10 kg 960 10 kg <t< td=""><th>¥</th><td>Cells, containing sodium †</td><td>3292</td><td>4.3</td><td></td><td>Danger if wet</td><td></td><td>A94</td><td></td><td>E0</td><td>492</td><td>25 kg</td><td>492</td><td>No limit</td></t<>	¥	Cells, containing sodium †	3292	4.3		Danger if wet		A94		E0	492	25 kg	492	No limit
+ Chlorine, adsorbed 3520 2.3 5.1 A163 III Y960 1 kg 960 10 kg 960 10 kg + Chlorine, adsorbed 3520 2.3 5.1 E0 FORB DDEN FORB DDEN FORB DDEN	*	Chemical kit	3316	9		Miscellaneous				E0	960	-	960	10 kg
	¥	Chemical kit	3316	9		Miscellaneous				EO	Y960 960	1 kg 10 kg		-
	+	Chlorine, adsorbed	3520	2.3						EO	FORB	IDDEN	FORBI	DDEN

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										Passenge	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	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
*	Chrysotile, see White asbestos, etc.												
¥	Chrysotile, see Asbestos, chrysotile (UN 2590), etc.												
*	Crocidolite, see Blue asbestos												
¥	Crocidolite, see Asbestos, amphibole (UN No. 2212)												
*	Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	▲▲A97A158	111	E1	964 Y964	450 L 30 kg G	964	450 L
¥	Environmentally hazardous substance, liquid, n.o.s.*	3082	9		Miscellaneous	CA 13 DE 5 US 4	A158	111	E1	964 Y964	450 L 30 kg G	964	450 L
*	Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4	 ▲97 ▲158 ▲179 	Ш	E1	956 Y956	400 kg 30 kg G	956	400 kg
¥	Environmentally hazardous substance, solid, n.o.s.*	3077	9		Miscellaneous	CA 13 DE 5 US 4		111	E1	956 Y956	400 kg 30 kg G	956	400 kg
*	First aid kit	3316	9		Miscellaneous		A44 A163		E0	✓960Y960	10 kg 1 kg	960	10 kg
≠	First aid kit	3316	9		Miscellaneous		A44	11	E0	960	10 kg	960	10 kg
							A163	Ш	EO	Y960 960 Y960	1 kg 10 kg 1 kg	960	10 kg
+	Germane, adsorbed	3523	2.3	2.1					E0	FORBI	DDEN	FORB	DDEN
+	Hydrogen selenide, adsorbed	3526	2.3	2.1					E0	FORBI	DDEN	FORB	DDEN

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				Sub- sidiary						Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion		Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Life-saving appliances, not self- inflating containing dangerous goods as equipment	3072	9		Miscellaneous		 A48 A87 		EO	see 955	No limit	see 955	No limit
¢	Life-saving appliances, not self- inflating containing dangerous goods as equipment	3072	9		Miscellaneous		A48 A87 A182		EO	see 955	No limit	see 955	No limit
*	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183	=	EO	See	965	See	965
¥	Lithium ion batteries (including lithium ion polymer batteries)	3480	9		Miscellaneous	US 3	A88 A99 A154 A164 A183		EO	See	965	See	965
*	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185	=	EO	967	5 kg	967	35 kg
¥	Lithium ion batteries contained in equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A48 A99 A154 A164 A181 A185		EO	967	5 kg	967	35 kg
*	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185	=	EO	966	5 kg	966	35 kg
¥	Lithium ion batteries packed with equipment (including lithium ion polymer batteries)	3481	9		Miscellaneous	US 3	A88 A99 A154 A164 A181 A185		EO	966	5 kg	966	35 kg

							a- provi-			Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions		UN packing group	Excepted quantity		Max. net quantity per package	Packing	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183	=	EO	See	968	See	968
ŧ	Lithium metal batteries (including lithium alloy batteries) †	3090	9		Miscellaneous	US 2 US 3	A88 A99 A154 A164 A183		EO	See	968	See	968
*	Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185	=	EO	970	5 kg	970	35 kg
¥	Lithium metal batteries contained in equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A48 A99 A154 A164 A181 A185		EO	970	5 kg	970	35 kg
*	Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185	=	EO	969	5 kg	969	35 kg
¥	Lithium metal batteries packed with equipment (including lithium alloy batteries) †	3091	9		Miscellaneous	US 2 US 3	A99 A154 A164 A181 A185		EO	969	5 kg	969	35 kg
+	Mercurous chloride, see Mercury compound, solid, n.o.s. (UN No. 2025)												

			0	Sub- sidiary				ial UN		Passeng	er aircraft	Cargo	
	Name	UN No.	Class or divi- sion		Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
								✓					
*	Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191		EO	869	No limit	869	No limit
¥	Mercury contained in manufactured articles	3506	8	6.1	Corrosive & Toxic		A48 A69 A191		EO	869	No limit	869	No limit
*	V Mysorite, see Brown asbestos												
¥	Mysorite, see Asbestos, amphibole (UN No. 2212)												
*	Oxygen generator, chemical † (including when contained in associated equipment, e.g. passenger service units (PSUs), protective breathing equipment (PBE), etc.)	3356	5.1		Oxidizer	AU 1 CA 7 FR 7 IR 3 NL 1 US 3 US 18	A1 A111 A116 A144	=	EO	FORB	DDEN	565	25 kg
¥	Oxygen generator, chemical † (including when contained in associated equipment, e.g.	3356	5.1		Oxidizer	AU 1 CA 7	A1 A111		E0	FORBI	DDEN	565	25 kg
	passenger service units (PSUs), protective breathing equipment (PBE), etc.)					FR 7 IR 3 NL 1 US 3 US 18	A116 A144						
÷	Packaging discarded, empty, uncleaned	3509	9						EO	FORB	DDEN	FORB	DDEN

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										Passenge	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable		A3 A72	1 11 111	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
¥	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263	3		Liquid flammable		A3 A72 A192	1	E3 E2 E1	351 353 Y341 355 Y344	1 L 5 L 1 L 60 L 10 L	361 364 366	30 L 60 L 220 L
*	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		A3 A72	11	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
¥	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066	8		Corrosive		A3 A72 A192	11	E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
*	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable		✓	II	E2	851 Y840	1 L 0.5 L	855	30 L
¢	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470	8	3	Corrosive & Liquid flammable		A72 A192	11	E2	851 Y840	1 L 0.5 L	855	30 L

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										Passenger aircraft		aft Cargo aircraft	
			Class or	Sub-		State	Special	UN		Passenge	er aircraft Max. net quantity	Cargo	aircraft Max. net quantity
	Name	UN No.	divi- sion	sidiary risk	Labels	varia- tions	provi- sions	packing group	Excepted quantity	Packing instruction	per package	Packing instruction	per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Paint, flammable, corrosive	3469	3	8	Liquid flammable		✓ A3	I	E0	350	0.5 L	360	2.5 L
	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)				& Corrosive		A72	 	E2 E1	352 Y340 354 Y342	1 L 0.5 L 5 L 1 L	363 365	5 L 60 L
¥	Paint, flammable, corrosive (including paint, lacquer, enamel,	3469	3	8	Liquid flammable &		A3	Ι	E0	350	0.5 L	360	2.5 L
	filler and liquid lacquer base)				Corrosive		A72 A192		E2 E1	352 Y340 354 Y342	1 L 0.5 L 5 L 1 L	363 365	5 L 60 L
*	Paint related material (including paint thinning or reducing compound)	1263	3		Liquid flammable		A3 A72	 	E3 E2 E1	351 353 Y341 355	1 L 5 L 1 L 60 L	361 364 366	30 L 60 L 220 L
¥	Paint related material (including paint thinning or reducing	1263	3		Liquid flammable		A3 A72	1	E3 E2	Y344 351 353	10 L 1 L 5 L	361 364	30 L 60 L
	compound)						A192		E1	Y341 355 Y344	1 L 60 L 10 L	366	220 L
*	Paint related material (including				Corrosive				50				
	paint thinning or reducing compound)	3066	8		Conosive		A3 A72		E2 E1	851 Y840 852 Y841	1 L 0.5 L 5 L 1 L	855 856	30 L 60 L
¥	Paint related material (including paint thinning or reducing	3066	8		Corrosive		A3 A72	11	E2	851 Y840	1 L 0.5 L	855	30 L
	compound)						A192	III	E1	852 Y841	5 L 1 L	856	60 L
*	Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable		A72	II	E2	851 Y840	1 L 0.5 L	855	30 L
¥	Paint related material corrosive, flammable (including paint thinning or reducing compound)	3470	8	3	Corrosive & Liquid flammable		A72 A192	II	E2	851 Y840	1 L 0.5 L	855	30 L

										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
*	Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3469	3	8	Liquid flammable & Corrosive		 A3 A72 	 	E0 E2	350 352	0.5 L 1 L	360 363	2.5 L 5 L
								ш	E1	Y340 354 Y342	0.5 L 5 L 1 L	365	60 L
¥	Paint related material, flammable, corrosive (including paint thinning	3469	3	8	Liquid flammable &		A3	I	E0	350	0.5 L	360	2.5 L
	or reducing compound)				Corrosive		A72 A192	II	E2	352 Y340	1 L 0.5 L	363	5 L
							1152	III	E1	354 Y342	5 L 1 L	365	60 L
+	Phosphine, adsorbed	3525	2.3	2.1					E0	FORB	DDEN	FORB	IDDEN
+	Phosphorus pentafluoride, adsorbed	3524	2.3	8					E0	FORB	DDEN	FORB	IDDEN
*	Printing ink, flammable	1210	3		Liquid flammable		A3	1	E3	351	1 L	361	30 L
							A72	Ш	E2	353 Y341	5 L 1 L	364	60 L
								III	E1	355 Y344	60 L 10 L	366	220 L
¥	Printing ink, flammable	1210	3		Liquid flammable		A3	1	E3	351	1 L	361	30 L
							A72 A192	П	E2	353 Y341	5 L 1 L	364	60 L
								Ш	E1	355 Y344	60 L 10 L	366	220 L
*	Printing ink related material (including printing ink thinning or	1210	3		Liquid flammable		A3 A72	 	E3 E2	351 353	1 L 5 L	361 364	30 L 60 L
	reducing compound), flammable						1112			Y341	1 L	004	00 L
								III	E1	355 Y344	60 L 10 L	366	220 L
¥	Printing ink related material (including printing ink thinning or	1210	3		Liquid flammable		A3	1	E3	351	1 L	361	30 L
	reducing compound), flammable						A72 A192	Ш	E2	353 Y341	5 L 1 L	364	60 L
								III	E1	355 Y344	60 L 10 L	366	220 L
*	Radioactive material, excepted package — limited quantity of material	2910	7		None		A23 A130			Se	e Part 2;7		
¥	Radioactive material, excepted package — limited quantity of material	2910	7		None		A130 A193			Se	ee Part 1;6		

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Part 3

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										Passeng	er aircraft	Cargo	aircraft
	Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
	1	2	3	4	5	6	7	8	9	10	11	12	13
+	Refrigerant gas R 1113	1082	2.3	2.1		AU 1 CA 7 IR 3 NL 1 US 3	A2			FORB	DDEN	FORB	DDEN
*	✓ Seat-belt pretensioners †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119		EO	961	25 kg	961	100 kg
¥	Safety devices, electrically initiated †	3268	9		Miscellaneous	BE 3 US 16	A32 A115 A119		EO	961	25 kg	961	100 kg
*	Seat-belt pretensioners †	0503	1.4G		Explosive 1.4		A32 A56		EO	FORB	DDEN	135	75 kg
¥	Safety devices, pyrotechnic †	0503	1.4G		Explosive 1.4		A32 A56		EO	FORB	DDEN	135	75 kg
+	Silicon tetrafluoride, adsorbed	3521	2.3	8					E0	FORB	DDEN	FORB	DDEN
*	Talcum with tremolite and/or actinolite, see White asbestos, etc.												
¥	Talcum with tremolite and/or actinolite, see Asbestos , amphibole (UN No. 2212)												
*	Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1	"	EO	FORB	DDEN	679	50 kg
¥	Tear gas candles	1700	6.1	4.1	Toxic & Solid flammable	AU 1 CA 7 IR 3 NL 1 US 3	A1		EO	FORB	DDEN	679	50 kg
*	Tremolite, see White asbestos, etc.												
¥	Tremolite, see Asbestos, amphibole (UN No. 2212)												

									- 1 0000/1g	er aircraft	Guigo	aircraft
Name	UN No.	Class or divi- sion	Sub- sidiary risk	Labels	State varia- tions	Special provi- sions	UN packing group	Excepted quantity	Packing instruction	Max. net quantity per package	Packing instruction	Max. n quanti per packag
1	2	3	4	5	6	7	8	9	10	11	12	13
Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	3507	8	7	Corrosive & Radioactive		A139 A194	I	EO	See	877	See	877

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Part 3