

Transportation of Dangerous Goods Act and Regulations

Replacement Instructions for Amendment SOR/2017-253 (Marine Provisions), published December 13, 2017

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Part 4	Replace: 1/2 and 3/4	2
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Schedule 3	Replace: 15/16, 45/46, 51/52, 63/64, 87/88, 91/92, 95/96, 99/100, 107/108	9
TDG Act		0
Resources	Replace: 1/2	1
	Add: 73/74 to 85/86 (new content at the end of the section)	7
TOTAL		136 sheets

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Danatec Educational Services Ltd.

Transportation of Dangerous Goods Regulations

TDG Regulations
TDG Act



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PART 1

Coming into Force, Repeal, Interpretation, General Provisions and Special Cases

1.1 Coming into Force

These Regulations come into force 12 months after the day on which they are published in Part II of the Canada Gazette.

Effective date

1.2 Repeal

On the day these Regulations come into force, the “Transportation of Dangerous Goods Regulations”, as made by Order in Council P.C. 1985-147 dated January 17, 1985 and registered as SOR/85-77, are repealed.

Repeal of 1985 Regulations

1.3 Interpretation

(1) Anything written in italics in these Regulations is not part of the Regulations.

Use of italics

(2) In these Regulations,

(a) “must” is imperative and “may” is permissive;

“Must” and “may”

(b) the words “on”, “in” or “by” are synonymous when they are associated with the defined term “road vehicle”, “railway vehicle”, “vessel” or “aircraft”;

“On”, “in” and “by”

(c) pressure expressed in kPa is gauge pressure unless designated as absolute pressure, except for vapour pressure, which is always absolute pressure;

Pressure

(d) shipping names listed in Schedule 1 may be

Shipping names

(i) written in the singular or plural,

- singular or plural

(ii) written in upper or lower case letters, except that when the shipping name is followed by the descriptive text associated with the shipping name the descriptive text must be in lower case letters and the shipping name must be in upper case letters (capitals),

- upper or lower case

(iii) in English only, put in a different word order as long as the full shipping name is used and the word order is a commonly used one; and
For example, “AMMONIA, ANHYDROUS” may be written “ANHYDROUS AMMONIA” and “SULPHUR, MOLTEN” may be written “MOLTEN SULPHUR”.

- word order

(iv) for solutions and mixtures, followed by the word “SOLUTION” or “MIXTURE”, as appropriate, and may include the concentration of the solution or mixture; and

- solutions and mixtures

(v) for waste, preceded or followed by the word “WASTE” or “DÉCHET”;

- waste

1.3 Interpretation *continued*

- (e) a symbol set out in column 1 of the following table represents the corresponding unit of measure set out in column 2:

Symbols

TABLE

Column 1 Symbol	Column 2 Unit of Measure
Bq	becquerel
°C	degree Celsius
ft ³	cubic feet
g	gram
h	hour
Hz	hertz
J	joule
J/g	joules per gram
kg	kilogram
kBq/kg	kilobecquerels per kilogram
km	kilometre
km/h	kilometres per hour
kPa	kilopascal
L	litre
L/kg	litres per kilogram
LC	lethal concentration
LD	lethal dose
m	metre
m ³	cubic metre
mg	milligram
mg/kg	milligrams per kilogram
mg/L	milligrams per litre
mL	millilitre
mL/m ³	millilitres per cubic metre
mm	millimetre
mph	miles per hour
MPa	megapascal
mSv/h	millisieverts per hour
psig	pounds per square inch, gauge
µSv/h	microsieverts per hour
µm	micrometre

- (f) when the word “placard” is used, it refers to a specific placard illustrated in the Appendix to Part 4, Dangerous Goods Safety Marks, but when a placard is required or permitted to be displayed, the singular includes the plural and it means the appropriate number of that placard required by Part 4;

Reference to placards

dust	means a mixture of <u>solid</u> particles and air in which 90 per cent or more of the <u>solid</u> particles have a diameter less than or equal to 10 µm. <i>The concentration of these suspended particles in air is measured as milligrams of solid particles per litre of air (mg/L).</i>	<i>(poussière)</i>
emergency	means an immediate danger to <u>public safety</u> (a) requiring the use of <u>dangerous goods</u> to avert or mitigate the danger; or (b) arising directly or indirectly from <u>dangerous goods</u> .	<i>(urgence)</i>
emergency response assistance plan or ERAP or ERP	means a plan that outlines what is to be done if there is an accident involving certain <u>dangerous goods</u> and that is in accordance with Part 7, Emergency Response Assistance Plan.	<i>(plan d'intervention d'urgence ou PIU)</i>
employer	means a <u>person</u> who (a) employs one or more individuals; or (b) provides the services of one or more individuals and from whom the individuals receive their remuneration.	<i>(employeur)</i>
farmer	means a <u>person</u> engaged in <u>farming</u> in Canada for commercial purposes.	<i>(agriculteur)</i>
farming	means the production of field-grown crops, cultivated and uncultivated and horticultural crops, the raising of livestock, poultry and fur-bearing animals, the production of eggs, milk, honey, maple syrup, tobacco, fibre and fodder crops, but does not include aquaculture.	<i>(agriculture)</i>
fire point	means the lowest temperature at which a <u>substance</u> will ignite and will continue to burn for at least 5 seconds.	<i>(point d'inflammation)</i>
flash point	means the lowest temperature at which the application of an ignition source causes the <u>vapours</u> of a <u>liquid</u> to ignite near the surface of the <u>liquid</u> or within a test vessel. <i>The flash point is determined using the closed-cup test method referred to in Chapter 2.3 of the UN Recommendations. See paragraph 2.18(1)(a) of Part 2, Classification.</i>	<i>(point d'éclair)</i>
fuel cell	means an electrochemical device that converts the chemical energy of a fuel to electrical energy, heat and reaction products.	<i>(pile à combustible)</i>
fuel cell cartridge	means an article that stores fuel for discharge into a fuel cell through one or more valves that control the discharge of the fuel into the fuel cell.	<i>(cartouche pour pile à combustible)</i>
fuel cell engine	means a device that is used to power equipment and that consists of a fuel cell and its fuel supply, whether integrated with or separate from the fuel cell, and includes all appurtenances necessary to fulfil its function.	<i>(moteur pile à combustible)</i>

1.4 Definitions *continued*

gas	<p>means a <u>substance</u> that at 50°C has a <u>vapour</u> pressure greater than 300 kPa or that is completely gaseous at 20°C at an absolute pressure of 101.3 kPa and that is</p> <p>(a) compressed (other than in solution) so that when it is packaged under pressure for transport it remains entirely gaseous at 20°C;</p> <p>(b) liquefied so that when it is packaged for transport it is partially <u>liquid</u> at 20°C;</p> <p>(c) refrigerated so that when it is packaged for transport it is made partially <u>liquid</u> because of its low temperature; or</p> <p>(d) in solution so that when it is packaged for transport it is dissolved in a solvent.</p>	<i>(gaz)</i>
gross mass	<p>means</p> <p>(a) for a <u>means of containment</u>, the mass of the <u>means of containment</u> and all of its contents; or</p> <p>(b) for a quantity of <u>dangerous goods</u>, the gross mass of all minimum required <u>means of containment</u> used to contain the <u>dangerous goods</u>.</p> <p><i>Reference to the minimum required means of containment (see paragraph 1.3(2)(j)) clarifies that, when dangerous goods are in portable tanks required or permitted by Part 5, Means of Containment, and the portable tanks are being transported in an ISO container or in a rail boxcar, the gross mass of the dangerous goods includes the dangerous goods and the portable tank but does not include the mass of the ISO container or the rail boxcar.</i></p>	<i>(masse brute)</i>
handling <i>(from the Act)</i>	<p>means loading, unloading, packing or unpacking <u>dangerous goods</u> in a <u>means of containment</u> for the purposes of, in the course of or following transportation and includes storing them in the course of transportation.</p>	<i>(manutention)</i>
import <i>(from the Act)</i>	<p>means import into Canada, and includes transporting goods that originate from outside Canada and pass through Canada to a destination outside Canada, except when the goods are being transported on a <u>vessel</u> or <u>aircraft</u> not registered in Canada.</p>	<i>(importer)</i>
infectious substance	<p>means a <u>substance</u> known or reasonably believed to contain viable micro-organisms such as bacteria, viruses, rickettsia, parasites, fungi and other agents such as prions that are known or reasonably believed to cause disease in humans or animals and that are listed in Appendix 3 to Part 2, Classification, or that exhibit characteristics similar to a <u>substance</u> listed in Appendix 3.</p>	<i>(matière infectieuse)</i>
inland voyage	<p>has the same meaning as in subsection 100(1) of the “Cargo, Fumigation and Tackle Regulations”.</p>	<i>(voyage en eaux internes)</i>
inspector <i>(from the Act)</i>	<p>means a <u>person</u> designated as an inspector under subsection 10(1) of the <u>Act</u>.</p>	<i>(inspecteur)</i>
in standard	<p>means that a <u>means of containment</u> meets the requirements set out in section 5.2 of Part 5, Means of Containment.</p>	<i>(en règle)</i>

in transport	means that a <u>person</u> has possession of <u>dangerous goods</u> for the purposes of transportation or for the purposes of storing them in the course of transportation.	<i>(en transport)</i>
large means of containment	means a <u>means of containment</u> with a <u>capacity</u> greater than 450 L. <i>450 L is equivalent to 0.45 m³ or 15.9 ft³.</i>	<i>(grand contenant)</i>
LC₅₀	means the lowest concentration of <u>gas</u> , <u>vapour</u> , <u>mist</u> or <u>dust</u> that, when administered by continuous inhalation to both male and female young adult albino rats for one hour, results in the death within 14 days of one half of the animals. <i>The result is expressed in milligrams per litre (mg/L) of air for dust and mist, which are suspended particles, and in millilitres per cubic metre (mL/m³) of air for gas and vapour.</i>	<i>(CL₅₀)</i>
LD₅₀ (dermal)	means the lowest amount of a <u>substance</u> that, when administered by continuous contact with the bare skin of both male and female young adult albino rabbits for 24 hours, results in the death within 14 days of one half of the animals. <i>The result is expressed in milligrams per kilogram (mg/kg) of body mass.</i>	<i>(DL₅₀ – absorption cutanée)</i>
LD₅₀ (oral)	means the lowest amount of a <u>substance</u> that, when administered by mouth to both male and female young adult albino rats, results in the death within 14 days of one half of the animals. <i>The result is expressed in milligrams per kilogram (mg/kg) of body mass.</i>	<i>(DL₅₀ – ingestion)</i>
liquid	means a <u>substance</u> that (a) has a melting point less than or equal to 20°C at an absolute pressure of 101.3 kPa; or (b) is a viscous <u>substance</u> for which a specific melting point cannot be determined but that is determined to be a liquid in accordance with ASTM D 4359.	<i>(liquide)</i>
lithium content	means the mass of lithium in the anode of a lithium metal or lithium alloy cell.	<i>(quantité de lithium)</i>
means of containment <i>(from the Act)</i>	means a container or packaging, or any part of a <u>means of transport</u> that is or may be used to contain goods.	<i>(contenant)</i>
means of transport <i>(from the Act)</i>	means a <u>road or railway vehicle</u> , <u>aircraft</u> , <u>vessel</u> , pipeline or any other contrivance that is or may be used to transport <u>persons</u> or goods.	<i>(moyen de transport)</i>
Minister <i>(from the Act)</i>	means the Minister of Transport.	<i>(ministre)</i>
mist	means a mixture of <u>liquid</u> particles and air in which 90 per cent or more of the <u>liquid</u> particles have a diameter not greater than 10 µm. <i>The concentration of these suspended particles in air is measured as milligrams of liquid particles per litre of air (mg/L).</i>	<i>(brouillard)</i>

1.4 Definitions *continued*

net explosives quantity	<p>means the net mass of explosives, excluding the mass of any <u>means of containment</u>.</p> <p><i>Some explosives are articles and depend on the means of containment to achieve an explosive effect. This definition clarifies that, even in such a case, only the mass of explosives is counted. For fireworks, when the net explosives quantity is unknown, it can be calculated using special provision 4 or 5 of Schedule 2.</i></p>	<i>(quantité nette d'explosifs)</i>
neutron radiation detector	<p>means a device that detects neutron radiation and includes a device in which a gas may be contained in a hermetically sealed electron tube transducer that converts neutron radiation into a measureable electric signal.</p>	<i>(détecteur de rayonnement neutronique)</i>
offer for transport	<p>means, for <u>dangerous goods</u> not <u>in transport</u>, to select or allow the selection of a <u>carrier</u> to transport the <u>dangerous goods</u>, to prepare or allow the preparation of the <u>dangerous goods</u> so that a <u>carrier</u> can take possession of them for transport or to allow a <u>carrier</u> to take possession of the <u>dangerous goods</u> for transport.</p>	<i>(demande de transport)</i>
organization <i>(This definition reproduces the definition of “organization” in section 2 of the Criminal Code as incorporated in section 2 of the Act.)</i>	<p>means</p> <p>(a) a public body, body corporate, society, company, firm, partnership, trade union or municipality; or</p> <p>(b) an association of <u>persons</u> that</p> <ul style="list-style-type: none"> (i) is created for a common purpose, (ii) has an operational structure, and (iii) holds itself out to the public as an association of persons. 	<i>(organisation)</i>
overpack	<p>means an enclosure that is used by a single <u>consignor</u> to consolidate one or more <u>small means of containment</u> for ease of <u>handling</u> but that is not a minimum required means of containment. This definition does not include a <u>large means of containment</u> or a unit load device, as defined in the ICAO Technical Instructions, that is intended for transport by <u>aircraft</u>.</p> <p><i>Examples of overpacks include</i></p> <p><i>(a) a pallet on which are placed or stacked one or more small means of containment that are secured by straps, shrink wrap, stretch wrap, nets or other similar means; and</i></p> <p><i>(b) a disposable box, crate or bin in which one or more small means of containment are placed.</i></p>	<i>(suremballage)</i>
packing group	<p>means a group in which <u>dangerous goods</u> are included based on the inherent danger of the <u>dangerous goods</u>; Packing Group I indicates great danger, Packing Group II indicates medium danger and Packing Group III indicates minor danger.</p>	<i>(groupe d'emballage)</i>

passenger	means	<i>(passager)</i>
	(a) for a <u>vessel</u> , has the same meaning as in section 2 of the “Canada Shipping Act, 2001”; and	
	(b) for a <u>road vehicle</u> , a <u>railway vehicle</u> or an <u>aircraft</u> , a <u>person</u> carried on board the <u>means of transport</u> but does not include	
	(i) a crew member,	
	(ii) a <u>person</u> who is accompanying <u>dangerous goods</u> or other cargo,	
	(iii) an operator, owner or charterer of the <u>means of transport</u> ,	
	(iv) an employee of the operator, owner or charterer of the <u>means of transport</u> , who is acting in the course of employment, or	
	(v) a <u>person</u> carrying out inspection or investigation duties under an Act of Parliament or of a provincial legislature.	
passenger carrying aircraft	means an <u>aircraft</u> that is carrying one or more <u>passengers</u> .	<i>(aéronef de passagers)</i>
passenger carrying railway vehicle	means a <u>railway vehicle</u> that is carrying one or more <u>passengers</u> .	<i>(véhicule ferroviaire de passagers)</i>
passenger carrying road vehicle	means a <u>road vehicle</u> that is carrying one or more <u>passengers</u> .	<i>(véhicule routier de passagers)</i>
passenger carrying vessel	means a <u>vessel</u> that is carrying one or more <u>passengers</u> .	<i>(bâtiment à passagers)</i>
permit for equivalent level of safety	means an authorization issued under section 31 of the <u>Act</u> to conduct an activity in compliance with the conditions of that authorization instead of with the requirements of these Regulations.	<i>(permis de niveau de sécurité équivalent)</i>
person <i>(from the Act)</i>	means an individual or an <u>organization</u> .	<i>(personne)</i>
prescribed <i>(from the Act)</i>	means prescribed by regulations of the Governor in Council.	<i>(version anglaise seulement)</i>
primary class	means the first <u>class</u> shown in column 3 of Schedule 1.	<i>(classe primaire)</i>
protective direction	means a direction issued under section 32 of the <u>Act</u> to cease an activity or to conduct other activities to reduce any danger to <u>public safety</u> .	<i>(ordre)</i>
public safety <i>(from the Act)</i>	means the safety of human life and health and of property and the environment.	<i>(sécurité publique)</i>
radiation detection system	means an apparatus that contains a radiation detector as a component.	<i>(système de détection des rayonnements)</i>

1.4 Definitions *continued*

railway vehicle	means any vehicle that is designed to be drawn or propelled on rails by any power other than muscle power and that is being prepared for use or being used on rails.	<i>(véhicule ferroviaire)</i>
release <i>(from the Act)</i>	means, in relation to dangerous goods, (a) a discharge, emission, explosion, outgassing or other escape of dangerous goods, or any component or compound evolving from dangerous goods, from the means of containment being used to handle or transport the dangerous goods; or (b) an emission, from a means of containment being used to handle or transport dangerous goods, of ionizing radiation that exceeds a level or limit established under the “Nuclear Safety and Control Act”.	<i>(rejet)</i>
road vehicle	means any vehicle that is designed to be drawn or propelled on land, including on ice roads, by any power other than muscle power and includes a machine designed to derive support in the atmosphere from reactions against the earth’s surface of air expelled from the machine, but does not include a <u>railway vehicle</u> that operates exclusively on rails.	<i>(véhicule routier)</i>
ro-ro ship	has the same meaning as in section 1.2.1 of the IMDG Code.	<i>(navire roulier)</i>
safety mark <i>(from the Act)</i>	includes a design, symbol, device, sign, label, placard, letter, word, number or abbreviation, or any combination of these things, that is to be displayed (a) on <u>dangerous goods</u> , on <u>means of containment or transport</u> used in <u>handling</u> , <u>offering for transport</u> or transporting <u>dangerous goods</u> , or at facilities used in those activities; and (b) to show the nature of the danger or to indicate compliance with the <u>safety standards</u> prescribed for the <u>means of containment or transport</u> or the facilities. <i>See also certification safety mark and dangerous goods safety mark.</i>	<i>(indication de danger)</i>
safety requirements <i>(from the Act)</i>	means requirements for <u>handling</u> , <u>offering for transport</u> or transporting <u>dangerous goods</u> , for reporting those activities and for training <u>persons</u> engaged in those activities.	<i>(règles de sécurité)</i>
safety standards <i>(from the Act)</i>	means standards regulating the design, construction, equipping, functioning or performance of <u>means of containment</u> or facilities used or intended to be used in <u>handling</u> , <u>offering for transport</u> or transporting <u>dangerous goods</u> .	<i>(normes de sécurité)</i>
shipping document	means a document that relates to <u>dangerous goods</u> that are being <u>handled</u> , <u>offered for transport</u> or transported and that contains the information required by Part 3, Documentation, relating to the goods but does not include an electronic record.	<i>(document d’expédition)</i>
shipping name	means an entry in upper case letters (capitals) in column 2 of Schedule 1, but does not include any lower case descriptive text except for the purpose of determining the <u>classification</u> of <u>dangerous goods</u> .	<i>(appellation réglementaire)</i>

shipping record <i>(from the Act)</i>	means a record that relates to <u>dangerous goods</u> being <u>handled</u> , <u>offered for transport</u> or transported and that describes or contains information relating to the goods, and includes electronic records of information.	<i>(registre d'expédition)</i>
small means of containment	means a <u>means of containment</u> with a <u>capacity</u> less than or equal to 450 L. <i>450 L is equivalent to 0.45 m³ or 15.9 ft³.</i>	<i>(petit contenant)</i>
solid	means a <u>substance</u> that is not a <u>liquid</u> or a <u>gas</u> .	<i>(solide)</i>
special provision	means an item of Schedule 2 referred to in column 5 of Schedule 1.	<i>(disposition particulière)</i>
standardized means of containment <i>(from the Act)</i>	means a <u>means of containment</u> in relation to which a <u>safety standard</u> has been <u>prescribed</u> .	<i>(contenant normalisé)</i>
subsidiary class	means a <u>class</u> shown in parentheses in column 3 of Schedule 1.	<i>(classe subsidiaire)</i>
substance	includes an article.	<i>(matière)</i>
technical name	means the chemical name or another name currently used in a scientific or technical handbook, journal or text but does not include a trade name.	<i>(appellation technique)</i>
train	means <ul style="list-style-type: none"> (a) a train as defined in the “Canadian Rail Operating Rules”, published by The Railway Association of Canada and approved by the <u>Minister</u> under the “Railway Safety Act” on January 16, 1990, as amended to July 1, 2000; or (b) a number of <u>railway vehicles</u> coupled together moving at a velocity exceeding 24 km/h (15 mph) with at least one <u>railway vehicle</u> providing propulsion and at least one <u>railway vehicle</u> containing <u>dangerous goods</u> for which a placard is required to be displayed in accordance with Part 4, Dangerous Goods Safety Marks. 	<i>(train)</i>
transport index	has the same meaning as determined under the “Packaging and Transport of Nuclear Substances Regulations”.	<i>(indice de transport)</i>
tube	means a <u>large means of containment</u> that is cylindrical in shape and that is capable of withstanding an internal absolute pressure of 12.4 MPa.	<i>(tube)</i>
Type P620 means of containment	means a <u>means of containment</u> that is in compliance with the requirements of CGSB-43.125 for Type P620 packaging or, if it is manufactured outside Canada, is in compliance with the requirements of Chapter 6.3 and Packing Instruction P620 of the UN Recommendations and the national regulations of the country of manufacture.	<i>(contenant de type P620)</i>

1.4 Definitions *continued*

Type P650 means of containment	means a <u>means of containment</u> that is in compliance with the requirements of CGSB-43.125 for Type P650 packaging or, if it is manufactured outside Canada, is in compliance with the requirements of Packing Instruction P650 of the UN Recommendations and the national regulations of the country of manufacture.	<i>(contenant de type P650)</i>
UN number	means an entry in column 1 of Schedule 1.	<i>(numéro UN)</i>
UN standardized means of containment	means a <u>means of containment</u> that meets the requirements set out in section 5.6 of Part 5, Means of Containment.	<i>(contenant normalisé UN)</i>
vapour	means the dispersion in air of imperceptible particles of a <u>substance</u> that is <u>liquid</u> or <u>solid</u> in its normal state. <i>For example, water vapour or benzene vapour.</i>	<i>(vapeur)</i>
vessel <i>(from the Act)</i>	has the same meaning as in section 2 of the “Canada Shipping Act, 2001”.	<i>(bâtiment)</i>
watt-hour or Wh	the electrical energy developed by a power of 1 watt (W) during 1 hour (h) and expressed as watt-hour (Wh).	<i>(wattheure ou Wh)</i>

General Provisions

Subsections 1.5.1(2) and 1.6(3) refer to a conflict between requirements. A conflict is not the same as a difference. There is a difference between two provisions if they are not exactly the same but both can be satisfied at the same time. There is a conflict between two provisions if it is impossible for both provisions to be satisfied at the same time.

For example, if Provision A requires a tank wall to exceed 1 mm in thickness and Provision B requires the same tank wall to exceed 2 mm in thickness, there is a difference between the two provisions but there is no conflict because both provisions can be satisfied at the same time if the tank wall exceeds 2 mm in thickness.

However, if Provision A prohibits a tank wall from exceeding 1 mm in thickness and Provision B requires the same tank wall to exceed 2 mm in thickness, there is a conflict between the two provisions because it is impossible for the tank wall to be less than or equal to 1 mm in thickness while at the same time exceeding 2 mm in thickness.

1.5 Applicability of the Regulations

Unless otherwise stated in sections 1.15 to 1.48 of this Part or in Schedule 1 or 2, dangerous goods must be handled, offered for transport or transported in accordance with these Regulations.

Requirement to comply

1.5.1 Schedule 2: Special Provisions

- (1) When there is a special provision in Schedule 2 for dangerous goods, that special provision applies.
- (2) When there is a conflict between a special provision in Schedule 2 and other provisions in these Regulations, the special provision applies.

Application of special provisions

1.5.2 Schedules 1 and 3: Forbidden Dangerous Goods

- (1) When the word “Forbidden” is shown for dangerous goods in column 3 of Schedule 1 or column 2 of Schedule 3, a person must not handle, offer for transport or transport the dangerous goods.
- (2) When the word “Forbidden” is shown for dangerous goods in column 8 or 9 of Schedule 1, a person must not offer for transport or transport the dangerous goods by the means of transport set out in the heading of that column.

Dangerous goods forbidden for transport

1.6 Schedule 1: Quantity Limits in Columns 8 and 9

- | | |
|--|--|
| <p>(1) When there is a number shown in column 8 of Schedule 1, that number is a quantity limit per means of containment for the corresponding dangerous goods in column 2. A person must not load onto a passenger carrying vessel, or transport on a road vehicle or a railway vehicle on board a passenger carrying vessel, dangerous goods that exceed the quantity limit. Dangerous goods exceed the quantity limit if</p> <p>(a) in the case of a solid, they have a mass that is greater than the number when that number is expressed in kilograms;</p> <p>(b) in the case of a liquid, they have a volume that is greater than the number when that number is expressed in litres;</p> <p>(c) in the case of a gas, including a gas in a liquefied form, they are contained in a means of containment the capacity of which is greater than the number when that number is expressed in litres; and</p> <p>(d) in the case of an explosive</p> <p style="padding-left: 20px;">(i) not subject to special provision 85 or 86, they have a net explosives quantity that is greater than the number when that number is expressed in kilograms, or</p> <p style="padding-left: 20px;">(ii) subject to special provision 85 or 86, they exceed 100 articles.</p> | <p><i>Quantity limits for transport</i></p> <p>- solids</p> <p>- liquids</p> <p>- gases</p> <p>- explosives</p> |
| <p>(2) When there is a number shown in column 9 of Schedule 1, that number is a quantity limit per means of containment for the corresponding dangerous goods in column 2. A person must not offer for transport or transport by passenger carrying road vehicle or passenger carrying railway vehicle dangerous goods that exceed the quantity limit. Dangerous goods exceed the quantity limit if</p> <p>(a) in the case of a solid, they have a mass that is greater than the number when that number is expressed in kilograms;</p> <p>(b) in the case of a liquid, they have a volume that is greater than the number when that number is expressed in litres;</p> <p>(c) in the case of a gas, including a gas in a liquefied form, they are contained in a means of containment the capacity of which is greater than the number when that number is expressed in litres; and</p> <p>(d) in the case of an explosive</p> <p style="padding-left: 20px;">(i) not subject to special provision 85 or 86, they have a net explosives quantity that is greater than the number when that number is expressed in kilograms, or</p> <p style="padding-left: 20px;">(ii) subject to special provision 85 or 86, they exceed 100 articles.</p> | <p><i>Quantity limits for transport by passenger vehicle</i></p> <p>- solids</p> <p>- liquids</p> <p>- gases</p> <p>- explosives</p> |
| <p>(3) If a quantity limit in column 8 or 9 of Schedule 1 conflicts with any other quantity limit in these Regulations, other than a quantity limit in special provisions, the quantity limit in that column takes precedence.</p> | <p><i>Quantity limits in Schedule 1 take precedence</i></p> |

1.7 Safety Requirements, Documents, Safety Marks

- | | |
|--|--|
| <p>As provided for in section 5 of the Act, a person must not handle, offer for transport, transport or import dangerous goods unless</p> <p>(a) the person complies with all applicable prescribed safety requirements;</p> <p>(b) the dangerous goods are accompanied by all applicable prescribed documents; and</p> <p>(c) the means of containment and transport comply with all applicable prescribed safety standards and display all applicable prescribed safety marks.</p> | <p><i>Requirement to comply</i></p> <p>- safety requirements</p> <p>- documents</p> <p>- safety standards and safety marks</p> |
|--|--|

1.8 Prohibition: Explosives

A person must not handle, offer for transport or transport dangerous goods by any means of transport if the dangerous goods are explosives and

Prohibited explosives

- (a) are in direct contact with a large means of containment, except when the explosives are to be transported by road vehicle in quantities that are allowed for explosives in section 9.5, Part 9, Road, in Schedule 1 or in any special provision in Schedule 2; or
- (b) are also radioactive materials.

1.9 *Repealed***1.10 Requirements Respecting the Transportation of Dangerous Goods on Board Passenger Carrying Vessels**

- (1) The requirements of these Regulations respecting the transportation of dangerous goods other than explosives on board a passenger carrying vessel apply to a passenger carrying vessel that is transporting more than 25 passengers or more than one passenger for each 3 m of the length of the vessel.
- (2) The requirements of these Regulations respecting the transportation of dangerous goods that are explosives on board a passenger carrying vessel apply to a passenger carrying vessel that is transporting more than 12 passengers.

Dangerous goods on passenger carrying vessels

1.11 Use of 49 CFR for Non-regulated Dangerous Goods

When a substance is regulated in the United States by 49 CFR but is not regulated in Canada by these Regulations, a person may transport the substance between Canada and the United States by road vehicle or railway vehicle in accordance with all or part of 49 CFR.

Goods regulated in U.S. but not in Canada

This means that, for example, the safety marks displayed in accordance with 49 CFR would not be considered misleading.

1.12 Evidence: Safety Marks, Prescribed Documents

As provided for in section 42 of the Act, in any prosecution for an offence, evidence that a means of containment or transport bore a safety mark or was accompanied by a prescribed document is, in the absence of evidence to the contrary, proof of the information shown or indicated by the safety mark or contained in the prescribed document.

Evidence in prosecution

1.13 Defence: Due Diligence

As provided for in section 40 of the Act, a person must not be found guilty of an offence if it is established that the person took all reasonable measures to comply with the Act or to prevent the commission of the offence.

Reasonable measures to comply

1.14 *Repealed*

Special Cases

A number of the following sections provide exemptions for dangerous goods based on the gross mass of the dangerous goods. When appropriate, the text ensures that the exemption applies to the total of the gross masses of all of the dangerous goods on the means of transport. This means that a person who takes advantage of section 1.15 to transport 150 kg gross mass of dangerous goods on a road vehicle could not also claim the 500 kg gross mass exemption set out in section 1.16 when adding an additional 450 kg gross mass of dangerous goods (whether or not they are the same dangerous goods). Indeed, were the 450 kg gross mass added, none of the resulting 600 kg gross mass could be claimed under either the 150 kg gross mass exemption or the 500 kg gross mass exemption.

Similarly, a person who takes advantage of an exemption set out in section 1.16 to transport 300 kg gross mass of flammable liquids on a road vehicle cannot, when adding an additional 350 kg gross mass of corrosives, claim any of the resulting 650 kg gross mass as exempted under section 1.15 or 1.16.

1.15 150 kg Gross Mass Exemption

- (1) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of dangerous goods on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
- (a) in the case of
 - (i) dangerous goods included in Class 2, Gases, they are in one or more small means of containment in compliance with the requirements for transporting gases in Part 5 (Means of Containment), except that, in the case of dangerous goods that are UN1950, AEROSOLS, or UN2037, GAS CARTRIDGES, the requirement in section 8.1.7 of CGSB-43.123 that aerosol containers and gas cartridges be tightly packed in a strong outer packaging does not apply, or
 - (ii) dangerous goods not included in Class 2, Gases, they are in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
 - (b) except for dangerous goods included in Class 2, Gases, the dangerous goods are contained in one or more means of containment each of which has a gross mass less than or equal to 30 kg;
 - (c) the gross mass of all dangerous goods
 - (i) transported on the road vehicle or the railway vehicle is less than or equal to 150 kg, and
 - (ii) transported on the vessel on a domestic voyage is less than or equal to 150 kg, excluding dangerous goods in a road vehicle or railway vehicle being transported on the vessel; and
 - (d) the dangerous goods are in a quantity or concentration available to the general public and are transported
 - (i) by a user or purchaser of the dangerous goods, or
 - (ii) by a retailer to or from a user or purchaser of the dangerous goods.

150 kg or less
exempt from certain
requirements

- container standards

- maximum quantity
each container

- total maximum
quantity

- total maximum
quantity

- (2) Subsection (1) does not apply to dangerous goods that
- (a) are in a quantity or concentration that requires an emergency response assistance plan;
 - (b) require a control or emergency temperature;
 - (c) are included in Class 1, Explosives, except for UN numbers UN0012, UN0014, UN0044, UN0055, UN0105, UN0131, UN0161, UN0173, UN0186, UN0191, UN0197, UN0276, UN0312, UN0323, UN0335 if classified as a consumer firework, UN0336, UN0337, UN0351, UN0373, UN0378, UN0404, UN0405, UN0431, UN0432, UN0454, UN0499, UN0501, UN0503, UN0505 to UN0507, UN0509 and UN0510;
 - (d) are included in Class 2.1, Flammable Gases, and are in a cylinder with a capacity greater than 46 L;
 - (e) are included in Class 2.3, Toxic Gases;
 - (f) are included in Class 4, Flammable Solids; Substances Liable to Spontaneous Combustion; Substances that on Contact with Water Emit Flammable Gases (Water-reactive Substances); and in Packing Group I;
 - (g) are included in Class 5.2, Organic Peroxides, unless they are allowed to be transported as limited quantities in accordance with section 1.17 and column 6(a) of Schedule 1;
 - (h) are liquids included in Class 6.1, Toxic Substances, and Packing Group I;
 - (i) are included in Class 6.2, Infectious Substances; or
 - (j) are included in Class 7, Radioactive Materials, and are required to be licensed by the Canadian Nuclear Safety Commission.
- Exemption does not apply to certain dangerous goods*

1.16 500 kg Gross Mass Exemption

- (1) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) and Part 5 (Means of Containment) do not apply to the handling, offering for transport or transporting of dangerous goods on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
- (a) in the case of
 - (i) dangerous goods included in Class 2, Gases, they are in one or more small means of containment in compliance with the requirements for transporting gases in Part 5, Means of Containment, or
 - (ii) dangerous goods not included in Class 2, Gases, they are in one or more means of containment
 - (A) each of which has a gross mass less than or equal to 30 kg and that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety, or
 - (B) that are drums in compliance with the requirements of section 5.12 of Part 5, Means of Containment, for transporting dangerous goods in drums;
 - (b) the gross mass of all dangerous goods
 - (i) transported on the road vehicle or the railway vehicle is less than or equal to 500 kg, and
 - (ii) transported on the vessel on a domestic voyage is less than or equal to 500 kg, excluding the dangerous goods in a road vehicle or railway vehicle being transported on the vessel;
- 500 kg or less exempt from certain requirements*
- container standards*
- total maximum quantity*

1.16 500 kg Gross Mass Exemption *continued*

- (c) each means of containment has displayed on one side, other than a side on which it is intended to rest or to be stacked during transport,
 - (i) the dangerous goods safety marks required by Part 4, Dangerous Goods Safety Marks, or
 - (ii) for dangerous goods, other than dangerous goods included in Class 2, Gases, the shipping name of the dangerous goods and the marks required for them in one of the following Acts and regulations, as long as those marks are legible and visible during handling and transporting in the same manner as dangerous goods safety marks:
 - (A) the “Pest Control Products Act” and its regulations, or
 - (B) the “Hazardous Products Act” and its regulations;
 - (d) the dangerous goods are accompanied by a shipping document or document that is located, for a road or railway vehicle or a vessel, in accordance with the requirements for location of a shipping document in sections 3.7 to 3.9 of Part 3, Documentation; and
 - (e) any document referred to in paragraph (d), other than a shipping document, includes the following information in the following order:
 - (i) the primary class of the dangerous goods, following the word “Class” or “Classe”, and
 - (ii) the total number of means of containment, on which a dangerous goods safety mark is required to be displayed, for each primary class, following the words “number of means of containment” or “nombre de contenants”.
For example,
Class 3, number of means of containment, 10
Class 8, number of means of containment, 12
- (2) Subsection (1) does not apply to dangerous goods that
- (a) are in a quantity or concentration that requires an emergency response assistance plan;
 - (b) require a control or emergency temperature;
 - (c) are included in Class 1, Explosives, except for
 - (i) explosives included in Class 1.4S, or
 - (ii) UN numbers UN0191, UN0197, UN0276, UN0312, UN0336, UN0403, UN0431, UN0453 and UN0493;
 - (d) are included in Class 2.1, Flammable Gases, and are in a cylinder with a capacity greater than 46 L;
 - (e) are included in Class 2.3, Toxic Gases;
 - (f) are included in Class 4, Flammable Solids; Substances Liable to Spontaneous Combustion; Substances that on Contact with Water Emit Flammable Gases (Water-reactive Substances); and in Packing Group I;
 - (g) are included in Class 5.2, Organic Peroxides, unless they are allowed to be transported as limited quantities in accordance with section 1.17 and column 6(a) of Schedule 1;
 - (h) are liquids included in Class 6.1, Toxic Substances, and Packing Group I;
 - (i) are included in Class 6.2, Infectious Substances; or
 - (j) are included in Class 7, Radioactive Materials, and are required to be licensed by the Canadian Nuclear Safety Commission.

- safety marks required

- shipping document required

- information required on shipping document

Exemption does not apply to certain dangerous goods

1.17 Limited Quantities Exemption

- (1) A quantity of dangerous goods, other than explosives, is a limited quantity if
- (a) the dangerous goods are in one or more means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; and
 - (b) each outer means of containment has a gross mass that is less than or equal to 30 kg and the dangerous goods in the inner means of containment
 - (i) if solids, have a mass that is less than or equal to the number shown in column 6(a) of Schedule 1, when that number is expressed in kilograms,
 - (ii) if liquids, have a volume that is less than or equal to the number shown in column 6(a) of Schedule 1, when that number is expressed in litres, or
 - (iii) if gases, including a gas in a liquefied form, are contained in one or more means of containment each of which has a capacity less than or equal to the number shown in column 6(a) of Schedule 1, when that number is expressed in litres.
- (2) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of limited quantities of dangerous goods on a road vehicle, a railway vehicle or a vessel on a domestic voyage if each means of containment is legibly and durably marked on one side, other than a side on which it is intended to rest or to be stacked during transport, with the mark illustrated in subsection (5).
- (3) When a limited quantity of dangerous goods is in a means of containment that is inside another means of containment, the inner means of containment is not required to be marked if
- (a) the gross mass of the outer means of containment is less than or equal to 30 kg;
 - (b) the outer means of containment is not intended to be opened during transport; and
 - (c) the outer means of containment is legibly and visibly marked, on a contrasting background, with the mark illustrated in subsection (5).
- (4) When a limited quantity of dangerous goods is in a means of containment that is inside an overpack, the following information must be displayed on the overpack unless the marks on the small means of containment are visible through the overpack:
- (a) the word “Overpack” or “Suremballage”; and
 - (b) the mark illustrated in subsection (5), legibly and visibly marked on a contrasting background.

*Limited quantity
- definition
- container standards*

- maximum quantity

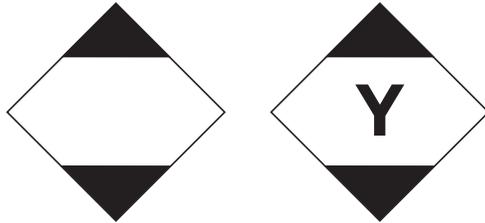
*Limited quantities
exempt from certain
requirements*

*Marking may not
required on inner
container*

Overpack

1.17 Limited Quantities Exemption *continued*

- (5) The mark is a square on point, and the line forming the square on point must be at least 2 mm wide. The top and bottom portions must be black and the central portion must be white or a contrasting colour. Each side of the mark must be at least 100 mm long. The letter “Y” may be displayed in the centre of the mark if the limited quantity is in compliance with the ICAO Technical Instructions. If the size of the means of containment so requires, the length of each side may be reduced to not less than 50 mm, provided that the mark remains clearly visible.



- (6) Until December 31, 2020, instead of being marked with the mark illustrated in subsection (5), a means of containment may have displayed on it
- (a) the words “Limited Quantity” or “quantité limitée”;
 - (b) the abbreviation “Ltd. Qty.” or “quant. ltée”;
 - (c) the words “Consumer Commodity” or “bien de consommation”; or
 - (d) the UN number of each limited quantity of dangerous goods preceded by the letters “UN”, placed within a square on point.
- (7) For the purposes of paragraph 6(d), the line forming the square on point must be black and be at least 2 mm wide. If the dangerous goods have different UN numbers, the square on point must be large enough to include each UN number, but in any case each side must be not less than 50 mm long. The UN numbers and letters must be at least 6 mm high. The line, UN numbers and letters must be on a contrasting background.

1.17.1 Excepted Quantities Exemption

- (1) A quantity of dangerous goods, other than explosives, is an excepted quantity if
- (a) the dangerous goods are in an inner means of containment and an outer means of containment that are designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
 - (b) any of the dangerous goods in the inner means of containment,
 - (i) if solids, have a mass that is less than or equal to the number shown in column 1 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in grams,
 - (ii) if liquids, have a volume that is less than or equal to the number shown in column 1 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in millilitres, or
 - (iii) if gases, including a gas in a liquefied form, are contained in one or more means of containment each of which has a capacity less than or equal to the number shown in column 1 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in millilitres; and

- (c) any of the dangerous goods in the outer means of containment,
 - (i) if solids, have a mass that is less than or equal to the number shown in column 2 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in grams,
 - (ii) if liquids, have a volume that is less than or equal to the number shown in column 2 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in millilitres, or
 - (iii) if gases, including a gas in a liquefied form, are contained in one or more means of containment each of which has a capacity less than or equal to the number shown in column 2 of the table to subsection (2) for the corresponding alphanumeric code in column 6(b) of Schedule 1, when that number is expressed in millilitres.
- (2) When dangerous goods in excepted quantities for which different alphanumeric codes are assigned are together in an outer means of containment, the total quantity of dangerous goods must not exceed the lowest maximum net quantity per outer means of containment that is set out in column 2 of the table to this subsection for any of the dangerous goods. - *maximums*

TABLE: Excepted Quantities

Alphanumeric Code	Column 1 Maximum net quantity per inner means of containment (in g for solids and mL for liquids and gases)	Column 2 Maximum net quantity per outer means of containment (in g for solids and mL for liquids and gases, or sum of g and mL in the case of mixed packing)
E0	Not permitted as Excepted Quantity	
E1	30	1,000
E2	30	500
E3	30	300
E4	1	500
E5	1	300

- (3) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of dangerous goods in excepted quantities if each means of containment is marked on one side, other than a side on which it is intended to rest or to be stacked during transport, with the excepted quantities mark illustrated below. - *exemptions and mark*

Excepted Quantities Mark



- Black or red:** Hatching around edge of square and symbol
 - White (or a colour that contrasts, as applicable, with black or red):** Background
 - Size:** Square, and each side must be at least 100 mm
- The symbol is a stylized capital E enclosed in a circle and all three cross bars of the letter E must touch the perimeter of the circle
- Replace * with the primary class
- Replace ** with the name of the consignor or the consignee

1.17.1 Excepted Quantities Exemption *continued*

- (4) When dangerous goods in excepted quantities are in a means of containment that is inside an overpack, the following information must be displayed on the overpack, unless that information is on the means of containment and is visible through the overpack:
 - (a) the word “Overpack” or “Suremballage”; and
 - (b) the mark illustrated in subsection (3).- *overpack*

- (5) The number of outer means of containment containing dangerous goods in excepted quantities on a road vehicle, a railway vehicle or an intermodal container must not exceed 1,000.
 - *maximum outer containers*

- (6) When dangerous goods in excepted quantities are in an inner means of containment that is inside an outer means of containment, the inner means of containment is not required to be marked in accordance with subsection (3) if
 - (a) the outer means of containment is not intended to be opened during transport; and
 - (b) the outer means of containment is marked, legibly and visibly on a contrasting background, with the mark illustrated in that subsection.- *inner and outer containers*

- (7) If a shipping document or any other document accompanies dangerous goods in excepted quantities, the document must include the words “dangerous goods in excepted quantities” or “marchandises dangereuses en quantités exceptées” and must indicate the number of outer means of containment.
 - *document*

- (8) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of dangerous goods in excepted quantities that are assigned to alphanumeric codes E1, E2, E4 and E5 in column 6(b) of Schedule 1 if
 - (a) the net quantity of the dangerous goods per inner means of containment is less than or equal to 1 g for solids or 1 mL for liquids and gases; and
 - (b) the net quantity of the dangerous goods per outer means of containment is less than or equal to 100 g for solids or 100 mL for liquids and gases.- *very small quantities*

1.18 Medical Device or Article

These Regulations do not apply to the transport on a road vehicle, a railway vehicle or a vessel on a domestic voyage of *Medical exemption*

- (a) a medical device, wheelchair or medical article if
 - (i) the medical device is attached to or implanted in an individual or an animal, or
 - (ii) the wheelchair or medical article is in transport and is intended for the personal use of a specific individual,- *devices and articles*

- (b) a radio-pharmaceutical that has been injected in or ingested by an individual or an animal.
 - *radioactive pharmaceuticals*

1.19 Samples for Inspection or Investigation Exemption

These Regulations do not apply to samples of goods, including forensic samples, that are reasonably believed to be dangerous goods if, for the purposes of inspection or investigation duties under an Act of Parliament or of a provincial legislature, the samples are

- (a) in transport under the direct supervision of a federal, provincial or municipal government employee acting in the course of employment; and
- (b) in one or more means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

Samples for government inspection or investigation

- under government supervision

- securely contained

1.19.1 Samples Classifying, Analysing or Testing Exemption

Part 2 (Classification), Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training) and Part 7 (Emergency Response Assistance Plan) do not apply to samples of goods that the consignor reasonably believes to be dangerous goods, but the classification or the exact chemical composition of the goods is unknown and cannot be readily determined if

Sample of unknown classification or composition

- (a) in the case of
 - (i) samples that are reasonably believed to be a gas, including a gas in a liquefied form, they are in one or more means of containment in compliance with the requirements for transporting gases in Part 5, Means of Containment, or
 - (ii) samples that are reasonably believed not to be a gas, they are in one or more means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
- (b) the samples are in transport for the purposes of classifying, analysing or testing;
- (c) the samples are believed not to contain explosives, infectious substances or radioactive materials;
- (d) the dangerous goods are contained in one or more means of containment each of which has a gross mass less than or equal to 10 kg;
- (e) the samples are accompanied by a document that includes the name and address of the consignor and the words “test samples” or “échantillons d’épreuve”; and
- (f) each means of containment has marked on it the words “test samples” or “échantillons d’épreuve” and the words are legible and displayed on a contrasting background.

1.19.2 Samples Demonstration Exemption

Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply to samples of dangerous goods if

Samples intended for demonstration

- (a) in the case of
 - (i) samples included in Class 2, Gases, they are in one or more means of containment in compliance with the requirements for transporting gases in Part 5, Means of Containment, or
 - (ii) samples not included in Class 2, Gases, they are in one or more means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
- (b) the samples are in transport for demonstration purposes;
- (c) the samples are in the custody of an agent of the manufacturer or distributor who is acting in the course of employment;
- (d) the samples are not for sale;
- (e) the samples are not transported in a passenger carrying road vehicle, passenger carrying railway vehicle, passenger carrying aircraft or passenger carrying vessel other than a passenger carrying vessel that operates over the most direct water route between two points that are not more than 5 km apart;
- (f) the dangerous goods are contained in one or more means of containment each of which has a gross mass less than or equal to 10 kg; and
- (g) each means of containment has marked on it the words “demonstration samples” or “échantillons de démonstration” and the words are legible and displayed on a contrasting background.

1.20 National Defence

For the purposes of paragraph 3(4)(a) of the Act, any activity or thing related to the transportation of dangerous goods is under the sole direction or control of the Minister of National Defence if the dangerous goods are in or on a means of transport

Military exemption

- (a) owned and operated by the Department of National Defence or operated on behalf of the Department of National Defence by
 - (i) an employee of the Department of National Defence,
 - (ii) a member of the Canadian Forces, or
 - (iii) civilian personnel who are not employed by the Department of National Defence if the means of transport is accompanied at all times by, and is under the direct responsibility of, an employee of the Department of National Defence or a member of the Canadian Forces;
- (b) owned and operated by the military establishment of a member country of the North Atlantic Treaty Organization or operated on behalf of such an establishment by
 - (i) military or civilian personnel of that establishment, or
 - (ii) civilian personnel who are not employed by that establishment if the means of transport is accompanied at all times by, and is under the direct responsibility of, military or civilian personnel of that establishment; or

- Department of National Defence

- NATO member

1.24 Agriculture: Anhydrous Ammonia Exemption

Part 3, Documentation, and Part 7, Emergency Response Assistance Plan, do not apply to UN1005, ANHYDROUS AMMONIA, if it is

Anhydrous ammonia

- (a) in transport solely on land and the distance on public roads is less than or equal to 100 km; and
- (b) in a large means of containment with a capacity that is less than or equal to 10,000 L and is used for the field application of anhydrous ammonia.

*- up to 10,000 L
for field application*

1.25 Transportation within a Facility

These Regulations do not apply to dangerous goods that are transported solely within a manufacturing or processing facility to which public access is controlled.

Limited public access

1.26 Emergency Response Exemption

These Regulations do not apply to dangerous goods that are in quantities necessary to respond to an emergency that endangers public safety and that are in transport in a means of transport that is dedicated to emergency response, unless the dangerous goods are forbidden for transport in Schedule 1, Schedule 3 or, for transport by aircraft, the ICAO Technical Instructions.

*Dangerous goods for
emergency response*

1.27 Operation of a Means of Transport or a Means of Containment Exemption

(1) These Regulations do not apply to dangerous goods on a means of transport that are required for

*Dangerous goods
necessary for safety
or operation*

- (a) the propulsion of the means of transport and that are
 - (i) intended to remain on the means of transport until used, and
 - (ii) contained in a fuel tank permanently installed on the means of transport;
- (b) the safety of individuals on board the means of transport;
- (c) the operation or safety of the means of transport including, while installed in the means of transport and used or likely to be used for purposes related to transport, air bags, air brakes, flares, lighting, shock absorbers or fire extinguishers; or
- (d) ventilation, refrigeration or heating units that are necessary to maintain environmental conditions within a means of containment in transport on the means of transport and are intended to remain with the units or on the means of transport until used.

(2) The exemption in subsection (1) does not apply to

- (a) ammunition; or
- (b) dangerous goods being delivered to a destination and from which a portion is drawn off during transport for propulsion of the means of transport.

Paragraph (b) is intended to exclude from this exemption dangerous goods that are in transport on a means of transport and from which a portion is used to propel the means of transport. An example is a tank truck delivering liquefied natural gas that uses part of that load of gas to propel the vehicle.

1.28 Transportation between Two Properties

These Regulations do not apply to dangerous goods, other than Class 1, Explosives, or Class 7, Radioactive Materials, that are in transport on a road vehicle between two properties owned or leased by the manufacturer, producer or user of the dangerous goods if

Transport between two properties

- (a) the dangerous goods are transported a distance less than or equal to 3 km on a public road; - up to 3 km
- (b) the road vehicle has displayed on it - placard
 - (i) the placard for the primary class of each of the dangerous goods, or
 - (ii) the DANGER placard;
- (c) the dangerous goods are in one or more means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; and - securely contained
- (d) the local police are advised, in writing, of the nature of the dangerous goods no more than 12 months in advance of the transport. - advise provincial authority

1.29 Repealed**1.30 Ferry Exemption**

Paragraph 3.6(3)(a) of Part 3 (Documentation) and subsection 4.16(3) and paragraph 4.16.1(2)(d) of Part 4 (Dangerous Goods Safety Marks) do not apply to dangerous goods in transport on a road vehicle or railway vehicle that is being transported on board a vessel that is operating over the most direct water route between two points that are not more than 5 km apart.

Transport on ferry

1.30.1 Propane and Gasoline in Highway Tanks on Board Passenger Carrying Vessels

Subsection 1.6(1) of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and paragraph 3.6(3)(a) of Part 3 (Documentation) do not apply to dangerous goods that are UN1203, GASOLINE or UN1978, PROPANE that are in a highway tank that is being transported by a tank truck on board a passenger carrying vessel that is operating over the most direct water route between two points that are not more than 5 km apart if the following conditions are met:

Propane and gasoline on passenger carrying vessels

- (a) no more than two tank trucks transporting dangerous goods that are UN1203, GASOLINE or UN1978, PROPANE are on board the passenger carrying vessel;
- (b) before the tank truck is placed on board the passenger carrying vessel, the highway tank is visually inspected by its driver for dents or evidence of leakage;
- (c) the tank truck is located on an open deck;
- (d) a safety perimeter of at least 1 m is established around the tank truck while it is on board the passenger carrying vessel;
- (e) the tank truck's parking brakes are set securely throughout the journey until the passenger carrying vessel has completed docking;
- (f) the tank truck's engine is either left running at all times or is shut off and not restarted until the passenger carrying vessel has completed docking;
- (g) the tank truck's driver remains with the tank truck while it is on board the passenger carrying vessel;
- (h) notices prohibiting smoking, the use of an open flame and the use of spark-producing equipment on the passenger carrying vessel are placed in full view of passengers;

- (i) fixed extinguishing equipment, including foam cannon units that are capable of reaching the highway tank, is installed on board the passenger carrying vessel;
- (j) absorbent material that is compatible with flammable liquids is available on board the passenger carrying vessel;
- (k) a flammable gas detector is available on board the passenger carrying vessel; and
- (l) the passenger carrying vessel's master ensures that the tank truck is constantly monitored by a crew member while it is on board the passenger carrying vessel.

1.31 Class 1, Explosives Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 6 (Training), Part 9 (Road) and Part 10 (Rail) do not apply to the handling, offering for transport or transporting on a road vehicle or a railway vehicle dangerous goods included in Class 1, Explosives, if

Explosives

- (a) the quantity of all the explosives in the road vehicle or railway vehicle that are not subject to special provision 85 or 86, expressed in net explosives quantity, is less than or equal to the number shown in column 6(a) of Schedule 1 for each of the explosives;

- maximum net explosives quantity

For the purpose of this explanation, suppose the explosives have net explosives quantities NEQ1, NEQ2, NEQ3, etc. and have UN numbers NUM1, NUM2, NUM3, etc. The requirements of this section are met if the total net explosives quantity of all the explosives taken together (NEQ1 + NEQ2 + NEQ3 + etc.) is less than or equal to the number in column 6(a) of Schedule 1 for NUM1, and is also less than or equal to the number in column 6(a) of Schedule 1 for NUM2 and is also less than or equal to the number in column 6(a) of Schedule 1 for NUM3, etc.

- (b) the quantity of all the explosives in the road vehicle or railway vehicle that are subject to special provision 85 or 86, expressed in number of articles, is less than or equal to the number shown in special provision 85 or 86 for each of the explosives;

- maximum number of articles

For the purpose of this explanation, suppose the explosives have number of articles NB1, NB2, NB3, etc. and have UN numbers NUM1, NUM2, NUM3, etc. This section is satisfied if the total number of articles of all the explosives taken together (NB1 + NB2 + NB3 + etc.) is less than or equal to the number shown in special provision 85 or 86 for NUM1, and is also less than or equal to the number shown in special provision 85 or 86 for NUM2, and is also less than or equal to the number shown in the special provision for NUM3, etc.

- (c) each means of containment has displayed on it the class, compatibility group and UN number of the explosives contained inside it; and
- (d) a placard is displayed in accordance with Part 4, Dangerous Goods Safety Marks, if the explosives are included in Class 1.1, 1.2, 1.3 or 1.5
 - (i) in any quantity exceeding 10 kg net explosives quantity, or
 - (ii) in any number of articles exceeding 1,000 for explosives subject to special provision 85 or 86.

- safety marks

- placard

1.32 Class 2, Gases, or Ammonia Solutions (Class 8) in Refrigerating Machines Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan), Part 8 (Reporting Requirements), Part 9 (Road) and Part 10 (Rail) do not apply to UN2857, REFRIGERATING MACHINES, and refrigerating machine components, containing Class 2.2, Non-flammable, Non-toxic gases or UN2672, AMMONIA SOLUTIONS, if the quantity of gas has a mass that is less than or equal to 12 kg and the quantity of ammonia solutions is less than or equal to 12 L.

Refrigerant gases

Refrigerating machines include air conditioning units and machines or other appliances designed for the specific purpose of keeping food or other items at a low temperature in an internal compartment.

1.32.1 Class 2, Gases, that may be Identified as UN1075, LIQUEFIED PETROLEUM GAS

- (1) The following dangerous goods may be identified by the UN number UN1075 and the shipping name LIQUEFIED PETROLEUM GASES instead of the UN number and shipping name identified for them:
 - (a) UN1011, BUTANE;
 - (b) UN1012, BUTYLENE;
 - (c) UN1055, ISOBUTYLENE;
 - (d) UN1077, PROPYLENE;
 - (e) UN1969, ISOBUTANE; and
 - (f) UN1978, PROPANE.
- (2) The shipping name of the dangerous goods listed in paragraphs (1)(a) to (f) may be shown on the shipping document, in parentheses, following the words LIQUEFIED PETROLEUM GASES.
- (3) If either UN1077, PROPYLENE or UN1978, PROPANE, is to be transported on a road vehicle or railway vehicle on board a vessel and is identified as LIQUEFIED PETROLEUM GASES on the shipping document in accordance with subsection (1), the shipping name PROPYLENE or PROPANE, as appropriate, must be shown on the shipping document, in parentheses, following the words LIQUEFIED PETROLEUM GASES.

LPG, UN 1075

1.32.2 Class 2, Gases, Absolute Pressure between 101.3 kPa and 280 kPa

Gases that are at an absolute pressure between 101.3 kPa and 280 kPa at 20°C, other than gases included in Class 2.1 or Class 2.3, may be handled, offered for transport or transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage as Class 2.2, Non-flammable, Non-toxic gas. In that case, the requirements of these Regulations that relate to gases included in Class 2.2 must be complied with.

Class 2.2 gases
at low pressure

1.32.3 Class 2, Gases, in Small Means of Containment Exemption

Part 3, Documentation, and Part 6, Training, do not apply to dangerous goods that are transported in one or more small means of containment on a road vehicle solely on land if

*Gases in cylinders
("welder's exemption")*

- (a) the dangerous goods are
 - (i) UN1001, ACETYLENE, DISSOLVED,
 - (ii) UN1002, AIR, COMPRESSED,
 - (iii) UN1006, ARGON, COMPRESSED,
 - (iv) UN1013, CARBON DIOXIDE,
 - (v) UN1060, METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED,
 - (vi) UN1066, NITROGEN, COMPRESSED,
 - (vii) UN1072, OXYGEN, COMPRESSED, or
 - (viii) UN1978, PROPANE;
- (b) the dangerous goods are contained in no more than five small means of containment;
- (c) the gross mass of the dangerous goods is less than or equal to 500 kg; and
- (d) the labels displayed on the small means of containment can be seen from outside the road vehicle.

1.33 Class 3, Flammable Liquids: General Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan), Part 9 (Road) and Part 10 (Rail) do not apply to the handling, offering for transport or transporting of dangerous goods included in Class 3, Flammable Liquids, on a road vehicle, a railway vehicle or a vessel on a domestic voyage if the dangerous goods

*Flammable liquids
exemption*

- (a) have no subsidiary class;
- (b) are included in Packing Group III and have a flash point greater than 37.8°C; and
- (c) are in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

- no subsidiary class

- Packing Group III

*- small means
of containment*

1.34 Class 3, Flammable Liquids, Flash Point Greater Than 60°C but Less Than or Equal to 93°C

- (1) Despite section 6.1 of the Act and section 4.2 of Part 4 (Dangerous Goods Safety Marks) of these Regulations, substances that have a flash point greater than 60°C but less than or equal to 93°C may be transported on a road vehicle, on a railway vehicle or on a vessel on a domestic voyage as Class 3, Flammable Liquids, Packing Group III. In that case, and subject to subsection (2), the requirements of these Regulations that relate to flammable liquids that have a flash point less than or equal to 60°C must be complied with.
- (2) When substances that have a flash point greater than 60°C but less than or equal to 93°C are transported in accordance with subsection (1), sections 5.14.1 to 5.15.6 and 5.15.11 of Part 5 (Means of Containment) do not apply in respect of a railway vehicle that transports the substances, and an emergency response assistance plan is not required for the substances under subsection 7.1(6) of Part 7 (Emergency Response Assistance Plan).

*Flash point between
60°C and 93°C*

1.34.1 *Repealed*

1.35 UN1202, DIESEL FUEL, or UN1203, GASOLINE, Exemption

Part 3 (Documentation), the UN number requirements in section 4.12 and 4.15.2 of Part 4 (Dangerous Goods Safety Marks), and Part 6 (Training) do not apply to the offering for transport, handling or transporting on a road vehicle of dangerous goods that are UN1202, DIESEL FUEL or UN1203, GASOLINE, if

Diesel and gasoline exemption

- (a) the dangerous goods are in one or more means of containment, each of which is visible from outside the road vehicle and each of which has displayed on it
 - (i) the label or placard required for the dangerous goods by Part 4, Dangerous Goods Safety Marks, or
 - (ii) if a side or end of the means of containment is not visible from outside the road vehicle, the label or placard required for the dangerous goods by Part 4, Dangerous Goods Safety Marks, on a side or end that is visible from outside the road vehicle;
- (b) each means of containment is secured to the road vehicle so that the required label or at least one of the required placards displayed on it is visible from outside the road vehicle during transport; and
- (c) the total capacity of all the means of containment is less than or equal to 2,000 L.

1.36 Class 3, Flammable Liquids, Alcoholic Beverage and Aqueous Solution of Alcohol Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan), Part 8 (Reporting Requirements), Part 9 (Road) and Part 10 (Rail) do not apply to the handling, offering for transport or transporting on a road vehicle, a railway vehicle or a vessel on a domestic voyage of

Alcoholic beverages and solutions

- (a) an alcoholic beverage if the alcoholic beverage
 - (i) contains alcohol that is less than or equal to 24 per cent by volume,
 - (ii) is included in Packing Group II and is in a means of containment with a capacity that is less than or equal to 5 L, or
 - (iii) is included in Packing Group III and is in a means of containment with a capacity that is less than or equal to 250 L; or
- (b) an aqueous solution of alcohol if the aqueous solution has a flash point greater than 23°C and
 - (i) contains alcohol that is less than or equal to 50 per cent by volume and at least 50 per cent by volume of a substance that is not dangerous goods, and
 - (ii) is contained in a small means of containment.

1.37 *Repealed*

1.38 Polyester Resin Kit Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan), Part 8 (Reporting Requirements), Part 9 (Road) and Part 10 (Rail) do not apply to the handling, offering for transport or transporting of a polyester resin kit that consists of a substance included in Class 3, Packing Group II or III and a substance included in Class 5.2, Type D, E or F that does not require temperature control if

Polyester resin kit

- (a) the kit is in transport on a road vehicle, a railway vehicle or a vessel on a domestic voyage;
- (b) the gross mass of the kit is less than or equal to 30 kg;
- (c) the quantity of Class 3 substance in the kit is less than or equal to
 - (i) 1 L for Packing Group II substances, and
 - (ii) 5 L for Packing Group III substances; and
- (d) the quantity of Class 5.2 substance in the kit is less than or equal to
 - (i) 125 mL for liquids, and
 - (ii) 500 g for solids.

1.39 Class 6.2, Infectious Substances, UN3373, BIOLOGICAL SUBSTANCE, CATEGORY B Exemption

Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, except section 4.22.1, do not apply to the handling, offering for transport or transporting of infectious substances that are included in Category B if

Infectious substances, category B

- (a) one external surface of the means of containment for the substances measures at least 100 mm × 100 mm;
- (b) the means of containment is in compliance with Part 5, Means of Containment, and has displayed on the external surface
 - (i) the mark illustrated in Part 4, Dangerous Goods Safety Marks, for infectious substances included in Category B, and
 - (ii) the shipping name, on a contrasting background, next to the mark in letters at least 6 mm high; and
- (c) the 24-hour telephone number required under paragraph 3.5(1)(f) is displayed next to the shipping name on the means of containment.

1.40 Repealed**1.41 Biological Products Exemption**

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of biological products if they

Biological products

- (a) are prepared in accordance with the requirements set out under the “Food and Drugs Act”;
- (b) are in a means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety; and
- (c) are in a means of containment that is marked with the words “Biological Product” or “Produit biologique” in black letters at least 6 mm high on a contrasting background.

1.42 Human or Animal Specimens Believed Not to Contain Infectious Substances Exemption

- (1) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of human or animal specimens that a person has no reason to believe contain infectious substances.

Specimens believed not to be infectious

Professional judgment is required to determine if a specimen is exempt under this section. Factors such as the known medical history, symptoms and individual circumstances of the source, human or animal, and endemic local conditions should be considered. Examples of specimens that may be transported under this section include

- *blood or urine specimens to monitor cholesterol levels, blood glucose levels, hormone levels, prostate-specific antigens (PSA) or organ function;*
 - *specimens to determine the presence of drugs or alcohol for insurance or employment purposes;*
 - *pregnancy tests;*
 - *biopsies to detect cancer; and*
 - *specimens for antibody detection in humans or animals.*
- (2) The human or animal specimens referred to in subsection (1) must be in a means of containment that is marked with the words “Exempt Human Specimen” or “spécimen humain exempté” or “Exempt Animal Specimen” or “spécimen animal exempté” and that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the specimen.

1.42.1 Tissues or Organs for Transplant Exemption

These Regulations do not apply to the handling, offering for transport or transporting of tissues or organs for transplant.

Transplant tissues and organs

1.42.2 Blood or Blood Components Exemption

- (1) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of blood or blood components that are intended for transfusion or for the preparation of blood products and are reasonably believed not to contain infectious substances.

Blood or blood components

- (2) The blood or blood components referred to in subsection (1) must be in a means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the blood or blood components.

1.42.3 Medical or Clinical Waste

This exemption does not apply to medical waste containing infectious substances included in Category A.

*Medical or
clinical waste*

Part 3 (Documentation), sections 4.10 to 4.12 of Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Reporting Requirements) do not apply to the offering for transport, handling, or transporting of dangerous goods that are medical waste or clinical waste if

- (a) the dangerous goods are UN3291, (BIO) MEDICAL WASTE, N.O.S.;
- (b) the dangerous goods are in a means of containment that is in compliance with CGSB-43.125; and
- (c) the following information is displayed on the means of containment:
 - (i) the biohazard symbol; and
 - (ii) the word “BIOHAZARD” or “BIORISQUE”.

1.43 Class 7, Radioactive Materials Exemption

Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan), Part 9 (Road), Part 10 (Rail), Part 11 (Marine) and Part 12 (Air) do not apply to the handling, offering for transport or transporting of Class 7, Radioactive Materials, if the radioactive materials

*Radioactive materials,
excepted packages*

- (a) satisfy the conditions in the “Packaging and Transport of Nuclear Substances Regulations” to be transported in an excepted package;
- (b) are in an excepted package; and
- (c) are accompanied by a document that includes the shipping name and UN number of the radioactive materials.

1.44 Residue of Dangerous Goods in a Drum Exemption

Part 2 (Classification), Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) and Part 7 (Emergency Response Assistance Plan) do not apply to a residue of dangerous goods contained in a drum that is in transport on a road vehicle, a railway vehicle or a vessel on a domestic voyage, except for dangerous goods included in Packing Group I or contained in a drum otherwise requiring a label for Class 1, 4.3, 6.2 or 7, if

Residues in a drum

- (a) the drum has been emptied to the maximum extent possible in the course of normal use and is less than 10 per cent full;
- (b) the drum is being transported for the purpose of reconditioning or reuse in accordance with section 5.12 of Part 5, Means of Containment;
- (c) when more than 10 drums are on the road vehicle or on the railway vehicle, the road vehicle or railway vehicle has displayed on it the DANGER placard in accordance with Part 4, Dangerous Goods Safety Marks; and
- (d) the drums are accompanied by a document that includes the following information:
 - (i) the primary class of each residue and the words “Residue Drum(s)” or “fût(s) de résidu” when the primary class can be reasonably determined, preceded by the number of drums containing dangerous goods with that primary class, and
 - (ii) the words “Residue Drum(s) – Content(s) Unknown” or “fût(s) de résidu – contenu inconnu” if there are any residues for which the primary class cannot be reasonably determined, preceded by the number of drums containing the residues.

1.45 Fumigation of Means of Containment

These Regulations, except for subsection 3.5(3) of Part 3, Documentation, and section 4.21 of Part 4, Dangerous Goods Safety Marks, do not apply to a means of containment, or the contents of a means of containment, that is being fumigated with dangerous goods and that is in transport if the fumigant is the only dangerous goods in transport in the means of containment.

Fumigants

1.45.1 Marine Pollutants Exemption

Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, do not apply to substances that are classified as marine pollutants in accordance with section 2.43 of Part 2, Classification, if they are in transport solely on land by road vehicle or railway vehicle. However, substances may be identified as marine pollutants on a shipping document and the required dangerous goods safety marks may be displayed when they are in transport by road or railway vehicle.

Marine pollutants

1.46 Miscellaneous Special Cases

These Regulations do not apply to the following dangerous goods:

Exemptions for certain dangerous goods

- (a) ammoniating fertilizer solutions with an absolute pressure of ammonia less than or equal to 276 kPa at 41°C;
- (b) antimony oxides and antimony sulphides with 0.5 per cent or less arsenic by mass;
- (c) charcoal or carbons that are
 - (i) non-activated carbon blacks of mineral origin,
 - (ii) carbons made by a steam activation process, or
 - (iii) activated or non-activated carbons that pass the self-heating test for carbon in section 33.3.1.3.3 of the Manual of Tests and Criteria;
- (d) cinnabar;
- (e) cyclohexanone peroxides with 70 per cent or more inert inorganic solid, by mass;
- (f) Di-4-chlorobenzoyl peroxide or p-chlorobenzoyl peroxide with 70 per cent or more inert inorganic solid, by mass;
- (g) 1,3-Di-(2-tert-butylperoxyisopropyl) benzene or 1,4-Di-(2-tert-butylperoxyisopropyl) benzene, or mixtures of both, 60 per cent or more, by mass, of which consists of an inert solid, if the substance is in a means of containment in a total quantity less than or equal to 200 kg;
- (h) dibenzoyl peroxide or benzoyl peroxide that is in a concentration less than 35.5 per cent, by mass, with finely ground starch, calcium sulphate dihydrate or dicalcium phosphate dihydrate, or that is in a concentration less than 30 per cent, by mass, with 70 per cent or more, by mass, inert solid;
- (i) dicumyl peroxide with 60 per cent or more inert inorganic solid, by mass;
- (j) ferricyanides and ferrocyanides;
- (k) fish-meal that is acidified and is wetted with 40 per cent or more water, by mass;
- (l) *Repealed*
- (m) *Repealed*
- (n) sodium dichloroisocyanurate dihydrate;
- (o) solvent extracted soya bean meal free of flammable solvent and containing 1.5 per cent or less oil, by mass, and 11 per cent or less moisture, by mass; or
- (p) wood or wood products treated with wood preservatives.

1.47 UN1044, FIRE EXTINGUISHERS, Exemption

Subsections 5.10(1) and (2) of Part 5 (Means of Containment) do not apply to the handling, offering for transport or transporting of UN1044, FIRE EXTINGUISHERS, if the fire extinguishers

Fire extinguishers

- (a) do not contain dangerous goods included in Class 2.3, Class 6.1 or Class 8;
- (b) are contained in an outer means of containment;
- (c) have a capacity less than 18 L or, if they contain liquefied gas, a capacity less than 0.6 L;
- (d) have an internal pressure less than or equal to 1,650 kPa at 21°C; and
- (e) are manufactured, tested, maintained, marked and used in accordance with ULC Standard S504, ULC Standard S507, ULC Standard S512 or ULC Standard S554.

1.48 Air Ambulance Exemption

These Regulations, except for Part 8 (Reporting Requirements), do not apply to dangerous goods required for patient care on an aircraft if

Air ambulances

- (a) the aircraft is configured as an air ambulance and is used only as an air ambulance;
- (b) the transport of the dangerous goods is not forbidden in Schedule 1, Schedule 3 or the ICAO Technical Instructions;
- (c) the dangerous goods are under the control of a health care professional or a person who is trained in accordance with Part 6, Training;
- (d) in the case of
 - (i) dangerous goods included in Class 2, Gases, they are in one or more small means of containment in compliance with the requirements for transporting gases in Part 5, Means of Containment, or
 - (ii) dangerous goods not included in Class 2, Gases, they are in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; and
- (e) the means of containment are secured to prevent unintended movement during transport.

1.49 Cylinder Exemption

Cylinders

- (1) Subsection 5.1(1) and Section 5.10 of Part 5 (Means of Containment) do not apply to the handling, offering for transport or transporting of dangerous goods in a cylinder on a road vehicle or an aircraft if
- (a) the cylinder is from or for a vessel or an aircraft;
 - (b) the cylinder is transported solely for the purpose of refilling, exchanging or requalification;
 - (c) the cylinder is accompanied by a shipping document that includes the words “Cylinder in transport for purpose of refilling, exchanging or requalification in compliance with section 1.49 of the TDGR” or “Bouteille à gaz en transport aux fins de remplissage, d’échange ou de requalification en conformité avec l’article 1.49 du RTMD”;
 - (d) the cylinder is closed and secured so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
 - (e) in the case of a cylinder from or for a vessel that is a Canadian vessel as defined in section 2 of the “Canada Shipping Act, 2001”, the cylinder conforms, as applicable, to
 - (i) the “Fire Detection and Extinguishing Equipment Regulations”,
 - (ii) the “Life Saving Equipment Regulations”,
 - (iii) the “Large Fishing Vessel Inspection Regulations”,
 - (iv) the “Small Fishing Vessel Inspection Regulations”, and
 - (v) the “Small Vessel Regulations”;
 - (f) in the case of a cylinder from or for a vessel that is a foreign vessel as defined in section 2 of the “Canada Shipping Act, 2001” and that is a Safety Convention vessel as defined in that section, the cylinder is used for a purpose related to the operation or navigation of the vessel, including a life-saving or emergency purpose; and
 - (g) in the case of a cylinder from or for an aircraft, a flight authority, as defined in subsection 101.01(1) of the “Canadian Aviation Regulations”, has been issued in respect of the aircraft and the cylinder serves an aeronautical purpose, including a life-saving or emergency purpose.
- (2) When the cylinder has been requalified or filled, the exemption set out in subsection (1) applies only if the cylinder was requalified in accordance with clause 6.5.1(b) of CSA B340 and filled in compliance with clause 6.5.1(c) of CSA B340.

PART 2

Classification

Classes 1 to 9, Appendices 1 to 3

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>carrier</i>	<i>lithium content</i>
<i>Category A</i>	<i>Manual of Tests and Criteria</i>
<i>Category B</i>	<i>means of containment</i>
<i>class</i>	<i>mist</i>
<i>classification</i>	<i>offer for transport</i>
<i>compatibility group</i>	<i>packing group</i>
<i>consignor</i>	<i>primary class</i>
<i>culture</i>	<i>public safety</i>
<i>dangerous goods</i>	<i>railway vehicle</i>
<i>dust</i>	<i>release</i>
<i>fire point</i>	<i>road vehicle</i>
<i>flash point</i>	<i>shipping name</i>
<i>gas</i>	<i>solid</i>
<i>ICAO Technical Instructions</i>	<i>subsidiary class</i>
<i>IMDG Code</i>	<i>substance</i>
<i>import</i>	<i>technical name</i>
<i>infectious substance</i>	<i>UN number</i>
<i>in transport</i>	<i>UN Recommendations</i>
<i>LC₅₀</i>	<i>vapour</i>
<i>LD₅₀ (dermal)</i>	<i>vessel</i>
<i>LD₅₀ (oral)</i>	<i>watt-hour or Wh</i>
<i>liquid</i>	

2.1 Determining When Substances are Dangerous Goods

A substance is dangerous goods when

- (a) it is listed by name in Schedule 1 and is in any form, state or concentration that meets the criteria in this Part for inclusion in at least one of the 9 classes of dangerous goods; or
- (b) it is not listed by name in Schedule 1 but meets the criteria in this Part for inclusion in at least one of the 9 classes of dangerous goods.

Substances listed in Schedule 1

Substances not listed in Schedule 1

2.2 Responsibility for Classification

The consignor is responsible for determining the classification of dangerous goods. This activity is normally done by, or in consultation with, a person who understands the nature of the dangerous goods such as a manufacturer, a person who formulates, blends or otherwise prepares mixtures or solutions of goods or, in the case of infectious substances, a doctor, scientist, veterinarian, epidemiologist, genetic engineer, microbiologist, pathologist, nurse, coroner or laboratory technologist or technician.

2.2 Responsibility for Classification *continued*

- | | |
|---|---|
| <p>(1) Before allowing a carrier to take possession of dangerous goods for transport, the consignor must determine the classification of the dangerous goods in accordance with this Part.</p> | <p><i>Consignor to determine classification</i></p> |
| <p>(2) When importing dangerous goods into Canada, the consignor must ensure that they have the correct classification before they are transported in Canada.</p> | <p><i>Importing</i></p> |
| <p>(3) A consignor must use the following classifications:</p> <p style="margin-left: 20px;">(a) for substances included in Class 1, Explosives, the classification determined in accordance with the “Explosives Act”; and</p> <p style="margin-left: 20px;">(b) for radioactive materials, the classification determined in accordance with the “Packaging and Transport of Nuclear Substances Regulations”.</p> | <p><i>Previous classification</i></p> |
| <p>(3.1) For substances included in Class 6.2, Infectious Substances, a consignor may use a classification determined by the Public Health Agency of Canada or the Canadian Food Inspection Agency.</p> | |
| <p>(4) A consignor may use the appropriate classification in the ICAO Technical Instructions, the IMDG Code or the UN Recommendations to transport dangerous goods within Canada by a road vehicle, a railway vehicle or a vessel on a domestic voyage if these Regulations or the document from which the classification is taken does not forbid their transport.</p> | <p><i>ICAO, IMDG or UN classification</i></p> |
| <p>(5) If an error in classification is noticed or if there are reasonable grounds to suspect an error in classification, the consignor must not allow a carrier to take possession of the dangerous goods for transport until the classification has been verified or corrected.</p> | <p><i>Error in classification</i></p> |
| <p>(6) A carrier who notices an error in classification or has reasonable grounds to suspect an error in classification while the dangerous goods are in transport must advise the consignor and must stop transporting the dangerous goods until the consignor verifies or corrects the classification. The consignor must immediately verify or correct the classification and ensure that the carrier is provided with the verified or corrected classification.</p> | <p><i>Error in classification</i></p> |

2.2.1 Proof of Classification

- | | |
|--|---|
| <p>(1) A consignor who allows a carrier to take possession of dangerous goods for transport or who imports dangerous goods into Canada must, during a five-year period that begins on the date that appears on the shipping document, make a proof of classification available to the Minister on reasonable notice given by the Minister.</p> | <p><i>Consignor must have proof of classification</i></p> |
| <p>(2) For the purposes of this section, a proof of classification is</p> <p style="margin-left: 20px;">(a) a test report;</p> <p style="margin-left: 20px;">(b) a lab report; or</p> <p style="margin-left: 20px;">(c) a document that explains how the dangerous goods were classified.</p> | <p><i>Description of proof of classification</i></p> |

Figures 10.5 and 20.2 of the Manual of Tests and Criteria are examples of test reports.

A safety data sheet (SDS) is an acceptable proof of classification if it is accompanied by an explanation, under the heading “Transportation Information”, that describes how the dangerous goods were classified.

PART 3

Documentation

Background

The underlying principle of this Part is that dangerous goods in transport must be accompanied by physical documentation that provides basic information about them.

The documentation is prepared by the consignor before the carrier takes possession of the dangerous goods (that is, before the dangerous goods are in transport). The documentation must be kept in specific locations while the dangerous goods are in transport.

When information required by this Part is recorded on paper, that paper is a shipping document.

A shipping document may be in any form, including a waste manifest or a company-designed form, as long as it contains all the information required by this Part.

When information required by this Part is recorded electronically, the resulting document is an electronic copy of a shipping document.

A shipping document and an electronic copy of it are both shipping records.

When documentation is required to be kept, it may be in the form of a shipping record, that is, on paper or in electronic form.

The term “master” is used in this Part and is not defined in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases but is defined in the “Canada Shipping Act”.

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>aircraft</i>	<i>means of containment</i>
<i>CANUTEC</i>	<i>means of transport</i>
<i>carrier</i>	<i>net explosives quantity</i>
<i>49 CFR</i>	<i>offer for transport</i>
<i>class</i>	<i>packing group</i>
<i>classification</i>	<i>person</i>
<i>compatibility group</i>	<i>primary class</i>
<i>consignor</i>	<i>railway vehicle</i>
<i>dangerous goods</i>	<i>road vehicle</i>
<i>dangerous goods safety mark</i>	<i>shipping document</i>
<i>emergency response assistance plan or ERAP or ERP</i>	<i>shipping name</i>
<i>flash point</i>	<i>shipping record</i>
<i>gas</i>	<i>small means of containment</i>
<i>handling</i>	<i>solid</i>
<i>ICAO Technical Instructions</i>	<i>special provision</i>
<i>IMDG Code</i>	<i>subsidiary class</i>
<i>import</i>	<i>substance</i>
<i>infectious substance</i>	<i>technical name</i>
<i>inspector</i>	<i>train</i>
<i>in transport</i>	<i>UN number</i>
<i>liquid</i>	<i>UN Recommendations</i>
	<i>vessel</i>

3.5 Information on a Shipping Document

(1) The following information must be included on a shipping document:

- (a) the name and address of the place of business in Canada of the consignor;
- (b) the date the shipping document or an electronic copy of it was prepared or was first given to a carrier;
- (c) the description of each of the dangerous goods, in the following order:
 - (i) the UN number,
 - (ii) the shipping name and, immediately after the shipping name unless it is already part of it,
 - (A) for dangerous goods that are subject to special provision 16, the technical name, in parentheses, of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods, and
 - (B) for a liquefied petroleum gas that has not been odorized, the words “Not Odourized” or “Not Odorized” or “Sans odorisant”,
 - (iii) the primary class, which may be shown as a number only or under the heading “Class” or “Classe” or following the word “Class” or “Classe”,
 - (iv) for dangerous goods with a primary class of Class 1, Explosives, the compatibility group letter following the primary class,
 - (v) the subsidiary class or classes, in parentheses, which may be shown as a number only or under the heading “subsidiary class” or “classe subsidiaire” or following the words “subsidiary class” or “classe subsidiaire”, except that, for transport by aircraft or by vessel, the subsidiary class or classes may be shown after the information required by this paragraph,
 - (vi) the packing group roman numeral, which may be shown under the heading “PG” or “GE” or following the letters “PG” or “GE” or following the words “Packing Group” or “Groupe d’emballage”, and
 - (vii) for dangerous goods that are subject to special provision 23, the words “toxic by inhalation” or “toxic – inhalation hazard” or “toxique par inhalation” or “toxicité par inhalation”;

Information on shipping document:

- consignor's name and address

- date

- description

Examples of descriptions of dangerous goods are:

UN1203, GASOLINE, 3, II

UN1203, GASOLINE, Class 3, PG II

UN1214, ISOBUTYLAMINE, Class 3, Subsidiary Class (8), II

UN1214, ISOBUTYLAMINE, Class 3(8), Packing Group II

- (d) for each shipping name, the quantity of dangerous goods and the unit of measure used to express the quantity which, on a shipping document prepared in Canada, must be a unit of measure included in the International System of Units (SI) or a unit of measure acceptable for use under the SI system, except that for dangerous goods included in Class 1, Explosives, the quantity must be expressed in net explosives quantity or, for explosives with UN numbers subject to special provision 85 or 86, in number of articles or net explosives quantity;

- quantity of dangerous goods

Examples of descriptions of units of measure include “net mass, 30 kg”, “gross mass, 200 kg” or “number of objects, 1,000” or, for a gas, the volume of the means of containment in direct contact with the gas, such as “50 L”. Note that solids are normally measured in kilograms while volumes, including liquid capacities, are normally measured in litres. Using litres for this purpose is acceptable under the SI system.

3.5 Information on a Shipping Document *continued*

- (e) for dangerous goods in one or more small means of containment that require a label to be displayed on them in accordance with Part 4, Dangerous Goods Safety Marks, the number of small means of containment for each shipping name; and - number of small containers
- (f) the words “24-Hour Number” or “Numéro 24 heures”, or an abbreviation of these words, followed by a telephone number, including the area code, at which the consignor can be reached immediately for technical information about the dangerous goods in transport, without breaking the telephone connection made by the caller. - 24-hour number
- The terms “24-Hour Number” and “Numéro 24 heures” used in this paragraph refer to the telephone number that must be available when the dangerous goods are in transport. The terms were chosen to emphasize that the requirement is applicable not only during office hours but must also be satisfied at any hour of the day when the dangerous goods are in transport.*
- An example of the type of technical information referred to in paragraph (1)(f) is the information contained in ANSI Standard Z400.1-1998, Material Safety Data Sheet.*
- (2) The telephone number of a person who is not the consignor, such as CANUTEC, but who is competent to give the technical information required by paragraph (1)(f) in English or in French may be used. However, to use CANUTEC’s telephone number, the consignor must receive permission, in writing, from CANUTEC. A consignor who uses the telephone number of an organization or agency other than CANUTEC must ensure that the organization or agency has current, accurate information on the dangerous goods the consignor offers for transport and, if the organization or agency is located outside Canada, the telephone number must include the country code and, if required, the city code. CANUTEC
telephone number
- (3) A means of containment, or the contents of a means of containment, that is being fumigated with dangerous goods and that is in transport must be accompanied by a shipping document that, despite subsections (1) and (5) and section 3.6, includes the following information if the fumigant is the only dangerous goods in transport in the means of containment: Fumigated unit
- (a) the shipping name, “FUMIGATED UNIT” or “ENGIN SOUS FUMIGATION”;
- (b) the class, Class 9;
- (c) the UN number, UN3359;
- (d) the quantity of the fumigant;
- (e) the date of fumigation; and
- (f) instructions for the disposal of residues of the fumigant or fumigation device.
- (4) Despite paragraph (1)(d), if the quantity of dangerous goods in a means of containment is less than 10 per cent of the maximum fill limit of the means of containment, the words “Residue – Last Contained” or “Résidu – dernier contenu” may be added before or after the description of the dangerous goods. These words must not, however, be used for dangerous goods included in Class 2, Gases, that are in a small means of containment or for dangerous goods included in Class 7, Radioactive Materials. “Residue –
Last Contained”

For example:

*Residue – Last Contained, UN1203, GASOLINE, 3, II
UN1203, GASOLINE, 3, II, Residue – Last Contained*

- (5) If the quantity of dangerous goods required on a shipping document under paragraph (1)(d) or the number of small means of containment required under paragraph (1)(e) changes during transport, the carrier must show those changes on the shipping document or on a document attached to the shipping document.

Changes during transport

How the carrier shows the change in quantity is the carrier's choice. The carrier can change the number used to express quantity or the carrier may mark on the shipping document, or on a document attached to the shipping document, the additions to or the subtractions from the number used to express quantity.

The quantity of dangerous goods is expressed in kilograms for solids, in litres for liquids and in kilograms or litres for gases. It may also be expressed as a number of items.

3.6 Additional Information on a Shipping Document

- (1) In addition to the information required by subsection 3.5(1), the shipping document for dangerous goods for which an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, must include
- (a) the reference number of the emergency response assistance plan issued by Transport Canada preceded or followed by the letters “ERP” or “ERAP” or “PIU”; and
- (b) the telephone number, including the area code, to call to have the emergency response assistance plan activated immediately.
- (2) If the 24-hour number required by paragraph 3.5(1)(f) and the emergency response assistance plan telephone number are the same, that number may be shown on the same line on the shipping document.
- For example,*
- 24-Hour Number and 3-2021 ERP: 613-123-4567*
- 24-Hour Number and ERAP 3-2021: 613-123-4567*
- 3-2021 ERP and 24-Hour Number: 613-123-4567*
- ERAP 3-2021 and 24-Hour Number: 613-123-4567*
- (3) In addition to the information required by subsection 3.5(1), the following information must be included on a shipping document:
- (a) for dangerous goods in transport by vessel,
- (i) the flash point for dangerous goods included in Class 3, Flammable Liquids, and
- (ii) for dangerous goods that are marine pollutants under section 2.7 of Part 2, Classification, the words “marine pollutant” or “polluant marin” and, for a pesticide that is a marine pollutant, the name and concentration of the most active substance in the pesticide;
- (b) for dangerous goods included in Class 4.1, Flammable Solids, the control and emergency temperatures shown in section 2.4.2.3.2.3 of Chapter 2.4 of the UN Recommendations, if applicable;
- (c) for dangerous goods included in Class 5.2, Organic Peroxides, the control and emergency temperatures shown in section 2.5.3.2.4 of Chapter 2.5 of the UN Recommendations, if applicable; and
- (d) for dangerous goods included in Class 7, Radioactive Materials, the additional information required for transport documents under the “Packaging and Transport of Nuclear Substances Regulations”.

ERAP

- ERAP reference number

- 24-hour number

Phone numbers

Transport by vessel

- Class 3 flash point

- marine pollutants

Class 4.1

Class 5.2

Class 7

3.6.1 Consignor's Certification

- (1) Beginning on July 15, 2015, a shipping document must include, after the information required under section 3.5, one of the following certifications:
 - (a) “I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, are properly classified and packaged, have dangerous goods safety marks properly affixed or displayed on them, and are in all respects in proper condition for transport according to the Transportation of Dangerous Goods Regulations.”;
 - (b) the certification set out in section 172.204 of 49 CFR;
 - (c) the certification set out in section 5.4.1.6 of the ICAO Technical Instructions;
 - (d) the certification set out in section 5.4.1.6 of the IMDG Code; or
 - (e) the certification set out in section 5.4.1.6 of the UN Recommendations.
- (2) The certification must be made by an individual who is the consignor or by an individual acting on behalf of the consignor and must set out that individual's name.
- (3) This section does not apply in respect of an empty large means of containment that contained dangerous goods but has not been cleaned or purged.

Shipping document includes consignor's certification

- consignor certifies documentation, classification, packaging, safety marks, etc.

- person who can certify

- not required for empty container

3.7 Location of a Shipping Document: Road

The driver of a power unit that is attached to or is part of the cargo unit of a road vehicle transporting dangerous goods must ensure that a copy of the shipping document is kept, as follows:

Road vehicle: location of shipping document

- (a) if the driver is in the power unit, in a pocket mounted on the driver's door or within the driver's reach; or
- (b) if the driver is out of the power unit, in a pocket mounted on the driver's door, on the driver's seat or in a location that is clearly visible to anyone entering through the driver's door.

- driver in cab

- driver not in cab

3.8 Location of a Shipping Document and Consist: Rail

The person in charge of a train transporting dangerous goods must ensure that a copy of the shipping document and, when a consist is required, a copy of the consist are kept,

Rail vehicle: location of shipping document

- (a) when one or more members of the train crew are present, in the possession of one of them; or
- (b) when no member of the train crew is present, in the first locomotive.

- crew member present

- crew member not present

3.9 Location of a Shipping Document: Marine

- (1) The master of a vessel containing dangerous goods or the master in control of a vessel containing dangerous goods must have readily available on or near the bridge of the vessel a paper copy or electronic copy of
 - (a) the shipping document; or
 - (b) a list that includes the classification of the dangerous goods.
- (2) If dangerous goods are transported by vessel on board a road vehicle that is accompanied by one or more drivers or a railway vehicle that is accompanied by one or more members of the train crew, a driver or a member of the train crew must notify the master of the vessel or the marine carrier of the presence of the dangerous goods and make available to the master a copy of the shipping document. However, the shipping document must be kept, for the road vehicle, in accordance with section 3.7 and, for the railway vehicle, in the possession of a member of the train crew.

Vessel: location of dangerous goods information

Road or rail vehicle on a vessel

3.10 Location of a Shipping Document: Storage in the Course of Transportation

- (1) A carrier must ensure that a shipping document is placed in a waterproof receptacle that is securely attached to or near the means of containment containing the dangerous goods, at a readily identifiable and accessible location, when the dangerous goods are in transport if
- Storage during transport: location of shipping document*
- (a) they are left in an unsupervised area
 - (i) after being unloaded from a means of transport,
 - (ii) after the cargo unit of a road vehicle containing them has been disconnected from the power unit, or
 - (iii) when the railway vehicle containing them is no longer part of a train; and
 - (b) possession of the dangerous goods has not been transferred to another person.
- (2) When dangerous goods in transport are left in a supervised area, the person in charge of the supervised area is considered to have taken possession of the dangerous goods. The carrier must leave a copy of the shipping document with that person, who must keep it and give it to the next person who takes possession of the dangerous goods.
- supervised area*
- (3) When the person in charge of a supervised area is absent from the area, that person must ensure that the copy of the shipping document is
- supervisor absent*
- (a) placed in a waterproof receptacle securely attached to or near the means of containment containing the dangerous goods, at a readily identifiable and accessible location; or
 - (b) left in the possession of an employee who is present in the supervised area and is designated for this purpose by the person in charge of the supervised area.
- (4) Despite the locations specified in subsections (1) to (3), when dangerous goods that are in transport by road vehicle, railway vehicle or vessel are stored in a supervised or unsupervised area, the shipping document or an electronic copy of it may be left at the office of a person referred to in one of the following paragraphs if the conditions in subsections (5) and (6) are complied with:
- shipping document left at office*
- (a) the rail dispatcher for the area in which the railway vehicle is located;
 - (b) the person responsible for the port at which the dangerous goods are located; or
 - (c) the marine terminal manager at the terminal where the dangerous goods are located.
- (5) When a shipping record is left at the office of a person referred to in subsection (4),
- shipping document left at office*
- (a) use of the telephone number of that office must be approved in accordance with subsection (6); and
 - (b) that person or that person's representative must provide immediately, at the request of a federal, provincial or municipal official including a member of a fire department, a facsimile or electronic copy of the shipping record or, if requested, a voice description of the information on the shipping record.
- (6) The telephone number of the office of a person referred to in subsection (4) must not be used to comply with subsection (5), unless that person gives CANUTEC the following information and receives approval, in writing, from CANUTEC to use that telephone number:
- CANUTEC approval in writing*
- (a) the name and address of the person;
 - (b) the telephone number of the office of the person;

3.10 Location of a Shipping Document: Storage in the Course of Transportation *continued*

- (c) the physical area to which the telephone number applies and, in the case of a port or a marine terminal, evidence that public access to the area is controlled;
 - (d) the period of time, not to exceed 5 years, for which CANUTEC’s approval is requested; and
 - (e) the dangerous goods to which the approval applies.
- (7) The Director General may revoke, in writing, the approval to use a telephone number if
- (a) the person referred to in subsection (4), or that person’s representative, does not answer the telephone;
 - (b) the person referred to in subsection (4), or that person’s representative, does not provide immediately, at the request of a federal, provincial or municipal official including a member of a fire department, a facsimile or an electronic copy of the shipping record or, if requested, a voice description of the information on the shipping record; or
 - (c) public access to a port or marine terminal is not controlled.

- approval may be revoked

3.11 Keeping Shipping Document Information

- (1) A consignor must be able to produce a copy of any shipping document
- (a) for two years after the date the shipping document or an electronic copy of it was prepared or given to a carrier by the consignor;
 - (b) for dangerous goods imported into Canada, for two years after the date the consignor ensured that the carrier, on entry into Canada, had a shipping document or an electronic copy of one; and
 - (c) within 15 days after the day on which the consignor receives a written request from an inspector.
- (2) When dangerous goods are no longer in transport, each carrier who transported the dangerous goods must be able to produce a copy of the shipping document that related to the dangerous goods and was required to be in the possession of that carrier while the dangerous goods were in transport
- (a) for two years after the date the dangerous goods are no longer in transport; and
 - (b) within 15 days after the day on which the carrier receives a written request from an inspector.
- (3) Subsection (2) does not apply to a carrier who transported dangerous goods
- (a) from a place outside Canada, through Canada to a place outside Canada or for a portion of such transportation; or
 - (b) entirely outside Canada
 - (i) on board a vessel, or
 - (ii) on board an aircraft that is registered in Canada and leased to a foreign carrier.
- (4) Subsection (2) does not apply to a carrier who is involved only in handling the dangerous goods, including storing them in the course of transport.
- (5) The shipping documents referred to in this section may be kept as electronic copies.

Copy of shipping document after transport

- consignor

- carrier

- international consignments

- handling only

- electronic copies

PART 4

Dangerous Goods Safety Marks

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PART 4

Dangerous Goods Safety Marks

Background

Dangerous goods safety marks are required to be displayed on a means of containment containing dangerous goods in transport. Dangerous goods safety marks include labels, placards, orange panels, signs, marine pollutant marks, numbers, letters, abbreviations and words used to identify dangerous goods and to show the nature of the danger they pose.

Dangerous goods safety marks give a quick identification of dangerous goods in the event of an emergency situation such as an accident or an accidental release of dangerous goods from a means of containment.

Dangerous goods safety marks are also an awareness tool for people involved in transportation, including truck drivers, train crews, loading dock workers, reception personnel at a lab or a hospital and aircraft loading personnel.

Generally, labels are displayed on small means of containment and placards are displayed on large means of containment.

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>Act</i>	<i>means of containment</i>
<i>aircraft</i>	<i>means of transport</i>
<i>CANUTEC</i>	<i>net explosives quantity</i>
<i>capacity</i>	<i>offer for transport</i>
<i>carrier</i>	<i>overpack</i>
<i>Category B</i>	<i>packing group</i>
<i>49 CFR</i>	<i>person</i>
<i>class</i>	<i>prescribed</i>
<i>compatibility group</i>	<i>primary class</i>
<i>consignment</i>	<i>public safety</i>
<i>consignor</i>	<i>railway vehicle</i>
<i>consolidation bin</i>	<i>release</i>
<i>cylinder</i>	<i>road vehicle</i>
<i>dangerous goods</i>	<i>ro-ro ship</i>
<i>dangerous goods safety mark</i>	<i>safety mark</i>
<i>emergency response assistance plan or ERAP or ERP</i>	<i>shipping name</i>
<i>flash point</i>	<i>small means of containment</i>
<i>gas</i>	<i>solid</i>
<i>gross mass</i>	<i>special provision</i>
<i>handling</i>	<i>subsidiary class</i>
<i>ICAO Technical Instructions</i>	<i>substance</i>
<i>import</i>	<i>technical name</i>
<i>infectious substance</i>	<i>transport index</i>
<i>in transport</i>	<i>UN number</i>
<i>large means of containment</i>	<i>UN Recommendations</i>
<i>liquid</i>	<i>vessel</i>

4.12 UN Numbers on a Small Means of Containment or on a Tag

- (1) When dangerous goods in transport are in a small means of containment on which the primary class label for the dangerous goods is displayed, the UN number for the dangerous goods must be displayed on or next to the primary class label.
- (2) When the primary class label for dangerous goods in transport is displayed on a tag in accordance with subsection 4.10(4), the UN number must also be displayed on the tag on or next to the primary class label.

UN number beside or on a label

UN number on a tag

4.13 Repealed

4.14 Class 7, Radioactive Material

- (1) For dangerous goods included in Class 7, Radioactive Material, the label or placard required to be displayed by this Part must be determined in accordance with the “Packaging and Transport of Nuclear Substances Regulations”.
- (2) For dangerous goods included in Class 7, Radioactive Material, the following information must be determined in accordance with the “Packaging and Transport of Nuclear Substances Regulations”, and must be displayed on the primary class label for the dangerous goods:
 - (a) the name or symbol of the radionuclide, except that if there is a mixture of radionuclides, the name or symbol of the most restrictive of the radionuclides in the mixture; and
 - (b) the activity and the transport index of the dangerous goods.

Class 7: information on label

4.15 Placards on a Large Means of Containment

- (1) The primary class placard for each of the dangerous goods contained in a large means of containment, other than a vessel or an aircraft, must be displayed on each side and on each end of the large means of containment.
- (2) If two or more dangerous goods have different UN numbers but are identified by the same placard or placards, the placard or placards are required to be displayed only once on each side and on each end of a large means of containment.

Placard and UN number on large container

Different UN numbers

Each placard needs to be displayed only once on each side and each end of a large means of containment regardless of how many products in the large means of containment have that class (primary or subsidiary).

For example, if UN1052, HYDROGEN FLUORIDE, ANHYDROUS (primary class 8 and subsidiary class 6.1), and UN1541, ACETONE CYANOHYDRIN, STABILIZED (class 6.1), are transported together in a truck, only 2 placards are required to be displayed on each side and on each end of the truck: the Class 8 placard (Corrosives) and the Class 6.1 placard (Toxic Substances).

4.15.1 Subsidiary Class Placards on a Large Means of Containment

A subsidiary class placard for dangerous goods must be displayed, next to the primary class placard for the dangerous goods, on each side and on each end of a large means of containment if the dangerous goods require an emergency response assistance plan and

Placard for subsidiary class

- (a) have a subsidiary class of Class 1, Explosives, in which case the placard is the one illustrated for Class 1.1, 1.2 or 1.3 in the appendix to this Part;
- (b) have a subsidiary class of Class 4.3, Water-reactive Substances, in which case the placard is the one illustrated for Class 4.3 in the appendix to this Part;
- (c) have a subsidiary class of Class 6.1, Toxic Substances, and are included in Packing Group I due to inhalation toxicity, in which case the placard is the one illustrated for Class 6.1 in the appendix to this Part; or
- (d) have a subsidiary class of Class 8, Corrosives, and are UN2977, RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE, or UN2978, RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile excepted, in which case the placard is the one illustrated for Class 8 in the appendix to this Part.

4.15.2 UN Numbers on a Large Means of Containment

UN numbers, except UN numbers for dangerous goods included in Class 1, Explosives, must be displayed on a large means of containment in accordance with subsection 4.8(2) if the dangerous goods

UN number also required

- (a) are in a quantity or concentration for which an emergency response assistance plan is required; or
- (b) are a liquid or a gas in direct contact with the large means of containment.

4.15.3 Placards and UN Numbers on a Large Means of Containment

A placard, or a placard and UN number, must be displayed on each side and on each end of a large means of containment, except that

Placard and UN number required

- (a) in the case of a large means of containment that is permanently connected to a frame, such as a truck frame or a supporting frame for the means of containment, the placard, or the placard and UN number, may be displayed on the frame if the resulting position of the placard, or the placard and UN number, is equivalent on each side and on each end of the means of containment;
- (b) in the case of a large means of containment that is a trailer unit, the placard, or the placard and UN number, may be displayed on the front of the vehicle that is attached to the trailer unit rather than on the leading end of the trailer unit; and
The trailer unit of a truck includes a tank.
- (c) in the case of a large means of containment that is an intermediate bulk container (IBC) with a capacity greater than 450 L but less than or equal to 3,000 L,
 - (i) a placard and UN number may be displayed on two opposite sides of the IBC, or
 - (ii) a label for each primary and subsidiary class as well as a UN number and a shipping name may be displayed on two opposite sides of the IBC.

- may be displayed on frame

- may be displayed on vehicle

- may be displayed on IBC

When IBCs that have labels on them are inside a road vehicle or railway vehicle or are loaded onto a road vehicle or railway vehicle, the requirements of this Part for the display of placards on the road vehicle or railway vehicle still apply.

4.15.4 Visibility of Labels, Placards and UN Numbers on a Large Means of Containment

(1) When a large means of containment that has labels or placards displayed on it is inside another large means of containment and those labels or placards are not visible, the placards required by this Part must be displayed on the outer large means of containment. The UN numbers that are required by this Part must also be displayed on the outer large means of containment.

- placards and UN numbers visible on outer container

(2) When a large means of containment that has labels, placards, labels and UN numbers, or placards and UN numbers, displayed on it is loaded onto another large means of containment and those labels, placards, labels and UN numbers, or placards and UN numbers, are visible, the placards, or placards and UN numbers, are not required to be displayed on the other large means of containment.

- labels, placards and UN numbers visible during transport

For example, IBCs carried on a flatbed truck.

4.16 DANGER Placard

The display of a DANGER placard is not mandatory, but if it is not displayed, compliance with section 4.15 is required and the primary class placards for the dangerous goods must be displayed. However, compliance with section 4.15 is always required for dangerous goods that are not allowed to be identified by the DANGER placard but that may be loaded into the same large means of containment.

(1) Except in the case of the dangerous goods listed in subsection (2) or a flammable gas referred to in subsection (3), a DANGER placard is permitted to be displayed on a large means of containment instead of any other placard required by section 4.15, if

DANGER placard allowed for dangerous goods that require different placards

- (a) the large means of containment contains two or more dangerous goods that require different placards; and
- (b) the dangerous goods loaded into the large means of containment are contained in two or more small means of containment.

(2) The DANGER placard referred to in subsection (1) must not be displayed on a large means of containment for

DANGER placard not allowed for certain dangerous goods

- (a) dangerous goods that have a gross mass greater than 1,000 kg, are included in the same class and are offered for transport by one consignor;
- (b) dangerous goods that require an emergency response assistance plan;
- (c) dangerous goods included in Class 1, Explosives;
- (d) dangerous goods included in Class 2.3, Toxic Gases;
- (e) dangerous goods included in Class 4.3, Water-reactive Substances;
- (f) dangerous goods included in Class 5.2, Organic Peroxides, Type B, liquid or solid, that require a control or emergency temperature;
- (g) dangerous goods included in Class 6.1, Toxic Substances, that are subject to special provision 23; and
- (h) dangerous goods included in Class 7, Radioactive Materials, that require a Category III – Yellow label.

(3) If a road vehicle or railway vehicle to be transported by vessel contains a flammable gas, the flammable gas placard illustrated in the appendix to this Part must be displayed on the road vehicle or railway vehicle.

Flammable gas on vehicle transported by vessel

4.16.1 Placarding Exemption for Dangerous Goods Having a Gross Mass of 500 kg or Less

Subsection (1) provides an exemption from placarding requirements if the dangerous goods in or on a road vehicle or railway vehicle have a gross mass that is less than or equal to 500 kg.

Subsection (2) sets out which dangerous goods cannot be counted in the 500 kg and are, therefore, subject to the placarding requirements.

For example, a road vehicle contains 2,300 kg of dangerous goods. Of that quantity, 2,000 kg are dangerous goods that meet one of the conditions in subsection (2) and 300 kg are dangerous goods that do not meet any of the conditions in subsection (2).

The 2,000 kg of dangerous goods that meet one of the conditions in subsection (2) require a placard, but the remaining 300 kg of dangerous goods do not require a placard.

- (1)** Except in the case of the dangerous goods listed in subsection (2), a placard is not required to be displayed on a road vehicle or railway vehicle if the dangerous goods in or on the road vehicle or railway vehicle have a gross mass that is less than or equal to 500 kg.
- (2)** The exemption set out in subsection (1) does not apply to dangerous goods
 - (a)** requiring an emergency response assistance plan;
 - (b)** requiring the display of a subsidiary class placard in accordance with section 4.15.1;
 - (c)** included in Class 1, Explosives, except for
 - (i)** explosives referred to in subsection 4.17(1), and
 - (ii)** explosives included in Class 1.1, 1.2, 1.3 or 1.5, if
 - (A)** the explosives are not subject to special provision 85 or 86 and have a net explosives quantity that is less than or equal to 10 kg, or
 - (B)** the explosives are subject to special provision 85 or 86 and the number of articles of explosives is less than or equal to 1,000;
 - (d)** included in Class 2.1, Flammable Gases, if the road vehicle or railway vehicle is to be transported by vessel;
 - (e)** included in Class 2.3, Toxic Gases;
 - (f)** included in Class 4.3, Water-reactive Substances;
 - (g)** included in Class 5.2, Organic Peroxides, Type B, liquid or solid, that require a control or emergency temperature;
 - (h)** included in Class 6.1, Toxic Substances, that are subject to special provision 23; or
 - (i)** included in Class 7, Radioactive Materials, that require a Category III – Yellow label.

Placard not required for 500 kg or less of dangerous goods

Dangerous goods not included in exemption

4.17 Class 1, Explosives

- (1) Despite section 4.15, a placard is not required to be displayed for explosives that are included in
- (a) Class 1.4, except for UN0301, AMMUNITION, TEAR-PRODUCING, and are in a quantity that is less than or equal to 1,000 kg net explosives quantity; or
 - (b) Class 1.4S and are in any quantity.
- UN0301 requires an emergency response assistance plan (ERAP). The ERAP index in column 7 of Schedule 1 for UN0301 is 75.*
- (2) Despite section 4.15, only the placard for the explosives with the lowest division number is required to be displayed for explosives that are included in more than one division and are in a large means of containment, except in the following cases:
- (a) when explosives included in Class 1.2 and Class 1.5 are transported together, the placard for Class 1.1 must be displayed; and
 - (b) when explosives included in Class 1.4 and Class 1.5 are transported together, the placard for Class 1.5 must be displayed.

*Explosives**- Class 1.4**- more than one division***4.18 Options for Class 2, Gases**

Despite section 4.15, if a road vehicle transporting toxic gases, flammable gases or oxygen, or gases included in Class 2.2, Non-Flammable and Non-toxic Gases, is placarded with the Toxic Gases placard, the following placards are not required to be displayed on the road vehicle:

- (a) the Flammable Gases placard;
- (b) the Oxidizing Gases placard; and
- (c) the Non-Flammable and Non-toxic Gases placard.

*Gases
- more than one primary class or UN number***4.18.1 Class 2, Gases: Placards for Oxidizing Gases**

When dangerous goods included in Class 2, Gases, and contained in a large means of containment are oxidizing gases, the oxidizing gas placard illustrated in the appendix to this Part must be displayed on the large means of containment for the following dangerous goods instead of the placard required by section 4.15, but if an emergency response assistance plan is required for the dangerous goods the UN number must also be displayed:

- (a) UN1072, OXYGEN, COMPRESSED;
- (b) UN1073, OXYGEN, REFRIGERATED LIQUID;
- (c) UN3156, COMPRESSED GAS, OXIDIZING, N.O.S.; and
- (d) UN3157, LIQUEFIED GAS, OXIDIZING, N.O.S.

*Oxidizing gas placard***4.18.2 Class 2, Gases: Placards for UN1005, ANHYDROUS AMMONIA**

When UN1005, ANHYDROUS AMMONIA, is contained in a large means of containment, the large means of containment must have displayed on it

- (a) the Class 2.3 placard and a UN number; or
- (b) the anhydrous ammonia placard and, on at least two sides, the words “Anhydrous Ammonia, Inhalation Hazard” or “Ammoniac anhydre, dangereux par inhalation” in letters
 - (i) at least 6 mm wide and 100 mm high in the case of a tank car,
 - (ii) at least 4 mm wide and 25 mm high in the case of a portable tank, and;
 - (iii) at least 6 mm wide and 50 mm high in the case of all other large means of containment.

Anhydrous ammonia placard

4.18.3 Class 2, Gases: Placards for Tube Trailers

When dangerous goods included in Class 2, Gases, are contained in a combination of tubes that are a single unit as a result of being interconnected through a piping arrangement and are permanently mounted on a structural frame for transport, the combination of tubes may be placarded as if it were one large means of containment.

*Placards for
tube trailers*

4.19 Placards and UN Numbers on a Compartmentalized Large Means of Containment

- (1) When dangerous goods included in different primary classes are transported in different compartments of a compartmentalized large means of containment,
- (a) the primary class placard and the UN number for the dangerous goods in each compartment must be displayed on each side of that compartment; and
 - (b) each placard and UN number displayed in accordance with paragraph (a) must be displayed on each end of the compartmentalized large means of containment but each specific placard need only be displayed once on each end.

*Compartmentalized
container
- different
primary classes*

- (2) When all compartments in a compartmentalized large means of containment contain dangerous goods included in the same primary class,
- (a) the primary class placard must be displayed on each side and on each end of the compartmentalized large means of containment; and
 - (b) the UN number of the dangerous goods in a compartment must be displayed on each side of that compartment and on each end of the compartmentalized large means of containment, except that, if all the dangerous goods are included in Class 3, Flammable Liquids, only the UN number of the dangerous goods with the lowest flash point is required to be displayed on each side and on each end of the compartmentalized large means of containment.

- same primary class

- (3) Despite paragraph (2)(b), if a compartmentalized large means of containment contains UN3475, ETHANOL AND GASOLINE MIXTURE, the number “3475” must be displayed, in addition to the UN number – without the prefix “UN” – of the dangerous goods with the lowest flash point, on each side and on each end of the compartmentalized large means of containment.

*- ethanol and
gasoline mixture*

4.20 Elevated Temperature Sign

- (1) In addition to the requirements for placards and UN numbers in section 4.15, the elevated temperature sign must be displayed for dangerous goods that are contained in a large means of containment and that are offered for transport or transported at a temperature greater than or equal to
- (a) 100°C if the dangerous goods are in a liquid state; and
 - (b) 240°C if the dangerous goods are in a solid state.
- (2) The elevated temperature sign must be displayed on each side and on each end of the large means of containment next to each primary class placard for the dangerous goods or, if there is a subsidiary class placard, next to the subsidiary class placard.

*Elevated
temperature sign
- temperatures*

- location of placards

4.21 Fumigation Sign

- | | |
|---|--|
| <p>(1) If the fumigation of a large means of containment is done using dangerous goods, the fumigation sign must be displayed at or next to each entryway through which a person can enter into the large means of containment. The consignor must ensure that the fumigation sign is displayed by the person in charge of the fumigation process and that the sign has displayed on it the name of the fumigant, the date and time the fumigant was applied and the date of ventilation.</p> | <p><i>Fumigation sign at each entryway</i></p> |
| <p>(2) The fumigation sign must continue to be displayed on a large means of containment that has been fumigated until</p> <p>(a) the large means of containment has been ventilated to remove harmful concentrations of the fumigant; and</p> <p>(b) the dangerous goods that were in the large means of containment during the fumigation have been unloaded.</p> | <p><i>Removal of fumigation sign</i></p> |

4.22 Marine Pollutant Mark

- | | |
|--|---|
| <p>(1) In addition to the requirements for placards and UN numbers in section 4.15, the marine pollutant mark must be displayed in the following locations, for dangerous goods that are marine pollutants in transport by vessel:</p> <p>(a) on a small means of containment, next to the primary class label for the dangerous goods or, if there is a subsidiary class label, next to the subsidiary class label; and</p> <p>(b) on each side and each end of a large means of containment next to the placard that is required to be displayed for the dangerous goods.</p> | <p><i>Marine pollutant marks</i></p> <p><i>- on small container</i></p> <p><i>- on large container</i></p> |
| <p>(2) The marine pollutant mark is not required to be displayed when marine pollutants are</p> <p>(a) on board a road vehicle or railway vehicle on a ro-ro ship; or</p> <p>(b) contained in</p> <p>(i) a small means of containment and are in a quantity that is less than or equal to 5 L for a liquid marine pollutant or 5 kg for a solid marine pollutant, or</p> <p>(ii) a large means of containment and</p> <p>(A) are in a quantity that is less than or equal to 500 kg,</p> <p>(B) are transported by vessel on a domestic voyage, and</p> <p>(C) the large means of containment does not contain Class 1, Explosives, other than explosives included in Class 1.4, Class 5.2, Organic Peroxides, Class 6.1, Toxic Substances, or Class 7, Radioactive Materials.</p> | <p><i>Marine pollutant mark not required</i></p> <p><i>- ro-ro ship</i></p> <p><i>- quantities in small container</i></p> <p><i>- quantities in large container</i></p> |
| <p>(3) The placard and UN number are not required to be displayed for substances identified as marine pollutants in subparagraph 2.43(b)(ii) when the marine pollutant mark is not required to be displayed in accordance with subsection (2).</p> | <p><i>Placard and UN number not required</i></p> |

4.22.1 Category B Mark

The Category B mark illustrated in the appendix to this Part must be displayed, instead of the Class 6.2, Infectious Substances label, on a small means of containment containing infectious substances included in UN3373, BIOLOGICAL SUBSTANCE, CATEGORY B.

Mark for infectious substances, Category B

4.23 Toxic – Inhalation Hazard

A person must not import, offer for transport, handle or transport dangerous goods that are included in Class 6.1, Toxic Substances, in accordance with paragraph 2.28(c) of Part 2 (Classification), or Class 2.3, Toxic Gases, in accordance with paragraph 2.14(c) of Part 2 (Classification), unless the words “inhalation hazard” or “dangereux par inhalation” are displayed

“Inhalation hazard” displayed

- (a) in the case of a small means of containment, in letters at least 12 mm high, next to the shipping name, unless these words are already part of the shipping name; and
- (b) in the case of a large means of containment, on two opposite sides of the large means of containment, in addition to any placard or placard and UN number required by this Part, in letters
 - (i) at least 6 mm wide and 100 mm high in the case of a tank car,
 - (ii) at least 4 mm wide and 25 mm high in the case of a portable tank or an intermediate bulk container (IBC), and
 - (iii) at least 6 mm wide and 50 mm high in the case of all other large means of containment.

4.24 Lithium Battery Mark

- (1) For the purposes of special provision 34, the lithium battery mark, illustrated in the appendix to this Part, must indicate
 - (a) “UN3090” for lithium metal cells or batteries;
 - (b) “UN3480” for lithium ion cells or batteries; and
 - (c) “UN3091” or “UN3481”, as appropriate, for lithium cells or batteries that are contained in, or packed with, equipment.
- (2) When a means of containment contains lithium cells or batteries assigned to different UN numbers, all applicable UN numbers must be indicated on one or more marks.
- (3) Subject to subsection (4), the mark must be at least 120 mm wide × 110 mm high and the hatching must be at least 5 mm wide.
- (4) The dimensions of the mark may be reduced for a means of containment that is an irregular shape or size if
 - (a) the mark is at least 105 mm wide × 74 mm high; and
 - (b) every symbol, letter and number required on the mark is reduced proportionately.

Mark for lithium batteries

PART 5

Means of Containment

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PART 5

Means of Containment

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>aerosol container</i>	<i>means of containment</i>
<i>aircraft</i>	<i>means of transport</i>
<i>capacity</i>	<i>net explosives quantity</i>
<i>Category A</i>	<i>offer for transport</i>
<i>Category B</i>	<i>packing group</i>
<i>certification safety mark</i>	<i>person</i>
<i>49 CFR</i>	<i>public safety</i>
<i>class</i>	<i>railway vehicle</i>
<i>compatibility group</i>	<i>release</i>
<i>consolidation bin</i>	<i>road vehicle</i>
<i>culture</i>	<i>safety requirements</i>
<i>cylinder</i>	<i>safety standards</i>
<i>dangerous goods</i>	<i>small means of containment</i>
<i>flash point</i>	<i>standardized means of containment</i>
<i>gas</i>	<i>subsidiary class</i>
<i>gross mass</i>	<i>substance</i>
<i>handling</i>	<i>tube</i>
<i>IMDG Code</i>	<i>Type 1A means of containment</i>
<i>IMDG Code, 29th Amendment</i>	<i>Type 1B means of containment</i>
<i>import</i>	<i>Type 1C means of containment</i>
<i>infectious substance</i>	<i>UN Recommendations</i>
<i>in standard</i>	<i>UN standardized means of containment</i>
<i>in transport</i>	<i>vessel</i>
<i>large means of containment</i>	
<i>liquid</i>	

5.1 Interpretation – Crude Oil, Oil and Refined Petroleum Products

For the purposes of this Part

(a) crude oil means

- (i)** oil, other than refined petroleum products,
- (ii)** a blend of oils, other than refined petroleum products, or
- (iii)** a blend of oils, other than refined petroleum products, with refined petroleum products;

Crude oil - definition

(b) oil means

- (i)** crude oil produced at a wellhead in liquid form, and
- (ii)** any other hydrocarbons, except coal and gas, including hydrocarbons that may be extracted or recovered from deposits of oil sand, bitumen, bituminous sand, oil shale or from any other types of deposits on the surface or subsurface or the seabed or its subsoil; and

Oil - definition

(c) refined petroleum products means

- (i)** gasoline-type fuels for use in internal combustion engines,
- (ii)** oil for use as a component in the blending of gasoline-type fuels referred to in subparagraph (i),
- (iii)** middle distillates, including the products commercially known as kerosene, solvents, stove oil, diesel fuel, furnace oil, diesel oil, gas oil, distillate heating oil, engine distillates and Nos. 1, 2, and 3 fuel oils, and
- (iv)** heavy fuel oils, including Nos. 4, 5 and 6 fuel oils, bunker “C” oil, “C” grade oil, residual fuel oil, heavy bunker oil, intermediate and thin bunker fuels and any blend of heavy fuel oils

Refined petroleum products - definition

5.1.1 Selecting and Using Means of Containment

- (1)** A person must not handle, offer for transport, transport or import dangerous goods in a means of containment unless the means of containment is required or permitted by this Part to be used for the transportation of the dangerous goods.
- (2)** A person must not handle, offer for transport or transport dangerous goods in a standardized means of containment unless the standardized means of containment is in standard.
- (3)** A person must not handle, offer for transport or transport dangerous goods in a means of containment that is required or permitted by this Part unless the means of containment is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety.

Required or permitted means of containment

Standardized means of containment in standard

No accidental release of dangerous goods

5.2 Requirements for a Standardized Means of Containment to be in Standard

A standardized means of containment is in standard with a specific safety standard if it has displayed on it the certification safety marks required by the standard and

Certification safety marks

- (a) was in compliance with the requirements of the standard when each certification safety mark was first displayed; and
- (b) remains in compliance with the requirements of the standard that had to be complied with when each certification safety mark was first displayed.

5.3 Certification Safety Marks on a Means of Containment

Any mark required by a safety standard is a certification safety mark and must be visible and legible when it is displayed on a means of containment.

Visible and legible

Under section 8 of the Act, a person must not sell, offer for sale, deliver, distribute, import or use a standardized means of containment unless it has displayed on it all the applicable prescribed safety marks.

5.4 Loading and Securing

A person must load and secure dangerous goods in a means of containment and must load and secure the means of containment on a means of transport in such a way as to prevent, under normal conditions of transport, damage to the means of containment or to the means of transport that could lead to an accidental release of the dangerous goods.

Loading and securing

5.5 Filling Limits

- (1) A person filling a means of containment with dangerous goods must not exceed the maximum quantity limit specified in a safety standard or safety requirement applicable to that means of containment.
- (2) If the maximum quantity limit for a means of containment is not specified in a safety standard or safety requirement, the person filling the means of containment with dangerous goods
 - (a) must not exceed the maximum quantity limit established by the manufacturer for the means of containment; and
 - (b) must ensure that the means of containment could not become liquid full at any temperature that is less than or equal to 55°C.

Specified filling limit

Specified filling limit

5.6 UN Standardized Means of Containment

A means of containment is a UN standardized means of containment if it has displayed on it the applicable UN marks illustrated in Chapter 6.1, Chapter 6.3 and Chapter 6.5 of the UN Recommendations and

UN marks

- (a) it is in compliance with
 - (i) sections 2 and 3 and Part I of CGSB-43.125 for a Type P620 means of containment,
 - (ii) sections 2 and 3 and Part I of CGSB-43.146, or
 - (iii) sections 2 and 3 and Part 1 of TP14850; or
- (b) it was manufactured outside Canada in compliance with Chapter 6.1, 6.3 or 6.5 of the UN Recommendations and with the national regulations of the country of manufacture.

In compliance with Canadian standards

In compliance with international standards

Class 1, Explosives

5.7 Compatibility Groups

- (1) A person must not load or transport with other explosives in the same means of transport, except for a vessel, explosives that have a compatibility group letter listed in column 1 of a row in the following table unless the compatibility group letter of the other explosives is listed in column 2 of the same row:

*Explosives:
compatibility
group letters*

TABLE

<i>Column 1</i>	<i>Column 2</i>
A	A
B	B, S
C	C, D, E, N, S
D	C, D, E, N, S
E	C, D, E, N, S
F	F, S
G	G, S
H	H, S
J	J, S
K	K, S
L	L
N	C, D, E, N, S
S	B, C, D, E, F, G, H, J, K, N, S

- (2) For a mixed load of two or more explosives with compatibility groups C, D, E, N or S, the compatibility group of the mixed load is the first compatibility group of E, D, C, N or S present in the mixed load.
- (3) Despite subsection (1), detonators in compatibility group B may be loaded or transported in the same road vehicle with explosives in compatibility group D or N. The compatibility group of the mixed load is D.
- (4) Despite subsection (1), explosive articles included in compatibility group G, except for fireworks with UN number UN0333, UN0334, UN0335 or UN0336, may be loaded or transported in the same road vehicle together with explosive articles included in compatibility group C, D or E. The compatibility group of the mixed load is E.
- (5) For a mixed load of two explosives with one of the compatibility groups being S, the compatibility group of the mixed load is that of the other compatibility group.

*Compatibility groups
C, D, E, N or S*

*Detonators in
compatibility group B*

*Explosive articles in
compatibility group G*

*Mixed load with
compatibility group S*

5.8 Means of Containment for Class 1, Explosives

A person must not handle, offer for transport or transport dangerous goods included in Class 1, Explosives, unless they are in a means of containment that is selected and used in accordance with CGSB-43.151.

*Means of containment
for explosives*

5.9 *Repealed*

Class 2, Gases

5.10 Means of Containment for Class 2, Gases

- | | |
|---|--|
| <p>(1) A person must not offer for transport, handle or transport dangerous goods included in Class 2, Gases, in a means of containment unless the means of containment is manufactured, selected and used in accordance with</p> <p>(a) for transport by road vehicle,</p> <p style="padding-left: 20px;">(i) CGSB-43.123, if the gas is included in Class 2.1, Flammable Gases or Class 2.2, Non-flammable and Non-toxic Gases,</p> <p style="padding-left: 20px;">(ii) CSA B340,</p> <p style="padding-left: 20px;">(iii) CSA B342,</p> <p style="padding-left: 20px;">(iv) CSA B622, except clause 4.3 of that standard, and, despite any indication to the contrary in CSA B620, Annex B of CSA B620,</p> <p style="padding-left: 20px;">(v) CSA B625, or</p> <p style="padding-left: 20px;">(vi) TP14877, if the means of containment is a ton container;</p> <p>(b) for transport by railway vehicle,</p> <p style="padding-left: 20px;">(i) CGSB-43.123, if the gas is included in Class 2.1, Flammable Gases or Class 2.2, Non-flammable and Non-toxic Gases,</p> <p style="padding-left: 20px;">(ii) TP14877,</p> <p style="padding-left: 20px;">(iii) CSA B340,</p> <p style="padding-left: 20px;">(iv) CSA B342, or</p> <p style="padding-left: 20px;">(v) CSA B625;</p> <p>(c) for transport by aircraft,</p> <p style="padding-left: 20px;">(i) CGSB-43.123, if the gas is included in Class 2.1, Flammable Gases or Class 2.2, Non-flammable and Non-toxic Gases,</p> <p style="padding-left: 20px;">(ii) CSA B340, or</p> <p style="padding-left: 20px;">(iii) CSA B342; and</p> <p>(d) for transport by vessel,</p> <p style="padding-left: 20px;">(i) CGSB-43.123, if the gas is included in Class 2.1, Flammable Gases or Class 2.2, Non-flammable and Non-toxic Gases,</p> <p style="padding-left: 20px;">(ii) TP14877,</p> <p style="padding-left: 20px;">(iii) CSA B340,</p> <p style="padding-left: 20px;">(iv) CSA B342,</p> <p style="padding-left: 20px;">(v) CSA B622, except clause 4.3 of that standard, and, despite any indication to the contrary in CSA B620, Annex B of CSA B620, or</p> <p style="padding-left: 20px;">(vi) CSA B625.</p> <p>(2) For the purposes of this section, clause 5.1.3(a) of CSA B340 must be read as requiring a cylinder, sphere or tube to be inspected before it is filled by verifying, through its markings or, in the case of a horizontally mounted container, the markings affixed to the vehicle or frame used to transport the container, that the cylinder, sphere or tube</p> <p>(a) was manufactured in accordance with a container specification that is designated by the prefix “CTC”, “ICC”, “TC” or “DOT” and is listed in Table 29 of CSA B339;</p> | <p><i>Means of containment for gases</i></p> <p><i>- road transport</i></p> <p><i>- rail transport</i></p> <p><i>- air transport</i></p> <p><i>- marine transport</i></p> <p><i>Standards for cylinder, sphere or tube</i></p> |
|---|--|

5.10 Means of Containment for Class 2, Gases *continued*

- (b) is an equivalent container as defined in CSA B340 and was manufactured in accordance with a container specification that is designated by the prefix “BTC”, “CRC”, “ICC” or “DOT”;
 - (c) was manufactured in accordance with a container specification that is designated by the prefix “BTC”, “CRC”, “ICC” or “DOT” followed by “3”, “3A480X”, “3B”, “3BN”, “4B240FLW”, “8”, “8AL” or “8WC”;
 - (d) has the letters “CRC”, “BTC”, “CTC” or “TC” displayed on it and was manufactured before January 1, 1993 in accordance with the conditions of a special permit that was issued under the regulations for the transportation of dangerous goods by rail in force before December 5, 1991; or
 - (e) has the letters “ICC” or “DOT” displayed on it and was manufactured before January 1, 1993 in accordance with a packaging or handling exemption that was issued under Subpart B of Part 107 of 49 CFR.
- (3) For the purposes of this section, clause 5.1.4 of CSA B340 must be read as requiring a cylinder, sphere or tube that is referred to in paragraph (2)(a), (b) or (c) and is due for requalification to be requalified – before being filled – in accordance with the requirements of
- (a) CSA B339, if the requalification is performed in Canada;
 - (b) Part 180 of 49 CFR, if the requalification is performed in the United States; or
 - (c) CSA B339 or Part 180 of 49 CFR, if the requalification is performed outside both Canada and the United States.
- (4) For the purposes of this section, clause 5.1.4 of CSA B340 must be read as requiring
- (a) a cylinder, sphere or tube that is referred to in paragraph (2)(d) or (e) and that is due for requalification to be filled and requalified in accordance with the applicable special permit or exemption; and
 - (b) the requalification to be performed by a facility that is registered in accordance with CSA B339 or approved in accordance with Subpart I of Part 107 of 49 CFR.
- (5) For the purposes of this section, clause 5.1.4 of CSA B340 must be read as requiring a cylinder, sphere or tube that is referred to in subsection (2) that is due for requalification and that does not meet the requirements of the prefill inspection to be rejected and not be filled until the cause for rejection has been corrected.
- (6) For the purposes of this section, the following requirements apply in respect of a report of requalification, repair, reheat treatment or rebuilding that is referred to in clause 24.7 of CSA B339:
- (a) the person who prepares the report must give a copy of it to the owner of the means of containment;
 - (b) the person who prepares the report and the owner must each keep a copy of the report for 10 years; and
 - (c) the owner must, during the 10-year period, give a copy of the report to any person to whom ownership of the means of containment is transferred.

*Requalification of
cylinder, sphere or tube*

*Requalification
standards*

*Requalification
requirements*

*Report of requalification,
repair, etc.*

5.13 *Repealed***5.14** **Large Means of Containment**

- (1) A person must not handle, offer for transport or transport dangerous goods included in Class 3, 4, 5, 6.1, 8 or 9 in a large means of containment unless it is manufactured, selected and used in accordance with
- (a)** for transport by road vehicle, *- road transport*
- (i)** the requirements of Part II of CGSB-43.146, if the means of containment is a UN standardized means of containment,
 - (ii)** CSA B621, except clause 8.2(b), and, despite any indication to the contrary in CSA B620, Annex B of CSA B620,
 - (iii)** CSA B625, or
 - (iv)** TP14877, if the means of containment is a ton container;
- (b)** for transport by railway vehicle, *- rail transport*
- (i)** the requirements of Part II of CGSB-43.146, if the means of containment is a UN standardized means of containment,
 - (ii)** TP14877, or
 - (iii)** CSA B625;
- (c)** for transport by aircraft, Part 12, Air, of these Regulations; *- air transport*
- (d)** for transport by vessel, *- marine transport*
- (i)** the requirements of Part II of CGSB-43.146, if the means of containment is a UN standardized means of containment,
 - (ii)** TP14877,
 - (iii)** CSA B621, except clause 8.2(b), and, despite any indication to the contrary in CSA B620, Annex B of CSA B620, or
 - (iv)** CSA B625.
- (1.1)** If there is a conflict between sections 5.14.1 to 5.15.6 and subparagraph (1)(b)(ii), sections 5.14.1 to 5.15.6 prevail to the extent of the conflict.
- (2)** In addition to the requirements of subparagraphs (1)(a)(ii) and (d)(iii), a person who uses a standardized means of containment that is required by CSA B621 to offer for transport dangerous goods included in Class 3, 4, 5, 6.1, 8 or 9 must use a means of containment *CSA B620 and CSA B621*
- (a)** manufactured in accordance with CSA B620 if the means of containment was manufactured in Canada on or after August 31, 2008; and
 - (b)** tested and inspected in accordance with CSA B620 when the most recent periodic re-test or periodic inspection is performed in Canada on or after August 31, 2008.
- (3)** *Repealed*
- (4)** *Repealed*

Tank Cars for Flammable Liquids

5.14.1 Clause 10.5.3 of TP14877

The requirements of clause 10.5.3 of TP14877 do not apply in respect of the importing, offering for transport, handling or transporting of any dangerous goods included in Class 3, Flammable Liquids, Packing Group I, II or III, in a tank car.

Requirements that do not apply to flammable liquids in tank car

5.14.2 Clause 10.1 of TP14877

The exception set out in clause 10.1 of TP14877 does not apply in respect of the importing, offering for transport, handling or transporting of any of the following dangerous goods in a tank car:

Exception does not apply to specific flammable liquids in tank car

- (a) UN1170, ETHANOL more than 24% ethanol, by volume;
- (b) UN1267, PETROLEUM CRUDE OIL;
- (c) UN1268, PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S. that are crude oil;
- (d) UN1987, ALCOHOLS, N.O.S.;
- (e) UN1993, FLAMMABLE LIQUID, N.O.S.;
- (f) UN3475, ETHANOL AND GASOLINE MIXTURE with more than 10% ethanol, ETHANOL AND MOTOR SPIRIT MIXTURE with more than 10% ethanol, or ETHANOL AND PETROL MIXTURE with more than 10% ethanol; and
- (g) UN3494, PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC.

5.14.3 Clause 10.1 of TP14877 – May 1, 2025

Starting on May 1, 2025, the exception set out in clause 10.1 of TP14877 does not apply in respect of the importing, offering for transport, handling or transporting of dangerous goods included in Class 3, Flammable Liquids, Packing Group I, II or III, in a tank car.

Exception for flammable liquids in tank car will no longer apply

5.15 Tank Car Selection

- (1) A person must not import, offer for transport, handle or transport any of the dangerous goods listed in subsection (2) and included in Packing Group I, II or III in a tank car unless the tank car
 - (a) is a Class 105, 112, 115 or 120 tank car that is in compliance with the requirements of TP14877 for the tank car's class and that is equipped with a jacket that
 - (i) is made of ASTM A1011 steel, or steel of an equivalent standard,
 - (ii) has a thickness equal to or greater than 3 mm (11 gauge), and
 - (iii) is weather-resistant;
 - (b) is an enhanced Class 111 tank car with a jacket;
 - (c) is an enhanced Class 111 tank car without a jacket;
 - (d) is a TC 117R tank car;
 - (e) is a TC 117 tank car; or
 - (f) is a TC 117P tank car.
- (2) The dangerous goods are
 - (a) UN1267, PETROLEUM CRUDE OIL;
 - (b) UN1268, PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S. that are crude oil; and
 - (c) UN3494, PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC.

Tank car specifications for crude oil

Class 6.2, Infectious Substances

5.16 Means of Containment for Class 6.2, Infectious Substances

- (1) A person must not offer for transport, handle or transport dangerous goods included in Category A or Category B of Class 6.2, Infectious Substances, unless the dangerous goods are in a means of containment that is manufactured, selected and used in accordance with CGSB-43.125.
- (2) If the means of containment is made available as a kit, the packaging manufacturer and subsequent distributor must provide the packaging information required under section 4.4 of CGSB-43.125 to the packaging purchaser at each initial purchase and to a packaging user upon request.

*Means of containment
for infectious
substances*

TABLE *Repealed*

5.16.1 *Repealed*

5.16.2 *Repealed*

Class 7, Radioactive Materials

5.17 Means of Containment for Class 7, Radioactive Materials

A person must not handle, offer for transport or transport dangerous goods included in Class 7, Radioactive Materials, in a means of containment unless the means of containment is in compliance with the “Packaging and Transport of Nuclear Substances Regulations”.

*Means of containment
for radioactive materials*

Consolidation Bins

5.18 Consolidation Bins

A person must not use a consolidation bin to handle or transport dangerous goods in a road vehicle unless

- (a) the capacity of the consolidation bin is less than or equal to 1.8 m³ (64 cubic feet);
- (b) the consolidation bin is reusable and constructed of plastic, wood or metal; and
- (c) the consolidation bin is blocked or braced within the road vehicle.

*Specifications for
consolidation bin*

PART 6

Training

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>aircraft</i>	<i>means of containment</i>
<i>certification safety mark</i>	<i>offer for transport</i>
<i>49 CFR</i>	<i>person</i>
<i>classification</i>	<i>public safety</i>
<i>dangerous goods</i>	<i>railway vehicle</i>
<i>dangerous goods safety mark</i>	<i>release</i>
<i>emergency</i>	<i>road vehicle</i>
<i>emergency response assistance plan or ERAP or ERP</i>	<i>safety requirements</i>
<i>employer</i>	<i>safety standards</i>
<i>handling</i>	<i>shipping documents</i>
<i>ICAO Technical Instructions</i>	<i>shipping name</i>
<i>IMDG Code</i>	<i>train</i>
<i>inspector</i>	<i>vessel</i>

6.1 Training Certificate Requirements

- (1) A person who handles, offers for transport or transports dangerous goods must
 - (a) be adequately trained and hold a training certificate in accordance with this Part; or
 - (b) perform those activities in the presence and under the direct supervision of a person who is adequately trained and who holds a training certificate in accordance with this Part.
- (2) An employer must not direct or allow an employee to handle, offer for transport or transport dangerous goods unless the employee
 - (a) is adequately trained and holds a training certificate in accordance with this Part; or
 - (b) performs those activities in the presence and under the direct supervision of a person who is adequately trained and who holds a training certificate in accordance with this Part.

Training and certification

Employer's responsibility

6.2 Adequate Training

A person is adequately trained if the person has a sound knowledge of all the topics listed in paragraphs (a) to (m) that relate directly to the person's duties and to the dangerous goods the person is expected to handle, offer for transport or transport:

- (a) the classification criteria and test methods in Part 2, Classification;
- (b) shipping names;
- (c) the use of Schedules 1, 2 and 3;
- (d) the shipping document and train consist requirements in Part 3, Documentation;
- (e) the dangerous goods safety marks requirements in Part 4, Dangerous Goods Safety Marks;
- (f) the certification safety marks requirements, safety requirements and safety standards in Part 5, Means of Containment;
- (g) the emergency response assistance plan requirements in Part 7, Emergency Response Assistance Plan;
- (h) the report requirements in Part 8 (Reporting Requirements);
- (i) safe handling and transportation practices for dangerous goods, including the characteristics of the dangerous goods;
- (j) the proper use of any equipment used to handle or transport the dangerous goods;
- (k) the reasonable emergency measures the person must take to reduce or eliminate any danger to public safety that results or may reasonably be expected to result from an accidental release of the dangerous goods;
- (l) for air transport, the aspects of training set out in Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions for the persons named in that Chapter and the requirements in Part 12, Air, of these Regulations; and
The ICAO Technical Instructions require the approval of training programmes for air carriers. Information may be obtained from the Chief, Dangerous Goods Standards, Civil Aviation, Transport Canada.
- (m) for marine transport, the requirements of the IMDG Code and the requirements of Part 11 (Marine) of these Regulations.

Training related to duties

Topics of training

6.3 Issuance and Contents of a Training Certificate

- | | |
|---|---|
| <p>(1) An employer who has reasonable grounds to believe that an employee is adequately trained and will perform duties to which the training relates must issue a training certificate to the employee that includes the following information:</p> <p>(a) the name and address of the place of business of the employer;
<i>The place of business could be a local office, a regional office or a head office.</i></p> <p>(b) the employee’s name;</p> <p>(c) the date the training certificate expires, preceded by the words “Expires on” or “Date d’expiration”; and</p> <p>(d) the aspects of handling, offering for transport or transporting dangerous goods for which the employee is trained, including the specific topics set out in section 6.2.
<i>Examples of how aspects of training may be shown on a certificate are:
All aspects of handling and transporting chlorine
All aspects of transporting dangerous goods included in Class 1
All aspects of acceptance procedures for transporting by air
All aspects of handling and transporting propane by vessel</i></p> | <p><i>Employer issues certificate</i></p> <p><i>- employer’s name and address</i></p> <p><i>- employee’s name</i></p> <p><i>- expiry date</i></p> <p><i>- details of training</i></p> |
| <p>(2) A self-employed person who has reasonable grounds to believe that he or she is adequately trained and who will perform duties to which the training relates must issue to himself or herself a training certificate that includes the information required by subsection (1).</p> | <p><i>Self-employed person</i></p> |
| <p>(3) The training certificate must be signed</p> <p>(a) by the employee and by the employer or another employee acting on behalf of the employer; or</p> <p>(b) in the case of a self-employed person, by that person.</p> | <p><i>Signed certificate</i></p> |
| <p>(4) Despite subsection (1), if the employer of a person who is a member of a vessel’s complement has reasonable grounds to believe that the person’s certificate of competency issued in accordance with the “Marine Certification Regulations” is acceptable evidence that the person is adequately trained, the employer is not required to issue the training certificate. The certificate of competency is a valid training certificate for the purposes of these Regulations when the certificate of competency is valid in Canada.</p> | <p><i>Marine certificate of competency</i></p> |

6.4 Foreign Carriers

- (1) A document that is issued to a driver of a road vehicle licensed in the United States or to a member of the crew of a train subject to 49 CFR for the transportation of dangerous goods and that indicates that the driver or the crew member is trained in accordance with sections 172.700 to 172.704 of 49 CFR is a valid training certificate for the purposes of these Regulations when that document is valid in the United States. *49 CFR equivalency*
- (2) A document that is issued to a foreign member of the flight crew of an aircraft registered in a country that is a Member State of the International Civil Aviation Organization and that indicates that the crew member is trained to transport dangerous goods by air is a valid training certificate for the purposes of these Regulations, in accordance with Article 33 of the Convention on International Civil Aviation, when that document is valid in the Member State. *Foreign flight crew documents*
- (3) A document that is issued to a foreign member of the crew of a vessel registered in a country that is a Member State of the International Maritime Organization and that indicates that the crew member is trained to transport dangerous goods by vessel is a valid training certificate for the purposes of these Regulations when that document is valid in the Member State. *Foreign vessel's crew documents*

6.5 Expiry of a Training Certificate

A training certificate expires

- (a) for transport by aircraft, 24 months after its date of issuance; and
- (b) for transport by road vehicle, railway vehicle or vessel, 36 months after its date of issuance.

Certificate expires
- air: 24 months
- others: 36 months

A person's training should be up-to-date with these Regulations which, in turn, incorporate by reference other documents such as the ICAO Technical Instructions, the IMDG Code and the "Dangerous Goods Shipping Regulations". Consequently, additional training may have to be undertaken if regulatory changes applicable to the person's duties occur before the training certificate expires.

Additional training

6.6 Keeping Proof of Training: Employer's and Self-employed Person's Responsibility

An employer or a self-employed person must keep a record of training or a statement of experience, as well as a copy of a training certificate, in electronic or paper form, beginning on the date the training certificate is issued and continuing until two years after the date it expires.

Record of training

6.7 Showing Proof of Training: Employer's and Self-employed Person's Responsibility

Within 15 days after the date of a written request by an inspector, the employer of a person who holds a training certificate or a self-employed person must provide a copy of the training certificate to the inspector and, if applicable, a copy of the record of training or the statement of experience and a description of the training material used in the person's training.

Provide proof of training within 15 days

6.8 Showing Proof of Training: Trained Person's Responsibility

A person who handles, offers for transport or transports dangerous goods, or who directly supervises another person engaged in these activities, must give his or her training certificate, or a copy of it, to an inspector immediately on request.

Show certificate to inspector

PART 8

Reporting Requirements

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases):

aircraft

CANUTEC

certification safety mark

class

classification

consignor

dangerous goods

Director General

emergency

emergency response assistance plan or ERAP or ERP

employer

infectious substance

means of containment

person

railway vehicle

release

road vehicle

shipping name

UN number

vessel

8.1 Application and Interpretation

This Part applies in respect of

Situations that must be reported

- (a) the release or anticipated release of dangerous goods that are being offered for transport, handled or transported by road vehicle, railway vehicle or vessel;
- (b) the release or anticipated release of dangerous goods that are being offered for transport, handled or transported by aircraft;
- (c) undeclared and misdeclared dangerous goods that are being offered for transport, handled or transported by aircraft;
- (d) the loss or theft of dangerous goods; and
- (e) unlawful interference with dangerous goods.

Road, Rail and Marine Reports

8.2 Emergency Report – Road, Rail or Marine

Report to local authorities

A person who is required by subsection 18(1) of the Act to report a release or anticipated release of dangerous goods that are being offered for transport, handled or transported by road vehicle, railway vehicle or vessel must, as soon as possible after a release or anticipated release, make an emergency report to any local authority that is responsible for responding to emergencies at the geographic location of the release or anticipated release if the dangerous goods are, or could be, in excess of the quantity set out in the following table:

TABLE

Class	Packing Group or Category	Quantity
1	II	Any quantity
2	Not applicable	Any quantity
3, 4, 5, 6.1 or 8	I or II	Any quantity
3, 4, 5, 6.1 or 8	III	30 L or 30 kg
6.2	A or B	Any quantity
7	Not applicable	A level of ionizing radiation greater than the level established in section 39 of the “Packaging and Transport of Nuclear Substances Regulations, 2015”
9	II or III, or without packing group	30 L or 30 kg

Quantities that must be reported

8.3 Information to be Included in an Emergency Report – Road, Rail or Marine

Content of report to local authorities

An emergency report referred to in section 8.2 must include the following information:

- (a) the name and contact information of the person making the report;
- (b) in the case of a release of dangerous goods, the date, time and geographic location of the release;
- (c) in the case of an anticipated release of dangerous goods, the date, time and geographic location of the incident that led to the anticipated release;
- (d) the mode of transport used;
- (e) the shipping name or UN number of the dangerous goods;
- (f) the quantity of dangerous goods that was in the means of containment before the release or anticipated release;
- (g) in the case of a release of dangerous goods, the quantity of dangerous goods estimated to have been released; and
- (h) if applicable, the type of incident leading to the release or anticipated release, including a collision, roll-over, derailment, overfill, fire, explosion or load-shift.

8.4 Release or Anticipated Release Report – Road, Rail or Marine*Report to other parties*

- (1) Subject to subsection (2), a person who has made an emergency report referred to in section 8.2 must, as soon as possible after making it, make a report to the persons listed in subsection (4).
- (2) Subject to subsection (3), the person is not required to make a report referred to in subsection (1) if the release or anticipated release did not result in
 - (a) the death of a person;
 - (b) a person sustaining injuries that required immediate medical treatment by a health care provider;
 - (c) an evacuation of people or their shelter in place; or
 - (d) the closure of
 - (i) a facility used in the loading and unloading of dangerous goods, or
 - (ii) a road, a main railway line or a main waterway.
- (3) The person is required to make a report referred to in subsection (1) if
 - (a) a means of containment has been damaged to the extent that its integrity is compromised; or
 - (b) the centre sill or stub sill of a tank car is broken or there is a crack in the metal equal to or greater than 15 cm (6 in.).
- (4) For the purposes of subsection (1), the persons to whom a report must be made are
 - (a) CANUTEC, at 1-888-CANUTEC (1-888-226-8832) or 613-996-6666;
 - (b) the consignor of the dangerous goods;
 - (c) in the case of dangerous goods included in Class 7, Radioactive Materials, the Canadian Nuclear Safety Commission; and
 - (d) in the case of a vessel, a Vessel Traffic Services Centre or a Canadian Coast Guard radio station.

8.5 Information to be Included in a Release or Anticipated Release Report – Road, Rail or Marine*Content of report to other parties*

A release or anticipated release report referred to in section 8.4 must include the following information:

- (a) the name and contact information of the person making the report;
- (b) in the case of a release of dangerous goods, the date, time and geographic location of the release;
- (c) in the case of an anticipated release of dangerous goods, the date, time and geographic location of the incident that led to the anticipated release;
- (d) the mode of transport used;
- (e) the shipping name or UN number of the dangerous goods;
- (f) the quantity of dangerous goods that was in the means of containment before the release or anticipated release;
- (g) in the case of a release of dangerous goods, the quantity of dangerous goods estimated to have been released;
- (h) if applicable, the type of incident leading to the release or anticipated release, including a collision, rollover, derailment, overflow, fire, explosion or load-shift;
- (i) if applicable, the name and geographic location of any road, main railway line or main waterway that was closed;
- (j) a description of the means of containment containing the dangerous goods;
- (k) if applicable, an estimate of the number of people evacuated or sheltered in place; and
- (l) if applicable, the number of deaths and the number of persons who sustained injuries that required immediate medical treatment by a health care provider.

8.6 30-Day Follow-up Report

*Report to
Director General*

A person who has made a report referred to in section 8.4, or the person's employer, must make a follow-up report in writing to the Director General within 30 days after the day on which the report was made.

8.7 Information to be Included in a 30-Day Follow-up Report

*Content of report
to Director General*

A follow-up report referred to in section 8.6 must include the following information:

- (a) the name and contact information of the person making the report;
- (b) the names and contact information of the consignor, consignee and carrier;
- (c) in the case of a release of dangerous goods, the date, time and geographic location of the release;
- (d) in the case of an anticipated release of dangerous goods, the date, time and geographic location of the incident that led to the anticipated release;
- (e) the mode of transport used;
- (f) the classification of the dangerous goods;
- (g) the quantity of dangerous goods that was in the means of containment before the release or anticipated release;
- (h) in the case of a release of dangerous goods, the quantity of dangerous goods estimated to have been released;
- (i) a description of the means of containment containing the dangerous goods;
- (j) if applicable, a description of any failure of or damage to the means of containment;
- (k) information about the events leading to the release or anticipated release of dangerous goods;
- (l) information as to whether there was an explosion or fire;
- (m) the name and geographic location of any facility used in the loading or unloading of the dangerous goods that was closed, and the duration of the closure;
- (n) the name and geographic location of any road, main railway line or main waterway that was closed, and the duration of the closure;
- (o) if applicable, an estimate of the number of people evacuated or sheltered in place and the duration of the evacuation or shelter in place;
- (p) if applicable, the number of deaths and the number of persons who sustained injuries that required immediate medical treatment by a health care provider;
- (q) if applicable, the ERAP reference number;
- (r) the date on which the report referred to in section 8.4 was made; and
- (s) an estimate of any financial loss incurred as a result of the release or anticipated release, and any emergency response cost or remediation costs related to it.

8.8 30-Day Follow-up Report – Notice and Retention of Report

*Revision and
retention of report
to Director General*

- (1) A person who has made a follow-up report referred to in section 8.6 must, as soon as possible, notify the Director General of any change to the information referred to in paragraph 8.7(f), (i), (j), (k), (l), (p) or (s) that occurs within one year after the day on which the follow-up report was made.
- (2) The person must keep a copy of the report for two years after the day on which it is made.
- (3) The person must make the report available to an inspector within 15 days after the day on which the person receives a written request from the inspector.

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PART 9

Road

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>aircraft</i>	<i>ICAO Technical Instructions</i>
<i>carrier</i>	<i>IMDG Code</i>
<i>49 CFR</i>	<i>large means of containment</i>
<i>classification</i>	<i>means of containment</i>
<i>consignment</i>	<i>person</i>
<i>consignor</i>	<i>road vehicle</i>
<i>dangerous goods</i>	<i>shipping document</i>
<i>dangerous goods safety mark</i>	<i>shipping name</i>
<i>emergency response assistance plan or ERAP or ERP</i>	<i>UN Recommendations</i>
<i>handling</i>	<i>vessel</i>

According to the definition of “import”, when dangerous goods being imported are being transported to a place in Canada, the person who imports the dangerous goods is the consignor. If the dangerous goods are being transported through Canada, each person who transports them in Canada (that is, each carrier) is the consignor while in possession of the dangerous goods.

9.1 Transporting Dangerous Goods from the United States into or through Canada

Consignments of dangerous goods that originate in the United States are subject to expert inspection by U.S. inspectors. These consignments can be transported in Canada under the requirements of 49 CFR. However, consignments that originate in Canada are not permitted under these Regulations to be transported in Canada under 49 CFR only, because these consignments are not subject to expert inspection by U.S. inspectors.

- | | |
|---|--|
| <p>(1) Despite the requirements in Part 2, Classification, Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, a person may handle or transport dangerous goods by road vehicle from a place in the United States to a place in Canada or from a place in the United States through Canada to a place outside Canada in accordance with the classification, marking, labelling, placarding and documentation requirements of 49 CFR, if</p> | <p>49 CFR equivalency</p> |
| <p>(a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes</p> | <p>Information on shipping document</p> |
| <p>(i) when dangerous goods are transported to a place in Canada, the name and address of the place of business in Canada of the consignor,
<i>The consignor in this case is the consignee in Canada.</i></p> | <p>- consignor</p> |
| <p>(ii) when dangerous goods are transported from a place in the United States through Canada to a place outside Canada, the name and the address of the place of business of each consignor, except that in this case the name and address may be shown on a separate document attached to the shipping document and is required only while that person is the consignor,
<i>The consignor in this case is the carrier.</i></p> | <p>- carrier as consignor</p> |
| <p>(iii) the classification in Schedule 1 or in the UN Recommendations, for dangerous goods that have the letter “D” assigned to them in column 1 of the table to section 172.101 of 49 CFR, except for dangerous goods with the shipping name “Consumer commodity”, and</p> | <p>- dangerous goods assigned letter “D” in 49 CFR</p> |
| <p>(iv) in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document;</p> | <p>- ERAP number</p> |
| <p>(b) the person complies with the following sections in Part 3, Documentation:</p> | <p>Documentation requirements</p> |
| <p>(i) section 3.2, Carrier Responsibilities,</p> | |
| <p>(ii) section 3.7, Location of a Shipping Document: Road, and</p> | |
| <p>(iii) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation; and</p> | |
| <p>(c) on or after August 31, 2008, the labels and placards displayed for dangerous goods included in Class 2.3 or Class 6.1 are the labels and placards required in these Regulations for the dangerous goods. The labels and placards may be displayed before August 31, 2008.</p> | <p>Labels and placards for 2.3 and 6.1</p> |

- (2) Subsection (1) does not apply to dangerous goods that
- (a) are forbidden for transport by these Regulations;
 - (b) are not regulated by 49 CFR but are regulated by these Regulations; or
 - (c) *Repealed*
 - (d) are given dangerous goods safety mark or packaging exceptions in 49 CFR that are not permitted by these Regulations.
- (3) A person who handles or transports dangerous goods by road vehicle in accordance with an exemption issued under Subpart B of Part 107 of 49 CFR may do so from a place in the United States to a place in Canada or from a place in the United States through Canada to a place outside Canada if the exemption number appears on the shipping document.
- (4) If there is a conflict between the requirements of Part 2 (Classification), Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) or Part 5 (Means of Containment) and an exemption referred to in subsection (3), the exemption prevails to the extent of the conflict.

Dangerous goods that are forbidden or that are transported under 49 CFR conditions

49 CFR exemption valid in Canada

Resolution of conflict between 49 CFR exemption and Canadian regulations

9.2 Transporting Dangerous Goods to or from an Aircraft, an Aerodrome or an Air Cargo Facility

- (1) Despite the requirements in Part 2, Classification, Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, if transport has been or is to be by aircraft, a person may handle or transport dangerous goods by road vehicle to or from an aircraft, an aerodrome or an air cargo facility in accordance with the classification, marking, labelling, and documentation requirements of the ICAO Technical Instructions, if
- (a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes, in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document; and
 - (b) the person complies with the following provisions in Part 3, Documentation:
 - (i) section 3.2, Carrier Responsibilities,
 - (ii) paragraph 3.5 (1)(f) and subsection 3.5 (2), concerning a 24-hour number on a shipping document,
 - (iii) section 3.7, Location of a Shipping Document: Road, and
 - (iv) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation.
- (2) Subsection (1) does not apply if these Regulations forbid the transport of the dangerous goods or if the dangerous goods are not regulated by the ICAO Technical Instructions but are regulated by these Regulations.
- (3) When dangerous goods are transported to or from an aircraft, an aerodrome or an air cargo facility, by a road vehicle, the road vehicle, or any means of containment visible from outside the road vehicle, must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks.

Consignment by road and air

9.3 Transporting Dangerous Goods to or from a Vessel, a Port Facility or a Marine Terminal

- (1) Despite the requirements in Part 2, Classification, Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, if transport has been or is to be by vessel, a person may handle or transport by road vehicle an international consignment of dangerous goods to or from a vessel, a port facility or a marine terminal in accordance with the classification, marking, labelling, placarding and documentation requirements of the IMDG Code if
- (a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes, in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document; and
 - (b) the person complies with the following provisions in Part 3, Documentation:
 - (i) section 3.2, Carrier Responsibilities,
 - (ii) paragraph 3.5 (1)(f) and subsection 3.5 (2), concerning a 24-hour number on a shipping document,
 - (iii) section 3.7, Location of a Shipping Document: Road, and
 - (iv) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation.
- (2) Subsection (1) does not apply if these Regulations forbid the transport of the dangerous goods or if the dangerous goods are not regulated by the IMDG Code but are regulated by these Regulations.
- (3) When dangerous goods are transported in a large means of containment to or from a vessel, a port facility or a marine terminal, the large means of containment must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks, or the IMDG Code.

Consignment by road and vessel

9.4 Reshipping in Canada

- (1) When a consignment of dangerous goods is transported from a place outside Canada to a place in Canada and is reshipped within Canada by road vehicle, the dangerous goods safety marks displayed in accordance with 49 CFR, the ICAO Technical Instructions or the IMDG Code at the time of entry into Canada may continue to be displayed, except that the large means of containment containing the dangerous goods must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks.

If the dangerous goods are not regulated in Canada, the placards are not required to be displayed on the large means of containment.

- (2) The shipping document that accompanies the dangerous goods must include a notation that the dangerous goods safety marks are in accordance with 49 CFR, the ICAO Technical Instructions or the IMDG Code, if they differ from the ones required to be displayed by Part 4, Dangerous Goods Safety Marks.

Reshipping within Canada - safety marks

- shipping document

9.5 Maximum Net Explosives Quantity in a Road Vehicle

The total net explosives quantity of all explosives that are transported together in a road vehicle must be less than or equal to the following limits:

- (a) 25 kg if any of the explosives are UN0190, SAMPLES, EXPLOSIVE;
- (b) 2,000 kg if any of the explosives are included in Class 1.1A; and
- (c) 20,000 kg.

Limit for explosives in a vehicle

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PART 10

Rail

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

<i>aircraft</i>	<i>ICAO Technical Instructions</i>
<i>carrier</i>	<i>IMDG Code</i>
<i>49 CFR</i>	<i>large means of containment</i>
<i>class</i>	<i>means of containment</i>
<i>classification</i>	<i>person</i>
<i>consignment</i>	<i>railway vehicle</i>
<i>consignor</i>	<i>shipping document</i>
<i>dangerous goods</i>	<i>shipping name</i>
<i>dangerous goods safety mark</i>	<i>train</i>
<i>emergency response assistance plan or ERAP or ERP</i>	<i>UN Recommendation</i>
<i>handling</i>	<i>vessel</i>

According to the definition of “import”, when dangerous goods being imported are being transported to a place in Canada, the person who imports the dangerous goods is the consignor. If the dangerous goods are being transported through Canada, each person who transports them in Canada (that is, each carrier) is the consignor while in possession of the dangerous goods.

10.1 Transporting Dangerous Goods from the United States into or through Canada

Consignments of dangerous goods that originate in the United States are subject to expert inspection by U.S. inspectors. These consignments can be transported in Canada under the requirements of 49 CFR. However, consignments that originate in Canada are not permitted under these Regulations to be transported in Canada under 49 CFR only, because these consignments are not subject to expert inspection by U.S. inspectors.

- | | |
|--|---|
| <p>(1) Despite the requirements in Part 2, Classification, Part 3, Documentation and Part 4, Dangerous Goods Safety Marks, a person may handle or transport dangerous goods by railway vehicle from a place in the United States to a place in Canada or from a place in the United States through Canada to a place outside Canada in accordance with the classification, marking, labelling, placarding and documentation requirements of 49 CFR if</p> | <p><i>49 CFR equivalency</i></p> |
| <p>(a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes</p> | <p><i>Information on shipping document</i></p> |
| <p>(i) when dangerous goods are transported to a place in Canada, the name and address of the place of business in Canada of the consignor, <i>The consignor in this case is the consignee in Canada.</i></p> | <p><i>- consignor</i></p> |
| <p>(ii) when dangerous goods are transported from a place in the United States through Canada to a place outside Canada, the name and the address of the place of business of each consignor, except that in this case the name and address may be shown on a separate document attached to the shipping document and is required only while that person is the consignor, <i>The consignor in this case is the carrier.</i></p> | <p><i>- carrier as consignor</i></p> |
| <p>(iii) the classification in Schedule 1 or in the UN Recommendations, for dangerous goods that have the letter “D” assigned to them in column 1 of the table to section 172.101 of 49 CFR, except for dangerous goods with the shipping name “Consumer commodity”, and</p> | <p><i>- dangerous goods assigned letter “D” in 49 CFR</i></p> |
| <p>(iv) in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document;</p> | <p><i>- ERAP number</i></p> |
| <p>(b) the person complies with the following sections in Part 3, Documentation:</p> | <p><i>Documentation requirements</i></p> |
| <p>(i) section 3.2, Carrier Responsibilities,</p> | |
| <p>(ii) section 3.8, Location of a Shipping Document and Consist: Rail, and</p> | |
| <p>(iii) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation; and</p> | |
| <p>(c) on or after August 31, 2008, the labels and placards displayed for dangerous goods included in Class 2.3 or 6.1 are the labels and placards required in these Regulations for the dangerous goods. The labels or placards may be displayed before August 31, 2008.</p> | <p><i>Labels and placards for 2.3 and 6.1</i></p> |

- (2) Subsection (1) does not apply to dangerous goods that
- (a) are forbidden for transport by these Regulations;
 - (b) are not regulated by 49 CFR but are regulated by these Regulations; or
 - (c) *Repealed*
 - (d) are given dangerous goods safety mark or packaging exceptions in 49 CFR that are not permitted by these Regulations.
- (3) A person who handles or transports dangerous goods by railway vehicle in accordance with an exemption issued under Subpart B of Part 107 of 49 CFR may do so from a place in the United States to a place in Canada or from a place in the United States through Canada to a place outside Canada if the exemption number appears on the shipping document.
- (4) If there is a conflict between the requirements of Part 2 (Classification), Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) or Part 5 (Means of Containment) and an exemption referred to in subsection (3), the exemption prevails to the extent of the conflict.

Dangerous goods that are forbidden or that are transported under 49 CFR conditions

49 CFR exemption valid in Canada

Resolution of conflict between 49 CFR exemption and Canadian regulations

10.2 Transporting Dangerous Goods to or from an Aircraft, an Aerodrome or an Air Cargo Facility

- (1) Despite the requirements in Part 2, Classification, Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, if transport has been or is to be by aircraft, a person may handle or transport dangerous goods by railway vehicle to or from an aircraft, an aerodrome or an air cargo facility in accordance with the classification, marking, labelling and documentation requirements of the ICAO Technical Instructions, if
- (a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes, in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document; and
 - (b) the person complies with the following provisions in Part 3, Documentation:
 - (i) section 3.2, Carrier Responsibilities,
 - (ii) paragraph 3.5 (1)(f) and subsection 3.5 (2), concerning a 24-hour number on a shipping document,
 - (iii) section 3.8, Location of a Shipping Document and Consist: Rail, and
 - (iv) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation.
- (2) Subsection (1) does not apply if these Regulations forbid the transport of the dangerous goods or if the dangerous goods are not regulated by the ICAO Technical Instructions but are regulated by these Regulations.
- (3) When dangerous goods are transported to or from an aircraft, an aerodrome or an air cargo facility, by railway vehicle, the railway vehicle, or any means of containment visible from outside the railway vehicle must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks.

Consignment by rail and air

10.3 Transporting Dangerous Goods to or from a Vessel, a Port Facility or a Marine Terminal

- (1) Despite the requirements in Part 2, Classification, Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, if transport has been or is to be by vessel, a person may handle an international consignment of dangerous goods or transport it by railway vehicle to or from a vessel, a port facility or a marine terminal in accordance with the classification, marking, labelling, placarding and documentation requirements of the IMDG Code if
- (a) the information required on the shipping document is easy to identify, legible, in indelible print, in English or French and includes, in accordance with section 3.6 of Part 3, Documentation, the emergency response assistance plan reference number and the telephone number to call to activate the plan when an emergency response assistance plan is required under Part 7, Emergency Response Assistance Plan, for the dangerous goods shown on the shipping document; and
 - (b) the person complies with the following provisions in Part 3, Documentation:
 - (i) section 3.2, Carrier Responsibilities,
 - (ii) paragraph 3.5 (1)(f) and subsection 3.5 (2), concerning a 24-hour number on a shipping document,
 - (iii) section 3.8, Location of a Shipping Document and Consist: Rail, and
 - (iv) section 3.10, Location of a Shipping Document: Storage in the Course of Transportation.
- (2) Subsection (1) does not apply if these Regulations forbid the transport of the dangerous goods or if the dangerous goods are not regulated by the IMDG Code but are regulated by these Regulations.
- (3) When dangerous goods are transported in a large means of containment to or from a vessel, a port facility or a marine terminal, the large means of containment must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks, or the IMDG Code.

*Consignment
by rail and vessel*

10.4 Reshipping in Canada

- (1) When a consignment of dangerous goods is transported from a place outside Canada to a place in Canada and is reshipped within Canada by railway vehicle, the dangerous goods safety marks displayed in accordance with 49 CFR, the ICAO Technical Instructions or the IMDG Code at the time of entry into Canada may continue to be displayed, except that the large means of containment containing the dangerous goods must have placards displayed on it in accordance with Part 4, Dangerous Goods Safety Marks.

If the dangerous goods are not regulated in Canada, the placards are not required to be displayed on the large means of containment.

- (2) The shipping document that accompanies the dangerous goods must include a notation that the dangerous goods safety marks are in accordance with 49 CFR, the ICAO Technical Instructions or the IMDG Code, if they differ from the ones required to be displayed by Part 4, Dangerous Goods Safety Marks.

*Reshipping
within Canada
- safety marks*

- shipping document

10.5 *Repealed*

PART 11

Marine

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PART 11

Marine

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

carrier

class

consignor

dangerous goods

dangerous goods safety mark

handling

IMDG Code

inland voyage

in transport

means of containment

offer for transport

person

public safety

release

shipping document

vessel

11.1 Marine Transport – IMDG Code

- (1) A person who imports, offers for transport, handles or transports dangerous goods by vessel must comply with the IMDG Code if the dangerous goods are in transport between
- (a)** two points in Canada on a voyage during which
- (i)** the vessel goes more than 120 nautical miles from shore,
 - (ii)** on the Atlantic coast, the vessel goes south of the port of New York, or
 - (iii)** on the Pacific coast, the vessel goes south of Portland, Oregon;
- (b)** Canada and another country, if the voyage is not an inland voyage; or
- (c)** two points outside Canada on board a vessel registered in Canada.
- (2) In addition to the requirements in subsection (1), a person who handles, offers for transport or transports dangerous goods by vessel must do so in accordance with the following provisions of these Regulations:
- (a)** the following provisions in Part 3, Documentation:
- (i)** section 3.2, Carrier Responsibilities,
 - (ii)** subsection 3.4(1), Legibility and Language,
 - (iii)** paragraph 3.5(1)(f) and subsection 3.5(2), concerning a 24-hour number on a shipping document,
 - (iv)** section 3.9, Location of a Shipping Document: Marine, and
 - (v)** section 3.10, Location of a Shipping Document: Storage in the Course of Transportation;
- (b)** the following provisions in Part 4, Dangerous Goods Safety Marks:
- (i)** section 4.2, Misleading Dangerous Goods Safety Marks,
 - (ii)** section 4.4, Consignor Responsibilities,
 - (iii)** subsection 4.5(1), Carrier Responsibilities, and
 - (iv)** section 4.6, Visibility, Legibility and Colour;
- (c)** the following provisions in Part 5, Means of Containment:
- (i)** section 5.2, Requirements for a Standardized Means of Containment to Be in Standard,
 - (ii)** section 5.3, Certification Safety Marks on a Means of Containment,
 - (iii)** section 5.6, UN Standardized Means of Containment, and
 - (iv)** section 5.10, Means of Containment for Class 2, Gases, and section 5.11, UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES; and
- (d)** Part 8 (Reporting Requirements)
- (3) The means of containment used to transport the dangerous goods must be designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

*IMDG Code**Documentation requirements**Safety Marks**Container standards**Reporting**Means of containment*

11.2 Marine Transport – Transportation of Dangerous Goods Regulations

A person who imports, offers for transport, handles or transports dangerous goods by vessel must comply with these Regulations if the dangerous goods are in transport between

Domestic voyage

- (a) two points in Canada on a voyage during which the vessel is always within 120 nautical miles from shore and
 - (i) on the Atlantic coast, the vessel does not go south of the port of New York, and
 - (ii) on the Pacific coast, the vessel does not go south of Portland, Oregon; or
- (b) Canada and another country, if the voyage is an inland voyage.

11.3 Transporting Dangerous Goods from One Country through Canada to Another Country

A person who transports dangerous goods by vessel from one country through Canada to another country must comply with the IMDG Code and Part 8 (Reporting Requirements) of these Regulations.

Transporting dangerous goods through Canada

11.4 *Repealed*

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- | | |
|---|--|
| <ul style="list-style-type: none"> (e) in Part 5, Means of Containment, <ul style="list-style-type: none"> (i) section 5.2, Requirements for a Standardized Means of Containment to Be in Standard, (ii) section 5.3, Certification Safety Marks on a Means of Containment, (iii) section 5.6, UN Standardized Means of Containment, and (iv) section 5.10, Means of Containment for Class 2, Gases; (f) Part 6, Training; (g) Part 7, Emergency Response Assistance Plan; (h) Part 8 (Reporting Requirements); (i) Part 13, Protective Direction; and (j) Part 14, Permit for Equivalent Level of Safety. | <p><i>Means of containment</i></p> <p><i>Training</i></p> <p><i>ERAP</i></p> <p><i>Reporting</i></p> <p><i>Protective direction</i></p> <p><i>Permit</i></p> |
| <ul style="list-style-type: none"> (2) A person who handles, offers for transport or transports dangerous goods by aircraft within Canada must do so in accordance with the ICAO Technical Instructions and the provisions of these Regulations referred to in subsection (1). | <p><i>ICAO and TDG Regulations</i></p> |
| <ul style="list-style-type: none"> (3) Despite subsection (2), a person may handle, offer for transport or transport dangerous goods by aircraft within Canada in accordance with the requirements of sections 12.4 to 12.17. | <p><i>Domestic air transport</i></p> |

12.2 Shipping Document

The shipping document for dangerous goods transported by aircraft must

- (a) be completed in accordance with Chapter 4, Documentation, of Part 5, Shipper's Responsibilities, of the ICAO Technical Instructions; and
- (b) show the information required for the dangerous goods by the ICAO Technical Instructions on a document that has, on the left and right margins, red hatchings that are oriented to the right or to the left.

Shipping document
- *ICAO requirements*

- *format*

12.3 Information to Pilot-in-command

Despite subsection 12.1(1), the following text replaces subsection 4.1.6 in section 4.1, Information to the pilot-in-command, of Chapter 4, Provision of information, of Part 7, Operator's Responsibilities, of the ICAO Technical Instructions:

"4.1.6 The information provided to the pilot-in-command must be presented on a dedicated form and not by means of air waybills, dangerous goods transport documents, invoices, etc."

Information to pilot-in-command

Domestic Transport by Aircraft

12.4 Explosives, Class 1.4S

- (1) A person may handle, offer for transport or transport by aircraft within Canada explosives included in Class 1.4S if
- (a) the person complies with the ICAO Technical Instructions, other than Part 4, Packing Instructions, and sections 1.1 to 1.3 of Chapter 1, General, sections 2.1 to 2.4.1 and 2.4.3 to 2.5 of Chapter 2, Marking, Chapter 3, Labelling, and Chapter 4, Documentation, of Part 5, Shipper's Responsibilities; *- ICAO Technical Instructions*
 - (b) when the consignor is not the air carrier, the consignor notifies the air carrier of the presence of the explosives before offering them for transport; *- notification to air carrier*
 - (c) the explosives are one or more of the explosives set out in the following table: *- permitted explosives*

TABLE

UN Number	Shipping Name
UN0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE, or CARTRIDGES, SMALL ARMS
UN0014	CARTRIDGES FOR WEAPONS, BLANK, or CARTRIDGES, SMALL ARMS, BLANK, or CARTRIDGES FOR TOOLS, BLANK
UN0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER
UN0323	CARTRIDGES, POWER DEVICE
UN0405	CARTRIDGES, SIGNAL

- (d) the calibre of cartridges with the UN number UN0012 or UN0014 is *- permitted calibres*
 - (i) less than 50 calibres, in the case of cartridges for rifles or pistols, or
 - (ii) greater than or equal to 8 gauge, in the case of cartridges for shotguns;
 - (e) the gross mass of each means of containment is less than or equal to 25 kg; *- up to 25 kg*
 - (f) the explosives are placed in an inner means of containment that is a box, in metal or plastic clips or in partitions that fit snugly in an outer means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; *- secure packing*
 - (g) the primers are protected from accidental initiation; and *- primers*
 - (h) each of the outer means of containment is marked with the gross mass in kilograms and the words “Explosives – Excepted” or “Explosifs – Exceptés”, in letters at least 25 mm high and in a colour that contrasts with the background colour of the means of containment. *- “Explosives Excepted”*
- (2) Despite the restrictions that apply to item 14 of Table 8-1 to Chapter 1, Provisions for dangerous goods carried by passengers or crew, of Part 8, Provisions Concerning Passengers and Crew, of the ICAO Technical Instructions, ammunition, or ammunition loaded in a firearm, with the UN number and shipping name UN0012, CARTRIDGES FOR WEAPONS, INERT PROJECTILE or UN0012, CARTRIDGES, SMALL ARMS or UN0014, CARTRIDGES FOR WEAPONS, BLANK or UN0014, CARTRIDGES, SMALL ARMS, BLANK or UN0014, CARTRIDGES FOR TOOLS, BLANK, may be transported on board an aircraft by a peace officer as defined in section 3 of the “Canadian Aviation Security Regulations, 2012” or by an in-flight security officer. *Ammunition carried by peace officer or security officer*

12.5 Forbidden Explosives

- (1) A person may handle, offer for transport or transport by aircraft within Canada explosives that are forbidden for transport in any of columns 10 to 13 of Table 3-1, Dangerous Goods List, in Chapter 2, Arrangement of the dangerous goods list (Table 3-1), of Part 3, Dangerous Goods List, Special Provisions and Limited and Excepted Quantities, of the ICAO Technical Instructions if
- Transportation of forbidden explosives*
- (a) the person complies with *- conditions*
- (i) paragraphs 12.1(1)(a) to (j),
 - (ii) the quantity limits and the packing instructions set out in columns 10 to 13 of Table S-3-1, Supplementary Dangerous Goods List, in Chapter 2, Supplementary Dangerous Goods List (Class 1), of Part S-3, Dangerous Goods List, Special Provisions and Quantity Limitations, of the Supplement to the ICAO Technical Instructions, and;
 - (iii) the requirements of the ICAO Technical Instructions;
- (b) the explosives are *- certain explosives*
- (i) UN0030, DETONATORS, ELECTRIC for blasting,
 - (ii) UN0042, BOOSTERS without detonator,
 - (iii) UN0059, CHARGES, SHAPED without detonator,
 - (iv) UN0065, CORD, DETONATING, flexible,
 - (v) UN0081, EXPLOSIVE, BLASTING, TYPE A,
 - (vi) UN0082, EXPLOSIVE, BLASTING, TYPE B,
 - (vii) UN0083, EXPLOSIVE, BLASTING, TYPE C,
 - (viii) UN0084, EXPLOSIVE, BLASTING, TYPE D,
 - (ix) UN0241, EXPLOSIVE, BLASTING, TYPE E,
 - (x) UN0331, EXPLOSIVE, BLASTING, TYPE B; or AGENT, BLASTING, TYPE B,
 - (xi) UN0332, EXPLOSIVE, BLASTING, TYPE E; or AGENT, BLASTING, TYPE E, or
 - (xii) UN0360, DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting;
- (c) the explosives *- restrictions*
- (i) are not included in compatibility group A,
 - (ii) have not deteriorated or been damaged,
 - (iii) do not have an active means of initiation and are not primed for use, and
 - (iv) are in a means of containment that is required for them by the packing instructions set out in Chapter 3, Class 1 – Explosives, of Part S-4, Packing Instructions, of the Supplement to the ICAO Technical Instructions; and
- (d) there are no other dangerous goods transported on board the aircraft at the same time as the explosives. *- no other dangerous goods*

12.5 Forbidden Explosives *continued*

- (2) The consignor of the explosives must
- (a) notify the air carrier, in writing, of the shipping name, UN number, primary class and compatibility group of the explosives at least 48 hours before the explosives are loaded on the aircraft;
 - (b) keep a copy of the notification to the air carrier for two years after the date the notification is sent to the air carrier; and
 - (c) notify the consignee at least 24 hours before the explosives are transported of the expected time of transport unless the consignor and the air carrier agree that the air carrier will notify the consignee of the expected time of transport when the air carrier gives the consignor written agreement to transport the explosives.
- (3) The air carrier must, at least 24 hours before transporting the explosives,
- (a) give the consignor written agreement to transport the explosives and keep a copy of this agreement for two years after the date the notification referred to in paragraph (2)(a) is sent to the consignor; and
 - (b) notify each aerodrome operator listed on the flight plan of the intended time of departure, arrival and technical stops, if any.
- (4) The notification referred to in paragraph (2)(a) and the agreement referred to in paragraph (3)(a) are valid for any subsequent transport of the explosives for two years beginning on the date that the notification and the agreement were made unless any of the information required in them changes.

Consignor:
- notification
to air carrier

- notification
to consignee

Carrier:
- written agreement

- flight notification

12.6 Repealed**12.7 Repealed****12.8 Packing Instruction Y963**

- (1) A person may handle, offer for transport or transport by aircraft within Canada dangerous goods that are aerosols included in Class 2.1 or 2.2, are UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., or are included in Class 3 and Packing Group II or III or in Class 6.1 and Packing Group III, if
- (a) the person complies with
 - (i) paragraphs 12.1(1)(a) to (j), and
 - (ii) the ICAO Technical Instructions, other than Chapter 2, Marking, Chapter 3, Labelling, and Chapter 4, Documentation, of Part 5, Shipper's Responsibilities, and paragraphs (j) and (l) of Packing Instruction Y963 of Chapter 11, Class 9 – Miscellaneous dangerous goods, of Part 4, Packing Instructions;
 - (b) when the dangerous goods are liquid,
 - (i) the quantity for Class 3, Packing Group II, is less than or equal to
 - (A) 1 L in a metal inner means of containment, except for UN1263, PAINT or PAINT RELATED MATERIAL, in which case the quantity may be less than or equal to 5 L, or
 - (B) 500 mL in a glass, earthenware or plastic inner means of containment, and

**Transportation
of aerosols**

- conditions

- liquids

- (ii) the quantity for Class 3, Packing Group III, and for Class 6.1, Packing Group III, is less than or equal to
 - (A) 5 L in a metal inner means of containment, or
 - (B) 500 mL in a glass, earthenware or plastic inner means of containment; and
- (c) when the dangerous goods are solid, the quantity is less than or equal to 5 kg in an inner means of containment. - solids
- (2) The person who offers for transport the dangerous goods must, on each small means of containment that contains the dangerous goods, *Marks and labels required*
 - (a) mark the words “Air Transport, 12.8, Consumer commodity” or “Transport aérien, 12.8, produit de consommation” in letters at least 25 mm high and in a colour that contrasts with the background colour of the means of containment; and - consumer commodity
 - (b) for liquids, except flammable liquids in a quantity less than or equal to 120 mL, display on two opposite sides of the means of containment a package orientation label illustrated in Figure 5-29 of Chapter 3, Labelling, of Part 5, Shipper’s Responsibilities, of the ICAO Technical Instructions. - package orientation label
- (3) Despite subsection (2), the dangerous goods safety marks that are required by that subsection to be marked or displayed on a small means of containment are not required to be marked or displayed on a small means of containment that is inside another small means of containment if the other small means of containment is not opened during loading or unloading or while the dangerous goods are in transport. *Small container inside another small container*

12.9 Limited Access

General

- (1) An air carrier may handle, offer for transport or transport by aircraft within Canada the dangerous goods referred to in subsections (2) to (12) if *Requirements for air carrier*
 - (a) the air carrier complies with subsections (2) to (14); - these regulations
 - (b) the air carrier complies with the following requirements in the ICAO Technical Instructions: - ICAO Technical Instructions
 - (i) wherever practicable, section 5.1, Information to passengers, of Chapter 5, Provisions concerning passengers and crew, of Part 7, Operator’s Responsibilities,
 - (ii) section 2.4, Loading and securing of dangerous goods, and section 2.5, Damaged packages of dangerous goods, of Chapter 2, Storage and loading, of Part 7, Operator’s Responsibilities,
 - (iii) section 3.1, Inspection for damage or leakage, of Chapter 3, Inspection and decontamination, of Part 7, Operator’s Responsibilities,
 - (iv) when the person loading or supervising the loading of the dangerous goods on board the aircraft is not a crew member,
 - (A) section 4.1, Information to the pilot-in-command, except for packing group, number of packages and identification of the aerodrome, of Chapter 4, Provision of information, of Part 7, Operator’s Responsibilities, and
 - (B) in the case of dangerous goods transported by helicopter, the information required in clause (A) is provided to a person identified in the air carrier’s Operations Manual rather than the pilot-in-command,

12.9 Limited Access *continued*

- (v) section 4.2, Information to be provided to employees, of Chapter 4, Provision of Information, of Part 7, Operator’s Responsibilities,
 - (vi) wherever practicable, section 4.8, Cargo acceptance areas – provision of information, of Chapter 4, Provision of information, of Part 7, Operator’s Responsibilities, and
 - (vii) Table 7-1, “Segregation between packages”, of Chapter 2, Storage and loading, of Part 7, Operator’s Responsibilities;
- (c) the dangerous goods are
- (i) transported by cargo aircraft or passenger carrying aircraft referred to in Subpart 4 of Part VI and Subparts 1 to 4 of Part VII of the “Canadian Aviation Regulations”, - type of aircraft
 - (ii) transported to or from a location where access is limited and there is no other practical or readily available means of transport to transport the dangerous goods, and - limited access, with no other means of transport
 - (iii) contained in a means of containment that has displayed on it the package markings and labels required by Chapter 2, Marking, except for section 2.4.2, and required by Chapter 3, Labelling, except for section 3.2.12, of Part 5, Shipper’s Responsibilities, of the ICAO Technical Instructions; - markings and labels
- (d) when the dangerous goods are Class 2.1, Flammable Gases, or Class 3, Flammable Liquids, smoking is prohibited on board the aircraft and the aircraft and each area or compartment of the aircraft containing the dangerous goods is ventilated to prevent the accumulation of vapours; - smoking and ventilation
- (e) when the dangerous goods are transported on a passenger carrying aircraft, where practicable, they are secured in an area of the aircraft so that they are not readily accessible to the passengers; - not accessible to passengers
- (f) the person who handles, offers for transport or transports the dangerous goods is trained in accordance with Part 6, Training, of these Regulations and Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions; and - training required
- (g) the person who has possession of the dangerous goods complies with Part 8 (Reporting Requirements). - report spills or leaks

Class 3, Flammable Liquids

- (2) The requirements in subsections (3) to (6) apply to dangerous goods that are included in Class 3, Flammable Liquids, and that are Specific flammable liquids
- (a) UN1202, GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT;
 - (b) UN1203, GASOLINE or MOTOR SPIRIT or PETROL;
 - (c) UN1219, ISOPROPANOL or ISOPROPYL ALCOHOL;
 - (d) UN1223, KEROSENE;
 - (e) UN1268, PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S., Packing Groups II and III only; or
 - (f) UN1863, FUEL, AVIATION, TURBINE ENGINE, Packing Groups II and III only.

- (3) When the Class 3, Flammable Liquids, referred to in subsection (2) are
- (a) contained in a small means of containment that is a drum, the drum must be securely closed and marked with one of the following manufacturer's permanent markings when the drum has a capacity greater than 25 L and less than or equal to 230 L: TC, CTC, DOT, ICC 5A, 5B, 5C, 17C, 17E, TC-34, CTC-34, DOT-34, UN 1A1, UN 1B1, UN 1H1 or UN 6HA; or *- drum specifications*
 - (b) contained in a small means of containment that is not a drum, the small means of containment must be securely closed and *- specifications for other containers*
 - (i) marked with one of the following manufacturer's permanent markings when the small means of containment has a capacity less than or equal to 25 L: UN 3A1, UN 3H1, UL or ULC,
 - (ii) marked in accordance with ASTM F 852, or
 - (iii) an unmarked steel marine fuel tank of a type that is used to supply fuel for an outboard motor.
- (4) The following means of containment may be reused to transport the Class 3, Flammable Liquids, referred to in subsection (2): *Reuse of containers*
- (a) a steel drum or jerrican, if
 - (i) neither the body nor the top or bottom of the drum or jerrican is damaged by wear, scoring, dents or corrosion to the extent that the integrity of the drum or the jerrican is compromised,
 - (ii) any worn or leaking bung caps or seals are replaced,
 - (iii) the top and bottom of the drum are not bulging, and
 - (iv) sufficient ullage is left to ensure that no leakage or permanent distortion will occur as a result of expansion of the liquid caused by any temperature that may be experienced during transport;
 - (b) a plastic drum or jerrican, if
 - (i) the body of the drum or jerrican is not faded, discoloured, gouged, cracked or distorted to the extent that the integrity of the drum or jerrican is compromised,
 - (ii) the closure flange and bung of the drum show no evidence of cross-threading or thread wear,
 - (iii) any worn gaskets are replaced, and
 - (iv) when the capacity of the jerrican exceeds 25 L, it is used only for flammable liquids that are included in Packing Group III and that have a flash point greater than 37.8°C; and
 - (c) a steel marine fuel tank, if
 - (i) neither the body nor the bottom chimes of the tank is damaged by wear, scoring, dents or corrosion to the extent that the integrity of the tank is compromised,
 - (ii) any worn or leaking caps, attachments or seals are replaced, and
 - (iii) sufficient ullage is left to ensure that no leakage or permanent distortion will occur as a result of expansion of the liquid caused by any temperature that may be experienced during transport.

12.9 Limited Access *continued*

- (5) When the Class 3, Flammable Liquids, referred to in subsection (2) are contained in a large means of containment, that large means of containment must be
- Large means of containment**
- (a) a tank, a container or an apparatus that is an integral part of the aircraft or that is attached to the aircraft in accordance with the Certificate of Airworthiness issued under the “Canadian Aviation Regulations”;
 - (b) a cylindrical collapsible rubber drum that is transported in or suspended from an aircraft and that is constructed, tested, inspected and used in accordance with MIL-D-23119G; or
 - (c) a collapsible fabric tank that is transported suspended from a helicopter and that is constructed of material and seamed in accordance with MIL-T-52983G.
- (6) When the Class 3, Flammable Liquids, referred to in subsection (2) are transported
- Quantity limits**
- (a) on board a passenger carrying aircraft, the total capacity of all the means of containment must be less than or equal to 230 L; and
 - (b) on board a cargo aircraft, the total capacity of each of the means of containment must be less than or equal to 230 L except for those means of containment referred to in subsection (5).

Internal Combustion Engines, Vehicles and Machinery

- (7) Dangerous goods that are UN3166, VEHICLE, FLAMMABLE GAS POWERED or UN3166, VEHICLE, FLAMMABLE LIQUID POWERED or UN3166, VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or UN3166, VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED or UN3528, ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or UN3528, ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or UN3528, MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED or UN3528, MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or UN3529, ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or UN3529, ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or UN3529, MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED or UN3529, MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or UN3530, ENGINE, INTERNAL COMBUSTION or UN3530, MACHINERY, INTERNAL COMBUSTION must be handled, offered for transport or transported in accordance with the following requirements of the ICAO Technical Instructions:
- Internal combustion engines, vehicles and machinery**
- (a) Special Provision A87 of Chapter 3, Special provisions, of Part 3, Dangerous Goods List, Special Provisions and Limited and Excepted Quantities;
 - (b) Packing Instruction 950 of Chapter 11, Class 9 — Miscellaneous dangerous goods, of Part 4, Packing Instructions, in the case of
 - (i) UN3166, VEHICLE, FLAMMABLE LIQUID POWERED, or
 - (ii) UN3166, VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED;
 - (c) Packing Instruction 951 of Chapter 11, Class 9 — Miscellaneous dangerous goods, of Part 4, Packing Instructions, in the case of
 - (i) UN3166, VEHICLE, FLAMMABLE GAS POWERED, or
 - (ii) UN3166, VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED;
 - (d) Packing Instruction 378 of Chapter 5, Class 3 — Flammable liquids, of Part 4, Packing Instructions, in the case of
 - (i) UN3528, ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED,
 - (ii) UN3528, ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED,

- (iii) UN3528, MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED, or
- (iv) UN3528, MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED;
- (e) Packing Instruction 220 of Chapter 4, Class 2 — Gases, of Part 4, Packing Instructions, in the case of
 - (i) UN3529, ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED,
 - (ii) UN3529, ENGINE, FUEL CELL, FLAMMABLE GAS POWERED,
 - (iii) UN3529, MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED, or
 - (iv) UN3529, MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED; and
- (f) Packing Instruction 972 of Chapter 11, Class 9 — Miscellaneous dangerous goods, of Part 4, Packing Instructions, in the case of
 - (i) UN3530, ENGINE, INTERNAL COMBUSTION, or
 - (ii) UN3530, MACHINERY, INTERNAL COMBUSTION.

Fire Extinguishers

- (8) When dangerous goods are UN1044, FIRE EXTINGUISHERS, Class 2.2, they must
 - (a) be in compliance with section 5.10 of Part 5, Means of Containment;
 - (b) have a capacity less than or equal to 18 L when they are transported on board a passenger carrying aircraft; and
 - (c) be packed in accordance with Packing Instruction 213 of Chapter 4, Class 2 – Gases, of Part 4, Packing Instructions, of the ICAO Technical Instructions.

Fire extinguishers

Gases

- (9) The following dangerous goods that are included in Class 2.1, Flammable Gases, must be in a means of containment set out in subsection (10):
 - (a) UN1011, BUTANE;
 - (b) UN1012, BUTYLENE;
 - (c) UN1055, ISOBUTYLENE;
 - (d) UN1075, LIQUEFIED PETROLEUM GASES;
 - (e) UN1077, PROPYLENE;
 - (f) UN1969, ISOBUTANE; or
 - (g) UN1978, PROPANE.
- (10) The dangerous goods referred to in subsection (9) must be contained in
 - (a) a means of containment that is marked TC-51, DOT-51 or CTC-51 and that is in standard with CSA B622 and Appendices A and B of CSA B620; or
 - (b) a cylinder that is in compliance with section 5.10 of Part 5, Means of Containment, and
 - (i) the cylinder has a capacity less than or equal to 100 L,
 - (ii) if the dangerous goods are transported in cylinders on board a passenger carrying aircraft, the total capacity of all the cylinders must be less than or equal to 120 L, and
 - (iii) the cylinder is secured in an upright position or in as near an upright position as possible to prevent movement during transport.

*Class 2.1,
Flammable Gases*

*Means of
containment for gases*

12.9 Limited Access *continued***Batteries**

- (11) Dangerous goods that are UN2794, BATTERIES, WET, FILLED WITH ACID, Class 8, UN2795, BATTERIES, WET, FILLED WITH ALKALI, Class 8, or UN2800, BATTERIES, WET, NON-SPILLABLE, Class 8, must
- (a) be transported in accordance with
- (i) the third sentence of Special Provision A123 of Chapter 3, Special provisions, of Part 3, Dangerous Goods List, Special Provisions and Limited and Excepted Quantities, of the ICAO Technical Instructions, and - ICAO requirements
 - (ii) the following packing instructions of Chapter 10, Class 8 – Corrosives, of Part 4, Packing Instructions, of the ICAO Technical Instructions, except that, when the aircraft is not a pressurized aircraft, section 1.1.6 of Chapter 1, General packing requirements, of Part 4, Packing Instructions, of the ICAO Technical Instructions does not apply: - packing instructions
 - (A) for batteries with the UN number UN2794 or UN2795, Packing Instruction 870, and
 - (B) for batteries with the UN number UN2800, Packing Instruction 872; and
- (b) if the batteries are transported on board a passenger carrying aircraft, have a gross mass less than or equal to 120 kg. - up to 120 kg

Sodium Chlorite and Hypochlorite Solution

- (12) When dangerous goods are UN1496, SODIUM CHLORITE, Class 5.1, or UN1791, HYPOCHLORITE SOLUTION, Class 8,
- (a) the available chlorine must be 7 per cent or less; Sodium chlorite and hypochlorite solution
- chlorine limit
 - (b) the quantity of the dangerous goods in an inner means of containment must be less than or equal to 5 L or 5 kg and, in an outer means of containment must be less than or equal to 20 L or 20 kg; - maximum quantity
 - (c) the dangerous goods must be placed in a leakproof inner means of containment that is a combination packaging, as defined in Chapter 3, General information, of Part 1, General, of the ICAO Technical Instructions; and - inner container
 - (d) the inner means of containment must be placed in an outer means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety. - outer container

Pilot-in-command Responsibilities

- (13) An air carrier must ensure that
- (a) the pilot-in-command of an aircraft, other than a helicopter, transporting dangerous goods Responsibilities of fixed-wing pilot
 - (i) briefs flight attendants, if any, on the nature and location of the dangerous goods that are in any compartment to which the flight attendants have access, and
 - (ii) completes and signs a manifest, journey log or flight record, or any other type of document designated for this purpose in the Operator's Manual, that includes the shipping name, UN number, class and quantity of dangerous goods transported that day;

- (b) at the end of each day, the pilot-in-command of a helicopter transporting dangerous goods completes and signs a manifest, journey log or flight record or any other type of document designated for this purpose in the Operator’s Manual, that includes the words “Dangerous Goods Transported” or “Marchandises dangereuses transportées”;
- (c) the air carrier keeps the documents referred to in paragraphs (a) and (b) for 12 months after the date on which the dangerous goods are no longer in transport; and
- (d) when an in-flight emergency occurs and circumstances permit, the pilot-in-command
- (i) complies with section 4.3, Information to be provided by the pilot-in-command in case of in-flight emergency, of Chapter 4, Provision of information, of Part 7, Operator’s Responsibilities, of the ICAO Technical Instructions, or
 - (ii) for an external load of dangerous goods suspended from a helicopter, notifies the appropriate air traffic services unit that dangerous goods are in the external load.

Responsibilities of helicopter pilot

Carrier must keep documents

Pilot must report in-flight emergency

Records

(14) An air carrier must

- (a) if the consignor, the person who accepts the dangerous goods or the person who loads the aircraft is not an employee of the air carrier, keep the following information for 12 months after the date on which the dangerous goods are no longer in transport:
- (i) the name and address of each consignor of dangerous goods, and
 - (ii) the name and address of the person who
 - (A) accepts each consignment of dangerous goods or directly supervises the acceptance of the dangerous goods, or
 - (B) loads and secures the dangerous goods or directly supervises the loading and securing of the dangerous goods;
- (b) keep a copy of the information referred to in clause (1)(b)(iv)(A) for 12 months after the date on which the dangerous goods are no longer in transport; and
- (c) for transport by helicopter, ensure that the following information is prepared before the dangerous goods are transported and is kept for 12 months after the date on which the dangerous goods are no longer in transport:
- (i) the name and address of each consignor of dangerous goods,
 - (ii) the approximate date of transport,
 - (iii) the locations to and from which the dangerous goods are to be transported,
 - (iv) the shipping name, the UN number, the class and the quantity of dangerous goods to be transported, and
 - (v) the name of the air carrier’s employee who prepares the information.

Carrier must keep information for 12 months

- (15)** An air carrier must produce a record, notice or report required by subsection (1) within 15 days after the day on which a written request is received from an inspector.

Produce information for inspector

12.10 Private Aircraft

A person may handle or transport dangerous goods within Canada by small aircraft or helicopter registered as private aircraft under sections 202.16 and 202.17 of the “Canadian Aviation Regulations” if the dangerous goods

*Private aircraft
or helicopter*

- (a) are intended for non-commercial recreational use; and
- (b) are not forbidden for transport by Schedule 1 or Schedule 3 to these Regulations or by the ICAO Technical Instructions.

12.11 Geological Core Samples

A person may handle, offer for transport or transport by aircraft within Canada dangerous goods that are contained in geological core samples less than or equal to 100 mm in diameter if

*Core samples 100 mm
diameter or less*

- (a) when the consignor is not the air carrier, the consignor notifies the air carrier of the presence of the core samples before offering them for transport;
- (b) the core samples are transported in wooden core sample boxes that are wrapped in a sealed plastic or polyethylene bag or in a means of containment that is equally leak-proof;
- (c) the core samples as well as the means of containment are secured to prevent movement during transport; and
- (d) where the core samples contain radioactive material, they are contained in a means of containment in accordance with the “Packaging and Transport of Nuclear Substances Regulations”.

- notify air carrier

- leak-proof packing

*- secured during
transport*

- radioactive material

12.12 Aerial Work

(1) A person may handle, offer for transport or transport dangerous goods by aircraft within Canada if the dangerous goods are being used at the location where the following aerial work takes place:

Types of aerial work

- (a) active fire suppression;
- (b) aerial cloud seeding;
- (c) aerial drip torching;
- (d) agriculture;
- (e) avalanche control;
- (f) forestry;
- (g) horticulture;
- (h) hydrographic or seismographic work; or
- (i) pollution control.

- (2) The dangerous goods must be contained in a means of containment that is
- (a) a tank, a container or an apparatus that is an integral part of the aircraft or that is attached to the aircraft in accordance with the Certificate of Airworthiness issued under the “Canadian Aviation Regulations”;
 - (b) a cylindrical collapsible rubber drum that is transported in or suspended from an aircraft and that is constructed, tested, inspected and used in accordance with MIL-D-23119G;
 - (c) a collapsible fabric tank that is transported suspended from a helicopter and that is constructed of material and seamed in accordance with MIL-T-52983G; or
 - (d) a small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.
- (3) The air carrier must ensure that
- (a) the person who loads and secures the dangerous goods on board the aircraft is trained, or works under the direct supervision of a person who is trained, in accordance with Part 6, Training, of these Regulations and Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions;
 - (b) if the dangerous goods are handled or transported by a person other than an employee of the air carrier, that person is trained in accordance with Part 6, Training, of these Regulations and Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions;
 - (c) the air carrier complies with Part 8 (Reporting Requirements);
 - (d) if the pilot-in-command of the aircraft does not load or directly supervise the loading of the dangerous goods, the person who loads and secures the dangerous goods gives the pilot-in-command, in writing, the following information for each of the dangerous goods:
 - (i) its shipping name, UN number and class, and
 - (ii) the gross mass of the dangerous goods and, in the case of explosives, the net explosives quantity;
 - (e) smoking is prohibited on board the aircraft and each area or compartment of the aircraft containing dangerous goods is ventilated to prevent the accumulation of vapour;
 - (f) when an in-flight emergency occurs and circumstances permit, the pilot-in-command complies with section 4.3, Information to be provided by the pilot-in-command in case of in-flight emergency, of Chapter 4, Provision of information, of Part 7, Operator’s Responsibilities, of the ICAO Technical Instructions; and
 - (g) the person who loads and secures or directly supervises the loading and securing of dangerous goods on board the aircraft
 - (i) complies with section 3.1, Inspection for damage or leakage, of Chapter 3, Inspection and decontamination, of Part 7, Operator’s Responsibilities, of the ICAO Technical Instructions, and
 - (ii) segregates the means of containment that contain dangerous goods that could react dangerously with one another in case of a release, in accordance with Table 7-1, “Segregation between packages”, of Chapter 2, Storage and loading, of Part 7, Operator’s Responsibilities, of the ICAO Technical Instructions.

*Means of containment**Training requirement**Reporting**Information required**Smoking and ventilation**In-flight emergency**Inspection for damage or leakage**Segregation between packages*

12.13 Measuring Instruments

A person may handle or transport by aircraft within Canada a measuring instrument that contains dangerous goods if

- | | |
|---|---|
| <p>(a) the person who is responsible for the measuring instrument</p> <p>(i) ensures that the measuring instrument or its means of containment has displayed on it labels in accordance with Chapter 3, Labelling, of Part 5, Shipper's Responsibilities, of the ICAO Technical Instructions,</p> <p>(ii) before transporting the measuring instrument on the aircraft, has the written agreement of the air carrier to use or transport the measuring instrument on board the aircraft, and</p> <p>(iii) is trained in accordance with Part 6, Training, of these Regulations and Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions and complies with all laws applicable to the measuring instrument;</p> | <p><i>Measuring instruments</i></p> <p><i>Labelling</i></p> <p><i>Written agreement from air carrier</i></p> <p><i>Training</i></p> |
| <p>(b) the measuring instrument is placed or used in a location in the aircraft that is known to the pilot-in-command and the flight crew; and</p> | <p><i>Location in the aircraft</i></p> |
| <p>(c) when the measuring instrument contains radioactive materials,</p> <p>(i) the radiation level at 100 mm from any point of the external surface of the instrument is less than or equal to 100 µSv/h (10 millirems per hour), and</p> <p>(ii) the activity of the measuring instrument does not exceed the applicable exception limit set out in the column entitled "Item limits" in Table 2-14, "Activity limits for excepted packages", of Chapter 7, Class 7 – Radioactive material, of Part 2, Classification of Dangerous Goods, of the ICAO Technical Instructions.</p> | <p><i>Radioactive materials</i></p> |

12.14 Medical Aid

- | | |
|---|--|
| <p>(1) A person may handle, offer for transport or transport by aircraft within Canada dangerous goods, other than Class 2, Gases, if</p> <p>(a) the dangerous goods will be used or part of the dangerous goods have been used for a person who will require or who has required medical aid during flight;</p> <p>(b) the transport of the dangerous goods is not forbidden by Schedule 1 or Schedule 3 of these Regulations or the ICAO Technical Instructions;</p> <p>(c) before the dangerous goods are loaded, the person who offers them for transport receives the agreement of the air carrier to transport the dangerous goods on board the aircraft;</p> <p>(d) the air carrier</p> <p>(i) directly supervises the loading and securing of the dangerous goods on board the aircraft so that they do not move during transport,</p> <p>(ii) complies with section 3.1, Inspection for damage or leakage, of Chapter 3, Inspection and decontamination, of Part 7, Operator's Responsibilities, of the ICAO Technical Instructions, and</p> <p>(iii) provides to the pilot-in-command, in writing, the shipping name, the UN number and the class of the dangerous goods and their location on board the aircraft;</p> <p>(e) <i>Repealed</i></p> | <p><i>Dangerous goods required for medical aid during flight</i></p> <p><i>Permitted dangerous goods only</i></p> <p><i>Agreement of the air carrier</i></p> <p><i>Loading and securing</i></p> <p><i>Inspection for damage or leakage</i></p> <p><i>Information to pilot-in-command</i></p> |
|---|--|

- | | |
|--|---|
| <p>(f) in the event of a change of aircraft or flight crew, the pilot-in-command communicates the information required by subparagraph (d)(iii) to the next pilot-in-command;</p> | <p><i>Change of aircraft or flight crew</i></p> |
| <p>(g) the air carrier's employees are trained, or work under the direct supervision of a person who is trained, in accordance with Part 6, Training, of these Regulations and Chapter 4, Training, of Part 1, General, of the ICAO Technical Instructions; and</p> | <p><i>Training required</i></p> |
| <p>(h) the air carrier complies with Part 8 (Reporting Requirements).</p> | <p><i>Reporting</i></p> |
| <p>(2) The air carrier and the person who offers the dangerous goods for transport must ensure that</p> | |
| <p>(a) the dangerous goods are contained in a means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; and</p> | <p><i>Securely contained</i></p> |
| <p>(b) the means of containment has displayed on it the package markings and labels required by Chapter 2, Marking, and Chapter 3, Labelling, of Part 5, Shipper's Responsibilities, of the ICAO Technical Instructions.</p> | <p><i>Marking and labelling</i></p> |
| <p>(3) A person may handle, offer for transport or transport by aircraft within Canada UN1072, OXYGEN, COMPRESSED, if</p> | <p><i>Oxygen</i></p> |
| <p>(a) the air carrier and the person who offers the dangerous goods for transport comply with the requirements of subsection (1) and paragraph (2)(b);</p> | |
| <p>(b) the dangerous goods are in a cylinder that is in compliance with section 5.10 of Part 5, Means of Containment, of these Regulations;</p> | <p><i>- cylinder standards</i></p> |
| <p>(c) each cylinder contains a quantity of UN1072, OXYGEN, COMPRESSED, that is less than or equal to 850 L or 30 ft³;</p> | <p><i>- quantity limit</i></p> |
| <p>(d) the number of cylinders containing UN1072, OXYGEN, COMPRESSED, does not exceed 6 owned by the air carrier and one additional cylinder for each passenger who needs the oxygen at destination; and</p> | <p><i>- number of cylinders</i></p> |
| <p>(e) the pilot-in-command is advised of the number of cylinders loaded on board the aircraft.</p> | <p><i>- notification to pilot</i></p> |

12.15 *Repealed*

12.16 *Repealed*

12.17 Flight Deck Loading Restrictions

A person may handle or transport within Canada, by an aircraft that does not have a Class B, Class C or Class D cargo compartment, dangerous goods other than those included in Class 4.3, Water Reactive Substances, if

- (a) the person complies with
 - (i) paragraphs 12.1(1)(a) to (j), and
 - (ii) the ICAO Technical Instructions, other than section 2.1, Loading restrictions on flight deck and for passenger aircraft, of Chapter 2, Storage and Loading, of Part 7, Operator’s Responsibilities;
- (b) a certificate was issued for the aircraft under Subpart 4 of Part VI or Subpart 3 or 4 of Part VII of the “Canadian Aviation Regulations”;
- (c) transport of the dangerous goods is not forbidden by Schedule 1 or Schedule 3 of these Regulations or the ICAO Technical Instructions;
- (d) transport of the dangerous goods is not restricted by the ICAO Technical Instructions to cargo aircraft only; and
- (e) the dangerous goods are loaded and transported in a compartment that is accessible during flight so that the dangerous goods and any other cargo can be readily reached by a crew member using, if necessary, a hand-held fire extinguisher.

Flight deck loading restrictions

- *TDG Regulations*

- *ICAO restrictions*

- *aircraft certificate*

- *no forbidden dangerous goods*

- *permitted on passenger aircraft*

- *transported in accessible compartment*

PART 14**Permit for Equivalent Level of Safety****Background**

There is no obligation on any person to apply for a permit for equivalent level of safety to handle, offer for transport or transport dangerous goods. However, if a person wants to conduct an activity in a way that is not consistent with the Act or Regulations, the person must apply for a permit for equivalent level of safety to do so under section 31 of the Act.

Under subsection 31(1) of the Act, the Minister or a designated person may issue a permit for equivalent level of safety if the Minister or designated person is satisfied that the activity authorized by the permit will be conducted in a manner that will provide a level of safety at least equivalent to that provided by compliance with the Act and these Regulations.

The persons designated to issue a permit for equivalent level of safety are those people in the Transport Dangerous Goods Directorate, Transport Canada, who hold the following positions:

Director General

Director, Regulatory Affairs Branch

Chief, Permits and Approvals Division

Definitions

Definitions for the following terms, used in this Part, are provided in Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases:

Act

net explosives quantity

aircraft

permit for equivalent level of safety

classification

person

dangerous goods

railway vehicle

Director General

road vehicle

means of containment

vessel

Minister

14.1 Applying for a Permit for Equivalent Level of Safety

A person must apply to the Minister or a designated person in writing for a permit for equivalent level of safety and must include the following information:

- | | <i>Information required</i> |
|--|---|
| (a) if the applicant is an individual, the name of the individual; | - <i>name of individual</i> |
| (b) if the applicant is a company or an association, the name of the company or association and each association member, as the names appear in letters patent, articles of incorporation or any other document that shows the legal identity of the company or the association and each association member; | - <i>name of company or association and members</i> |
| (c) the address of the place of business of the applicant; | - <i>address</i> |
| (d) the telephone number, including the area code, and, if applicable, the electronic mailing address and the facsimile number of the applicant; | - <i>telephone number</i> |
| (e) if a person submits an application on behalf of a company or an association, the person's name and position and the telephone number, including the area code, and address of the person's place of business; | - <i>contact person</i> |
| (f) the classification of the dangerous goods and, if the dangerous goods are in a solution or mixture, the composition and percentage (specified by volume, mass or net explosives quantity) of each chemical; | - <i>description of dangerous goods</i> |
| (g) the method of packaging the dangerous goods, including a description of the means of containment and the quantity of dangerous goods in each means of containment; | - <i>packaging and quantities</i> |
| (h) whether the permit for equivalent level of safety is requested for transport by road vehicle, railway vehicle, aircraft or vessel; | - <i>mode of transport</i> |
| (i) a description of the proposal for a permit for equivalent level of safety, including | - <i>proposal</i> |
| (i) the requirements of the Act or these Regulations that the applicant proposes not to comply with, | |
| (ii) the manner in which the activity will be carried out and how that manner will provide a level of safety at least equivalent to that provided by compliance with the Act and these Regulations, and | |
| (iii) drawings, plans, calculations, procedures, test results and any other information necessary to support the proposal; | |
| (j) the length of time or the schedule of activities for which the permit for equivalent level of safety is requested; and | - <i>timetable</i> |
| (k) the name, position and business telephone number, including the area code, of the person who can be contacted regarding the application for a permit for equivalent level of safety and who is authorized by the applicant to speak on the applicant's behalf. | - <i>applicant's representative</i> |

14.2 Issuance or Refusal of a Permit for Equivalent Level of Safety

Under subsection 31(1) of the Act, the Minister or a designated person may issue a permit for equivalent level of safety if the Minister or designated person is satisfied that the activity authorized by the permit will be conducted in a manner that will provide a level of safety at least equivalent to that provided by compliance with the Act and these Regulations.

If an application for a permit for equivalent level of safety is refused, the Minister or a designated person must notify the applicant, in writing, of the refusal and the reasons for the refusal.

Notification of refusal

SCHEDULE 1

Dangerous Goods List – By UN Number

Classes 1 to 9

Legend

- Col. 1** **UN Number.** This column gives the UN numbers for the shipping names of the dangerous goods. The shipping names are listed in alphabetical order in Schedule 3.
- Col. 2** **Shipping Name and Description.** This column gives the shipping names for the dangerous goods. Each shipping name is written in upper case letters (capitals) and any descriptive text is written in lower case letters. The word “or” between shipping names indicates that there is more than one shipping name for the dangerous goods and that each shipping name is correct. Any one of the shipping names may be used, for example, to complete a shipping document.
- See paragraph 1.3(2)(d) of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) for additional information about shipping names and how they may be written to complete, for example, a shipping document.*
- The abbreviation N.O.S. means “Not Otherwise Specified”.*
- Col. 3** **Class.** This column gives the primary class for the dangerous goods. Any subsidiary class is shown in parentheses. There is no priority between or among subsidiary classes.
- The word “Forbidden” in this column means that the dangerous goods must not be transported. Schedule 3 includes dangerous goods that are forbidden for transport but that do not have a UN number. *A person may apply for a Permit for Equivalent Level of Safety to transport these dangerous goods (see Part 14 (Permit for Equivalent Level of Safety)).*
- Col. 4** **Packing Group/Category.** This column gives the packing group or category for the dangerous goods.
- All dangerous goods included in Class 1, Explosives, are assigned to packing group II. Dangerous goods included in Class 2, Gases, and Class 7, Radioactive Materials, do not have packing groups. Dangerous goods included in Class 6.2, Infectious Substances, are assigned to category A or B rather than to packing groups.*
- Col. 5** **Special Provisions.** This column gives the numbers of the special provisions that apply to the dangerous goods. The special provisions are set out in Schedule 2.
- Col. 6a** **Explosive Limit and Limited Quantity Index.** This column gives the maximum quantity of dangerous goods that may be handled, offered for transport or transported either in accordance with section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) in the case of dangerous goods included in any of Classes 2 to 9, or in accordance with section 1.31 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) in the case of dangerous goods included in Class 1, Explosives.
- Section 1.17 applies to dangerous goods included in Classes 2 to 9. Section 1.17 may also apply to ammunition included in Class 1.4S and assigned to UN0012, UN0014 or UN0055.*
- Section 1.31 applies to dangerous goods included in Class 1.*
- Ammunition included in Class 1.4S and assigned to UN0012, UN0014 or UN0055 may be offered for transport with the Limited Quantity marking under special provision 125 of Schedule 2.*

Col. 6b **Excepted Quantity Index.** This column provides an alphanumeric code, set out in the table to subsection 1.17.1(2) of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), that indicates the maximum quantity of dangerous goods that may be handled, offered for transport or transported in accordance with section 1.17.1 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) in the case of dangerous goods included in any of Classes 2 to 9.

Col. 7 **ERAP Index.** This column gives the ERAP (emergency response assistance plan) quantity limit above which an approved ERAP is required for the dangerous goods in accordance with section 7.1 of Part 7 (Emergency Response Assistance Plan).

The quantity limit is expressed in kilograms for solids, in litres for liquids, and, for gases, as the capacity in litres of the means of containment. For Class 1, Explosives, the quantity is expressed either in kilograms of net explosives quantity or, if the explosives are subject to special provision 85 or 86, number of articles.

For dangerous goods included in Class 3, Flammable Liquids, with the UN number UN1170, UN1202, UN1203, UN1267, UN1268, UN1863, UN1987, UN1993, UN3295, UN3475 or UN3494, see subsection 7.1(6) of Part 7 (Emergency Response Assistance Plan), which sets out the ERAP requirements for those dangerous goods. For Class 6.2, Infectious Substances, see subsection 7.1(7) of Part 7 (Emergency Response Assistance Plan), which sets out the ERAP requirements for certain infectious substances.

The ERAP quantity limit applies to the row in this Schedule on which it appears. For example, UN1986 may require an ERAP for Packing Group I but not for Packing Group II or III.

If no index number is shown, an ERAP is not required unless the dangerous goods are subject to special provision 84 or 150 (*see subsections 7.1(6) and (7) of Part 7 (Emergency Response Assistance Plan)*).

In column 7 of the schedule, “SP” means “special provision”.

Col. 8 **Passenger Carrying Vessel Index.** This column gives the maximum quantity of dangerous goods that may be transported, per means of containment, on board a passenger carrying vessel (*see section 1.6 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases)*). The quantity limit is expressed in kilograms for solids, in litres for liquids, and, for gases, as the capacity in litres of the means of containment. For Class 1, Explosives, the quantity is expressed either in kilograms of net explosives quantity or, if the explosives are subject to special provision 85 or 86, in number of articles. There may be special stowage requirements or restrictions for some of these dangerous goods, and the consignor should contact the marine carrier for more information.

The word “Forbidden” in this column means that the dangerous goods must not be transported in any quantity on board a passenger carrying vessel. *A person may apply for a Permit for Equivalent Level of Safety to transport these dangerous goods (see Part 14 (Permit for Equivalent Level of Safety)).*

If no index number is shown, there is no quantity limit.

Col. 9 **Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index.** This column gives the maximum quantity of dangerous goods that may be transported, per means of containment, on board a passenger carrying road vehicle or a passenger carrying railway vehicle (*see section 1.6 of Part 1, (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases)*). The quantity limit is expressed in kilograms for solids, in litres for liquids, and, for gases, as the capacity in litres of the means of containment. For Class 1, Explosives, the quantity is expressed either in kilograms of net explosives quantity or, if the explosives are subject to special provision 85 or 86, in number of articles.

The word “Forbidden” in this column means that the dangerous goods must not be transported in any quantity on board a passenger carrying road vehicle or a passenger carrying railway vehicle. *A person may apply for a permit for Equivalent Level of Safety to transport these dangerous goods (see Part 14 (Permit for Equivalent Level of Safety)).*

If no index number is shown, there is no quantity limit.

How To Use Schedule 1

Important Principles

There are two important principles to follow:

1. The data in each row must be used exactly as it is presented to meet, for example, the requirements for completing a shipping document.
2. When one row has more than one sub-row in columns 4 to 9 (e.g., there is more than one packing group), the data used for that UN number must be taken entirely from the same row and the same sub-row.

This explanation describes how to use this Schedule. If a UN number is not known, one must refer to Schedule 3 to select the most appropriate UN number for the substance. In some cases, one UN number is used for several different products (generic entries or N.O.S.).

Four entries are used in the following three examples to illustrate four separate but similar ways of presenting data. The first example is described in detail. The entries are: UN1660, UN1664 and UN3446, and UN2024.

Example 1: UN1660

- Col. 1/Col. 2** UN1660 is the UN number (see column 1) for the shipping name NITRIC OXIDE, COMPRESSED (see column 2). Note that subparagraph 1.3(2)(d)(iii) of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) allows shipping names in English to be written in a different order from the order in Schedule 1, as long as the full shipping name is used and the word order is a commonly used one. For example, this substance may be referred to in English as either NITRIC OXIDE, COMPRESSED, or COMPRESSED NITRIC OXIDE.
- Col. 3** The primary class is Class 2.3 and the two subsidiary classes are Class 5.1 and Class 8 (see column 3). Please note that no priority is to be assumed between or among subsidiary classes.
- Col. 4** There is no packing group, which is true for all gases (see column 4).
- Col. 5** There are two special provisions that apply (see column 5). They are Special Provisions 23 and 38, the text of which is in Schedule 2.
- Col. 6a** NITRIC OXIDE, COMPRESSED, cannot be transported as a limited quantity because a “0” is shown for it in column 6.
- Col. 6b** NITRIC OXIDE, COMPRESSED, cannot be transported as an excepted quantity because the code “E0” is set out for this substance in column 6 (b).
- Col. 7** NITRIC OXIDE, COMPRESSED, in a means of containment whose capacity exceeds 25 L requires an emergency response assistance plan because a “25” is set out for this substance in column 7.
- Col. 8/Col. 9** NITRIC OXIDE, COMPRESSED, is forbidden for transport on a passenger carrying vessel, a passenger carrying road vehicle or a passenger carrying railway vehicle, because the word “Forbidden” is set out for that substance in columns 8 and 9.

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6a	Col 6b	Col 7	Col 8	Col 9
UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 1660	NITRIC OXIDE, COMPRESSED	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden

Example 2: UN1664 and UN3446

These dangerous goods can be transported under two different UN numbers: UN1664, NITROTOLUENES, LIQUID, for the liquid form of the substance and UN3446, NITROTOLUENES, SOLID, for the solid form of the substance. Once the correct UN number is chosen, i.e., the UN number for the liquid or the UN number for the solid, the information is read in the same fashion as Example 1, UN1660, NITRIC OXIDE, COMPRESSED.

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6a	Col 6b	Col 7	Col 8	Col 9
UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 1664	NITROTOLUENES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 3446	NITROTOLUENES, SOLID	6.1	II		0.5 kg	E4			25 kg

Example 3: UN2024

This UN number appears only once for the shipping name MERCURY COMPOUND, LIQUID, N.O.S., but the entry contains three different sets of data, one for each of the three packing groups. The abbreviation N.O.S. means “Not Otherwise Specified”.

The UN number, shipping name and class are the same for each packing group. However, the remaining data are taken from the applicable packing group sub-row in columns 4 to 9, and are read in the same fashion as Example 1, UN1660, NITRIC OXIDE, COMPRESSED.

Note that all the data used to complete a shipping document, for example, must be from the same row (columns 1 to 3) and the same sub-row (columns 4 to 9).

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6a	Col 6b	Col 7	Col 8	Col 9
UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 2024	MERCURY COMPOUND, LIQUID, N.O.S., excluding mercurous chloride and cinnabar	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L

Col 1	Col 2	Col 3	Col 4	Col 5	Col 6a	Col 6b	Col 7	Col 8	Col 9
UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 0004	AMMONIUM PICRATE dry or wetted with less than 10% water, by mass	1.1D	II		5	E0	75	10	Forbidden
UN 0005	CARTRIDGES FOR WEAPONS with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0006	CARTRIDGES FOR WEAPONS with bursting charge	1.1E	II		0	E0	75	10	Forbidden
UN 0007	CARTRIDGES FOR WEAPONS with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0009	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.2G	II		0	E0	75	10	Forbidden
UN 0010	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.3G	II		0	E0		10	Forbidden
UN 0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE; or CARTRIDGES, SMALL ARMS	1.4S	II	125	25	E0			
UN 0014	CARTRIDGES FOR WEAPONS, BLANK; CARTRIDGES, SMALL ARMS, BLANK; or CARTRIDGES FOR TOOLS, BLANK	1.4S	II	125	25	E0			
UN 0015	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.2G	II		0	E0	75		Forbidden
UN 0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.3G	II		0	E0			Forbidden
UN 0018	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.2G (6.1) (8)	II		0	E0	75		Forbidden
UN 0019	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.3G (6.1) (8)	II		10	E0	75		Forbidden
UN 0020	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1.2K (6.1)	II	16	0	E0	75	Forbidden	Forbidden
UN 0021	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1.3K (6.1)	II	16	0	E0	75	Forbidden	Forbidden
UN 0027	BLACK POWDER granular or as a meal; or GUNPOWDER granular or as a meal	1.1D	II	76, 90	10	E0	75	10	Forbidden
UN 0028	BLACK POWDER, COMPRESSED; BLACK POWDER, IN PELLETS; GUNPOWDER, COMPRESSED; or GUNPOWDER, IN PELLETS	1.1D	II	90	10	E0	75	10	Forbidden
UN 0029	DETONATORS, NON-ELECTRIC for blasting	1.1B	II	86	0	E0	5000	100	100
UN 0030	DETONATORS, ELECTRIC for blasting	1.1B	II	86	0	E0	5000	100	100
UN 0033	BOMBS with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0034	BOMBS with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0035	BOMBS with bursting charge	1.2D	II		0	E0	75	10	Forbidden
UN 0037	BOMBS, PHOTO-FLASH	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0038	BOMBS, PHOTO-FLASH	1.1D	II		0	E0	75	10	Forbidden
UN 0039	BOMBS, PHOTO-FLASH	1.2G	II		0	E0	75	10	Forbidden
UN 0042	BOOSTERS without detonator	1.1D	II		0	E0	75	10	Forbidden
UN 0043	BURSTERS, explosive	1.1D	II		0	E0	75	10	Forbidden
UN 0044	PRIMERS, CAP TYPE	1.4S	II	85	0	E0			
UN 0048	CHARGES, DEMOLITION	1.1D	II		0	E0	75	10	Forbidden
UN 0049	CARTRIDGES, FLASH	1.1G	II		0	E0	75	10	Forbidden
UN 0050	CARTRIDGES, FLASH	1.3G	II		0	E0		10	Forbidden
UN 0054	CARTRIDGES, SIGNAL	1.3G	II		25	E0		10	Forbidden
UN 0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4S	II	125	25	E0			
UN 0056	CHARGES, DEPTH	1.1D	II		0	E0	75	10	Forbidden

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UN 0059	CHARGES, SHAPED without detonator	1.1D	II		25	E0	75	10	Forbidden
UN 0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE	1.1D	II		0	E0	75	10	Forbidden
UN 0065	CORD, DETONATING , flexible	1.1D	II		25	E0	75	10	Forbidden
UN 0066	CORD, IGNITER	1.4G	II	76	25	E0		10	20
UN 0070	CUTTERS, CABLE, EXPLOSIVE	1.4S	II		25	E0			
UN 0072	CYCLONITE, WETTED with not less than 15% water, by mass; CYCLOTRIMETHYLENETRINITRAMINE, WETTED with not less than 15% water, by mass; HEXOGEN, WETTED with not less than 15% water, by mass; or RDX, WETTED with not less than 15% water, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0073	DETONATORS FOR AMMUNITION	1.1B	II		0	E0	75	10	Forbidden
UN 0074	DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden
UN 0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% non-volatile, water-insoluble phlegmatizer, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0076	DINITROPHENOL , dry or wetted with less than 15% water, by mass	1.1D (6.1)	II		5	E0	75	10	Forbidden
UN 0077	DINITROPHENOLATES , alkali metals, dry or wetted with less than 15% water, by mass	1.3C (6.1)	II		10	E0	75	10	Forbidden
UN 0078	DINITRORESORCINOL , dry or wetted with less than 15% water, by mass	1.1D	II		5	E0	75	10	Forbidden
UN 0079	HEXANITRODIPHENYLAMINE; DIPICRYLAMINE; OR HEXYL	1.1D	II		0	E0	75	10	Forbidden
UN 0081	EXPLOSIVE, BLASTING, TYPE A	1.1D	II		25	E0	75	10	Forbidden
UN 0082	EXPLOSIVE, BLASTING, TYPE B	1.1D	II		25	E0	75	10	Forbidden
UN 0083	EXPLOSIVE, BLASTING, TYPE C	1.1D	II	1	25	E0	75	10	Forbidden
UN 0084	EXPLOSIVE, BLASTING, TYPE D	1.1D	II		25	E0	75	10	Forbidden
UN 0092	FLARES, SURFACE	1.3G	II		25	E0		10	20
UN 0093	FLARES, AERIAL	1.3G	II		10	E0		10	20
UN 0094	FLASH POWDER	1.1G	II	76	5	E0	75	Forbidden	Forbidden
UN 0099	FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	1.1D	II		25	E0	75	10	Forbidden
UN 0101	FUSE, NON-DETONATING	1.3G	II	76	25	E0		10	20
UN 0102	CORD, DETONATING , metal clad; or FUSE, DETONATING , metal clad	1.2D	II		5	E0	75	10	Forbidden
UN 0103	FUSE, IGNITER , tubular, metal clad	1.4G	II		0	E0		10	20
UN 0104	CORD, DETONATING, MILD EFFECT , metal clad; or FUSE, DETONATING, MILD EFFECT , metal clad	1.4D	II		5	E0		10	3
UN 0105	FUSE, SAFETY	1.4S	II	76	25	E0			
UN 0106	FUZES, DETONATING	1.1B	II		0	E0	75	10	Forbidden
UN 0107	FUZES, DETONATING	1.2B	II		0	E0	75	10	Forbidden
UN 0110	GRENADES, PRACTICE , hand or rifle	1.4S	II		0	E0			
UN 0113	GUANYL NITROSAMINO GUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden

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UN 0114	GUANYL NITROSAMINO GUANYL TETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass; or TETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden
UN 0118	HEXOLITE , dry or wetted with less than 15% water, by mass; or HEXOTOL , dry or wetted with less than 15% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0121	IGNITERS	1.1G	II	86	0	E0	5000	100	100
UN 0124	JET PERFORATING GUNS, CHARGED , oil well, without detonator	1.1D	II		0	E0	75	10	Forbidden
UN 0129	LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden
UN 0130	LEAD STYPHNATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass; or LEAD TRINITRORESORCINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden
UN 0131	LIGHTERS, FUSE	1.4S	II	86	0	E0			
UN 0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.	1.3C	II		0	E0		10	Forbidden
UN 0133	MANNITOL HEXANITRATE, WETTED with not less than 40% water, or mixture of alcohol and water, by mass; or NITROMANNITE, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0135	MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	II	79	0	E0	75	Forbidden	Forbidden
UN 0136	MINES with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0137	MINES with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0138	MINES with bursting charge	1.2D	II		0	E0	75	10	Forbidden
UN 0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	1.1D (6.1)	II	79, 110	0	E0	75	10	Forbidden
UN 0144	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	1.1D	II		0	E0	75	10	Forbidden
UN 0146	NITROSTARCH , dry or wetted with less than 20% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0147	NITRO UREA	1.1D	II		0	E0	75	10	Forbidden
UN 0150	PENTAERYTHRITATE TETRANITRATE, DESENSITIZED with not less than 15% phlegmatizer, by mass; PENTAERYTHRITATE TETRANITRATE, WETTED with not less than 25% water, by mass; PENTAERYTHRITOL TETRANITRATE, DESENSITIZED with not less than 15% phlegmatizer, by mass; PENTAERYTHRITOL TETRANITRATE, WETTED with not less than 25% water, by mass; PETN, DESENSITIZED with not less than 15% phlegmatizer, by mass; or PETN, WETTED with not less than 25% water, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0151	PENTOLITE , dry or wetted with less than 15% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0153	PICRAMIDE ; or TRINITROANILINE	1.1D	II		0	E0	75	10	Forbidden
UN 0154	PICRIC ACID , dry or wetted with less than 30% water, by mass; or TRINITROPHENOL , dry or wetted with less than 30% water, by mass	1.1D	II	10	0	E0	75	10	Forbidden

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UN 0155	PICRYL CHLORIDE; or TRINITROCHLOROBENZENE	1.1D	II	10	0	E0	75	10	Forbidden
UN 0159	POWDER CAKE, WETTED with not less than 25% water, by mass; or POWDER PASTE, WETTED with not less than 25% water, by mass	1.3C	II	79	0	E0		10	Forbidden
UN 0160	POWDER, SMOKELESS	1.1C	II		0	E0	75	10	Forbidden
UN 0161	POWDER, SMOKELESS	1.3C	II	76	25	E0	1000	10	Forbidden
UN 0167	PROJECTILES with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0168	PROJECTILES with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0169	PROJECTILES with bursting charge	1.2D	II		0	E0	75	10	Forbidden
UN 0171	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.2G	II		0	E0	75	10	Forbidden
UN 0173	RELEASE DEVICES, EXPLOSIVE	1.4S	II		25	E0			
UN 0174	RIVETS, EXPLOSIVE	1.4S	II		25	E0			
UN 0180	ROCKETS with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0181	ROCKETS with bursting charge	1.1E	II		0	E0	75	10	Forbidden
UN 0182	ROCKETS with bursting charge	1.2E	II		0	E0	75	10	Forbidden
UN 0183	ROCKETS with inert head	1.3C	II		0	E0		10	Forbidden
UN 0186	ROCKET MOTORS	1.3C	II		10	E0		10	Forbidden
UN 0190	SAMPLES, EXPLOSIVE, other than initiating explosive		II	16	0	E0	75	Forbidden	Forbidden
UN 0191	SIGNAL DEVICES, HAND	1.4G	II		25	E0		10	20
UN 0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.1G	II		5	E0	75	10	Forbidden
UN 0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4S	II		25	E0			
UN 0194	SIGNALS, DISTRESS, vessel	1.1G	II		10	E0	75	10	Forbidden
UN 0195	SIGNALS, DISTRESS, vessel	1.3G	II		10	E0		10	20
UN 0196	SIGNALS, SMOKE	1.1G	II		0	E0	75	10	Forbidden
UN 0197	SIGNALS, SMOKE	1.4G	II	76	25	E0		10	20
UN 0204	SOUNDING DEVICES, EXPLOSIVE	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0207	TETRANITROANILINE	1.1D	II		0	E0	75	10	Forbidden
UN 0208	TETRYL; or TRINITROPHENYLMETHYLNITRAMINE	1.1D	II		0	E0	75	10	Forbidden
UN 0209	TNT, dry or wetted with less than 30% water, by mass; or TRINITROTOLUENE, dry or wetted with less than 30% water, by mass	1.1D	II		25	E0	75	10	Forbidden
UN 0212	TRACERS FOR AMMUNITION	1.3G	II		0	E0		10	Forbidden
UN 0213	TRINITROANISOLE	1.1D	II		0	E0	75	10	Forbidden
UN 0214	TRINITROBENZENE, dry or wetted with less than 30% water, by mass	1.1D	II	10	0	E0	75	10	Forbidden
UN 0215	TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass	1.1D	II	10	0	E0	75	10	Forbidden
UN 0216	TRINITRO- <i>m</i> -CRESOL	1.1D	II		0	E0	75	10	Forbidden
UN 0217	TRINITRONAPHTHALENE	1.1D	II		0	E0	75	10	Forbidden
UN 0218	TRINITROPHENETOLE	1.1D	II		0	E0	75	10	Forbidden
UN 0219	STYPHNIC ACID, dry or wetted with less than 20% water, or mixture of alcohol and water, by mass; or TRINITRORESORCINOL, dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	1.1D	II		0	E0	75	10	Forbidden

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UN 0220	UREA NITRATE, dry or wetted with less than 20% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0221	WARHEADS, TORPEDO with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0222	AMMONIUM NITRATE	1.1D	II	140	0	E0	75	10	Forbidden
UN 0224	BARIUM AZIDE, dry or wetted with less than 50% water, by mass	1.1A (6.1)	II		0	E0	75	Forbidden	Forbidden
UN 0225	BOOSTERS WITH DETONATOR	1.1B	II		0	E0	75	10	Forbidden
UN 0226	CYCLOTETRAMETHYLENETETRAMINE, WETTED with not less than 15% water, by mass; HMX, WETTED with not less than 15% water, by mass; or OCTOGEN, WETTED with not less than 15% water, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0234	SODIUM DINITRO- <i>o</i> -CRESOLATE, dry or wetted with less than 15% water, by mass	1.3C	II	10	0	E0		10	Forbidden
UN 0235	SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1.3C	II		0	E0		10	Forbidden
UN 0236	ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1.3C	II		0	E0		10	Forbidden
UN 0237	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.4D	II		25	E0		10	3
UN 0238	ROCKETS, LINE-THROWING	1.2G	II		5	E0	75	10	Forbidden
UN 0240	ROCKETS, LINE-THROWING	1.3G	II		10	E0		10	20
UN 0241	EXPLOSIVE, BLASTING, TYPE E	1.1D	II		25	E0	75	10	Forbidden
UN 0242	CHARGES, PROPELLING, FOR CANNON	1.3C	II		0	E0		10	Forbidden
UN 0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H	II		0	E0	75	Forbidden	Forbidden
UN 0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H	II		0	E0		Forbidden	Forbidden
UN 0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.2H	II		0	E0	75	Forbidden	Forbidden
UN 0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1.3H	II		0	E0		Forbidden	Forbidden
UN 0247	AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge	1.3J	II		0	E0		Forbidden	Forbidden
UN 0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.2L	II	16	0	E0	75	Forbidden	Forbidden
UN 0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1.3L	II	16	0	E0		Forbidden	Forbidden
UN 0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1.3L	II		0	E0		Forbidden	Forbidden
UN 0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.3G	II		0	E0		10	Forbidden
UN 0255	DETONATORS, ELECTRIC for blasting	1.4B	II	76, 86	0	E0		100	100
UN 0257	FUZES, DETONATING	1.4B	II		0	E0		10	3
UN 0266	OCTOL, dry or wetted with less than 15% water, by mass; or OCTOLITE, dry or wetted with less than 15% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0267	DETONATORS, NON-ELECTRIC for blasting	1.4B	II	86	0	E0		100	100
UN 0268	BOOSTERS WITH DETONATOR	1.2B	II		0	E0	75	10	Forbidden
UN 0271	CHARGES, PROPELLING	1.1C	II		0	E0	75	10	Forbidden

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UN 0272	CHARGES, PROPELLING	1.3C	II		0	E0		10	Forbidden
UN 0275	CARTRIDGES, POWER DEVICE	1.3C	II		25	E0		10	Forbidden
UN 0276	CARTRIDGES, POWER DEVICE	1.4C	II		25	E0		10	3
UN 0277	CARTRIDGES, OIL WELL	1.3C	II		25	E0		10	Forbidden
UN 0278	CARTRIDGES, OIL WELL	1.4C	II		25	E0		10	3
UN 0279	CHARGES, PROPELLING, FOR CANNON	1.1C	II		0	E0	75	10	Forbidden
UN 0280	ROCKET MOTORS	1.1C	II		0	E0	75	10	Forbidden
UN 0281	ROCKET MOTORS	1.2C	II		0	E0	75	10	Forbidden
UN 0282	NITROGUANIDINE , dry or wetted with less than 20% water, by mass; or PICRITE , dry or wetted with less than 20% water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0283	BOOSTERS without detonator	1.2D	II		0	E0	75	10	Forbidden
UN 0284	GRENADES , hand or rifle, with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0285	GRENADES , hand or rifle, with bursting charge	1.2D	II		0	E0	75	10	Forbidden
UN 0286	WARHEADS, ROCKET with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0287	WARHEADS, ROCKET with bursting charge	1.2D	II		0	E0	75	10	Forbidden
UN 0288	CHARGES, SHAPED, FLEXIBLE, LINEAR	1.1D	II		25	E0	75	10	Forbidden
UN 0289	CORD, DETONATING , flexible	1.4D	II		25	E0		10	3
UN 0290	CORD, DETONATING , metal clad; or FUSE, DETONATING , metal clad	1.1D	II		5	E0	75	10	Forbidden
UN 0291	BOMBS with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0292	GRENADES , hand or rifle, with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0293	GRENADES , hand or rifle, with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0294	MINES with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0295	ROCKETS with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0296	SOUNDING DEVICES, EXPLOSIVE	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0297	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1.4G	II		0	E0		10	20
UN 0299	BOMBS, PHOTO-FLASH	1.3G	II		0	E0		10	Forbidden
UN 0300	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1.4G	II		0	E0		10	3
UN 0301	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1.4G (6.1) (8)	II		10	E0	75	Forbidden	20
UN 0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1.4G	II		0	E0		Forbidden	20
UN 0305	FLASH POWDER	1.3G	II	76	5	E0	75	Forbidden	Forbidden
UN 0306	TRACERS FOR AMMUNITION	1.4G	II		0	E0		10	20
UN 0312	CARTRIDGES, SIGNAL	1.4G	II		25	E0		10	20
UN 0313	SIGNALS, SMOKE	1.2G	II		0	E0	75	10	Forbidden
UN 0314	IGNITERS	1.2G	II		0	E0	75	10	Forbidden
UN 0315	IGNITERS	1.3G	II	86	0	E0	5000	100	100
UN 0316	FUZES, IGNITING	1.3G	II		0	E0		10	Forbidden
UN 0317	FUZES, IGNITING	1.4G	II		0	E0		10	20
UN 0318	GRENADES, PRACTICE , hand or rifle	1.3G	II		0	E0		10	Forbidden
UN 0319	PRIMERS, TUBULAR	1.3G	II		0	E0		10	Forbidden
UN 0320	PRIMERS, TUBULAR	1.4G	II		0	E0		10	20

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UN 0321	CARTRIDGES FOR WEAPONS with bursting charge	1.2E	II		0	E0	75	10	Forbidden
UN 0322	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1.2L	II		0	E0	75	Forbidden	Forbidden
UN 0323	CARTRIDGES, POWER DEVICE	1.4S	II	105	25	E0			
UN 0324	PROJECTILES with bursting charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0325	IGNITERS	1.4G	II	76, 86	0	E0		100	100
UN 0326	CARTRIDGES FOR WEAPONS, BLANK	1.1C	II		0	E0	75	10	Forbidden
UN 0327	CARTRIDGES FOR WEAPONS, BLANK; or CARTRIDGES, SMALL ARMS, BLANK	1.3C	II		0	E0		10	Forbidden
UN 0328	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1.2C	II		0	E0	75	10	Forbidden
UN 0329	TORPEDOES with bursting charge	1.1E	II		0	E0	75	10	Forbidden
UN 0330	TORPEDOES with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0331	EXPLOSIVE, BLASTING, TYPE B; or AGENT, BLASTING, TYPE B	1.5D	II	147	25	E0	1000	10	Forbidden
UN 0332	EXPLOSIVE, BLASTING, TYPE E; or AGENT, BLASTING, TYPE E	1.5D	II		25	E0	1000	10	Forbidden
UN 0333	FIREWORKS	1.1G	II	4	0	E0	75	10	Forbidden
UN 0334	FIREWORKS	1.2G	II	4	0	E0	75	10	Forbidden
UN 0335	FIREWORKS	1.3G	II	4, 76	25	E0		10	20
UN 0336	FIREWORKS	1.4G	II	5, 76	25	E0		10	20
UN 0337	FIREWORKS	1.4S	II	5, 76	25	E0			
UN 0338	CARTRIDGES FOR WEAPONS, BLANK; or CARTRIDGES, SMALL ARMS, BLANK	1.4C	II		25	E0		10	3
UN 0339	CARTRIDGES FOR WEAPONS, INERT PROJECTILE; or CARTRIDGES, SMALL ARMS	1.4C	II		0	E0		10	3
UN 0340	NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0341	NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0342	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	1.3C	II		0	E0		10	Forbidden
UN 0343	NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	1.3C	II		0	E0		10	Forbidden
UN 0344	PROJECTILES with bursting charge	1.4D	II		0	E0		10	3
UN 0345	PROJECTILES, inert with tracer	1.4S	II		0	E0			
UN 0346	PROJECTILES with burster or expelling charge	1.2D	II		0	E0	75	10	Forbidden
UN 0347	PROJECTILES with burster or expelling charge	1.4D	II		0	E0		10	3
UN 0348	CARTRIDGES FOR WEAPONS with bursting charge	1.4F	II		0	E0		Forbidden	Forbidden
UN 0349	ARTICLES, EXPLOSIVE, N.O.S.	1.4S	II	16, 76, 86	0	E0			100
UN 0350	ARTICLES, EXPLOSIVE, N.O.S.	1.4B	II	16	0	E0		10	100
UN 0351	ARTICLES, EXPLOSIVE, N.O.S.	1.4C	II	16	0	E0		10	3
UN 0352	ARTICLES, EXPLOSIVE, N.O.S.	1.4D	II	16	0	E0		10	3
UN 0353	ARTICLES, EXPLOSIVE, N.O.S.	1.4G	II	16	0	E0		10	20
UN 0354	ARTICLES, EXPLOSIVE, N.O.S.	1.1L	II	16	0	E0	75	Forbidden	Forbidden
UN 0355	ARTICLES, EXPLOSIVE, N.O.S.	1.2L	II	16	0	E0	75	Forbidden	Forbidden
UN 0356	ARTICLES, EXPLOSIVE, N.O.S.	1.3L	II	16	0	E0		Forbidden	Forbidden

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UN 0357	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1L	II	16	0	E0	75	Forbidden	Forbidden
UN 0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2L	II	16	0	E0	75	Forbidden	Forbidden
UN 0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3L	II	16	0	E0		Forbidden	Forbidden
UN 0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.1B	II	86	0	E0	5000	100	100
UN 0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1.4B	II	86	0	E0		100	100
UN 0362	AMMUNITION, PRACTICE	1.4G	II		0	E0		10	20
UN 0363	AMMUNITION, PROOF	1.4G	II		0	E0		10	20
UN 0364	DETONATORS FOR AMMUNITION	1.2B	II		0	E0	75	10	Forbidden
UN 0365	DETONATORS FOR AMMUNITION	1.4B	II		0	E0		10	
UN 0366	DETONATORS FOR AMMUNITION	1.4S	II	105	0	E0			
UN 0367	FUZES, DETONATING	1.4S	II	86	0	E0			100
UN 0368	FUZES, IGNITING	1.4S	II	86	0	E0			100
UN 0369	WARHEADS, ROCKET with bursting charge	1.1F	II		0	E0	75	Forbidden	Forbidden
UN 0370	WARHEADS, ROCKET with burster or expelling charge	1.4D	II		0	E0		10	3
UN 0371	WARHEADS, ROCKET with burster or expelling charge	1.4F	II		0	E0		Forbidden	Forbidden
UN 0372	GRENADES, PRACTICE, hand or rifle	1.2G	II		0	E0	75	10	Forbidden
UN 0373	SIGNAL DEVICES, HAND	1.4S	II		25	E0			
UN 0374	SOUNDING DEVICES, EXPLOSIVE	1.1D	II		0	E0	75	10	Forbidden
UN 0375	SOUNDING DEVICES, EXPLOSIVE	1.2D	II		0	E0	75	10	Forbidden
UN 0376	PRIMERS, TUBULAR	1.4S	II		0	E0			
UN 0377	PRIMERS, CAP TYPE	1.1B	II		0	E0	75	10	Forbidden
UN 0378	PRIMERS, CAP TYPE	1.4B	II		0	E0		10	3
UN 0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1.4C	II		25	E0		10	3
UN 0380	ARTICLES, PYROPHORIC	1.2L	II		0	E0	75	Forbidden	Forbidden
UN 0381	CARTRIDGES, POWER DEVICE	1.2C	II		25	E0	75	10	Forbidden
UN 0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.2B	II	16	0	E0	75	10	Forbidden
UN 0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4B	II	16	0	E0		10	
UN 0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.4S	II	16	0	E0			
UN 0385	5-NITROBENZOTRIAZOL	1.1D	II		0	E0	75	10	Forbidden
UN 0386	TRINITROBENZENESULFONIC ACID; or TRINITROBENZENESULPHONIC ACID	1.1D	II		0	E0	75	10	Forbidden
UN 0387	TRINITROFLUORENONE	1.1D	II		0	E0	75	10	Forbidden
UN 0388	TNT AND HEXANITROSTILBENE MIXTURE; TNT AND TRINITROBENZENE MIXTURE; TRINITROTOLUENE AND HEXANITROSTILBENE MIXTURE; or TRINITROTOLUENE AND TRINITROBENZENE MIXTURE	1.1D	II		0	E0	75	10	Forbidden
UN 0389	TNT MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE; or TRINITROTOLUENE MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1.1D	II		0	E0	75	10	Forbidden
UN 0390	TRITONAL	1.1D	II		0	E0	75	10	Forbidden

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UN 0391	<p>CYCLONITE AND CYCLOTETRAMETHYLENE-TETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLONITE and CYCLOTETRAMETHYLENE-TETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>CYCLONITE AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLONITE and HMX MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>CYCLONITE and OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLONITE and OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND HMX MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>CYCLOTRIMETHYLENETRINITRAMINE AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>HEXOGEN AND CYCLOTETRAMETHYLENE-TETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>HEXOGEN AND CYCLOTETRAMETHYLENE-TETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>HEXOGEN AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>HEXOGEN AND HMX MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>HEXOGEN AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>HEXOGEN AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass;</p> <p>RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass;</p> <p>RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass;</p>	1.1D	II	79	0	E0	75	10	Forbidden

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UN 0391 <i>continued</i>	RDX AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass; RDX AND HMX MIXTURE, WETTED with not less than 15% water, by mass; RDX AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass; or RDX AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	1.1D	II	79	0	E0	75	10	Forbidden
UN 0392	HEXANITROSTILBENE	1.1D	II		0	E0	75	10	Forbidden
UN 0393	HEXOTONAL	1.1D	II		0	E0	75	10	Forbidden
UN 0394	STYPHNIC ACID, WETTED with not less than 20% water, or mixture of alcohol and water, by mass; or TRINITRORESORCINOL, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0395	ROCKET MOTORS, LIQUID FUELLED	1.2J	II		0	E0	75	Forbidden	Forbidden
UN 0396	ROCKET MOTORS, LIQUID FUELLED	1.3J	II		0	E0		Forbidden	Forbidden
UN 0397	ROCKETS, LIQUID FUELLED with bursting charge	1.1J	II		0	E0	75	Forbidden	Forbidden
UN 0398	ROCKETS, LIQUID FUELLED with bursting charge	1.2J	II		0	E0	75	Forbidden	Forbidden
UN 0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.1J	II		0	E0	75	Forbidden	Forbidden
UN 0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1.2J	II		0	E0	75	Forbidden	Forbidden
UN 0401	DIPICRYL SULFIDE , dry or wetted with less than 10% water, by mass; or DIPICRYL SULPHIDE , dry or wetted with less than 10% water, by mass	1.1D	II	10	5	E0	75	10	Forbidden
UN 0402	AMMONIUM PERCHLORATE	1.1D	II		5	E0	75	10	Forbidden
UN 0403	FLARES, AERIAL	1.4G	II		25	E0		10	20
UN 0404	FLARES, AERIAL	1.4S	II		25	E0			
UN 0405	CARTRIDGES, SIGNAL	1.4S	II		25	E0			
UN 0406	DINITROBENZENE	1.3C	II		10	E0		10	Forbidden
UN 0407	TETRAZOL-1-ACETIC ACID	1.4C	II		0	E0		10	Forbidden
UN 0408	FUZES, DETONATING with protective features	1.1D	II		0	E0	75	10	Forbidden
UN 0409	FUZES, DETONATING with protective features	1.2D	II		0	E0	75	10	Forbidden
UN 0410	FUZES, DETONATING with protective features	1.4D	II		0	E0		10	Forbidden
UN 0411	PENTAERYTHRITE TETRANITRATE with not less than 7% wax, by mass; PENTAERYTHRITOL TETRANITRATE with not less than 7% wax, by mass; or PETN with not less than 7% wax, by mass	1.1D	II		0	E0	75	10	Forbidden
UN 0412	CARTRIDGES FOR WEAPONS with bursting charge	1.4E	II		0	E0		10	3
UN 0413	CARTRIDGES FOR WEAPONS, BLANK	1.2C	II		0	E0	75	10	Forbidden
UN 0414	CHARGES, PROPELLING, FOR CANNON	1.2C	II		0	E0	75	10	Forbidden
UN 0415	CHARGES, PROPELLING	1.2C	II		0	E0	75	10	Forbidden
UN 0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE; or CARTRIDGES, SMALL ARMS	1.3C	II		0	E0		10	Forbidden
UN 0418	FLARES, SURFACE	1.1G	II		0	E0	75	10	Forbidden
UN 0419	FLARES, SURFACE	1.2G	II		0	E0	75	10	Forbidden
UN 0420	FLARES, AERIAL	1.1G	II		0	E0	75	10	Forbidden
UN 0421	FLARES, AERIAL	1.2G	II		0	E0	75	10	Forbidden

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UN 0424	PROJECTILES, inert with tracer	1.3G	II		0	E0		10	Forbidden
UN 0425	PROJECTILES, inert with tracer	1.4G	II		0	E0		10	20
UN 0426	PROJECTILES with burster or expelling charge	1.2F	II		0	E0	75	Forbidden	Forbidden
UN 0427	PROJECTILES with burster or expelling charge	1.4F	II		0	E0		Forbidden	Forbidden
UN 0428	ARTICLES, PYROTECHNIC for technical purposes	1.1G	II	4	0	E0	75	10	Forbidden
UN 0429	ARTICLES, PYROTECHNIC for technical purposes	1.2G	II	4	0	E0	75	10	Forbidden
UN 0430	ARTICLES, PYROTECHNIC for technical purposes	1.3G	II	4, 76	25	E0		10	Forbidden
UN 0431	ARTICLES, PYROTECHNIC for technical purposes	1.4G	II	5, 76	25	E0		10	20
UN 0432	ARTICLES, PYROTECHNIC for technical purposes	1.4S	II	5, 76	25	E0			
UN 0433	POWDER CAKE, WETTED with not less than 17% alcohol, by mass; or POWDER PASTE, WETTED with not less than 17% alcohol, by mass	1.1C	II	79	0	E0	75	10	Forbidden
UN 0434	PROJECTILES with burster or expelling charge	1.2G	II		0	E0	75	10	Forbidden
UN 0435	PROJECTILES with burster or expelling charge	1.4G	II		0	E0		10	20
UN 0436	ROCKETS with expelling charge	1.2C	II		0	E0	75	10	Forbidden
UN 0437	ROCKETS with expelling charge	1.3C	II		0	E0		10	Forbidden
UN 0438	ROCKETS with expelling charge	1.4C	II		0	E0		10	3
UN 0439	CHARGES, SHAPED, without detonator	1.2D	II		25	E0	75	10	Forbidden
UN 0440	CHARGES, SHAPED, without detonator	1.4D	II		25	E0		10	3
UN 0441	CHARGES, SHAPED, without detonator	1.4S	II	105	25	E0			
UN 0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.1D	II		25	E0	75	10	Forbidden
UN 0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.2D	II		25	E0	75	10	Forbidden
UN 0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4D	II		25	E0		10	3
UN 0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1.4S	II	105	25	E0			
UN 0446	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.4C	II		0	E0		10	3
UN 0447	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1.3C	II		0	E0		10	Forbidden
UN 0448	5-MERCAPTOTETRAZOL-1-ACETIC ACID	1.4C	II		0	E0		10	Forbidden
UN 0449	TORPEDOES, LIQUID FUELLED with or without bursting charge	1.1J	II		0	E0	75	Forbidden	Forbidden
UN 0450	TORPEDOES, LIQUID FUELLED with inert head	1.3J	II		0	E0		Forbidden	Forbidden
UN 0451	TORPEDOES with bursting charge	1.1D	II		0	E0	75	10	Forbidden
UN 0452	GRENADES, PRACTICE, hand or rifle	1.4G	II		0	E0		10	Forbidden
UN 0453	ROCKETS, LINE-THROWING	1.4G	II		25	E0		10	20
UN 0454	IGNITERS	1.4S	II	76, 86	0	E0			100
UN 0455	DETONATORS, NON-ELECTRIC for blasting	1.4S	II	86, 105	0	E0			100
UN 0456	DETONATORS, ELECTRIC for blasting	1.4S	II	86, 105	0	E0			100
UN 0457	CHARGES, BURSTING, PLASTICS BONDED	1.1D	II		0	E0	75	10	Forbidden
UN 0458	CHARGES, BURSTING, PLASTICS BONDED	1.2D	II		0	E0	75	10	Forbidden
UN 0459	CHARGES, BURSTING, PLASTICS BONDED	1.4D	II		0	E0		10	3
UN 0460	CHARGES, BURSTING, PLASTICS BONDED	1.4S	II	105	0	E0			
UN 0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1.1B	II	16	0	E0	75	10	Forbidden

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UN 0462	ARTICLES, EXPLOSIVE, N.O.S.	1.1C	II	16	0	E0	75	10	Forbidden
UN 0463	ARTICLES, EXPLOSIVE, N.O.S.	1.1D	II	16	0	E0	75	10	Forbidden
UN 0464	ARTICLES, EXPLOSIVE, N.O.S.	1.1E	II	16	0	E0	75	10	Forbidden
UN 0465	ARTICLES, EXPLOSIVE, N.O.S.	1.1F	II	16	0	E0	75	Forbidden	Forbidden
UN 0466	ARTICLES, EXPLOSIVE, N.O.S.	1.2C	II	16	0	E0	75	10	Forbidden
UN 0467	ARTICLES, EXPLOSIVE, N.O.S.	1.2D	II	16	0	E0	75	10	Forbidden
UN 0468	ARTICLES, EXPLOSIVE, N.O.S.	1.2E	II	16	0	E0	75	10	Forbidden
UN 0469	ARTICLES, EXPLOSIVE, N.O.S.	1.2F	II	16	0	E0	75	Forbidden	Forbidden
UN 0470	ARTICLES, EXPLOSIVE, N.O.S.	1.3C	II	16	0	E0		10	Forbidden
UN 0471	ARTICLES, EXPLOSIVE, N.O.S.	1.4E	II	16	0	E0		10	3
UN 0472	ARTICLES, EXPLOSIVE, N.O.S.	1.4F	II	16	0	E0		Forbidden	Forbidden
UN 0473	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1A	II	16	0	E0	75	Forbidden	Forbidden
UN 0474	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1C	II	16	0	E0	75	10	Forbidden
UN 0475	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1D	II	16	0	E0	75	10	Forbidden
UN 0476	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1G	II	16	0	E0	75	Forbidden	Forbidden
UN 0477	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3C	II	16	0	E0		10	Forbidden
UN 0478	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3G	II	16	0	E0		Forbidden	Forbidden
UN 0479	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4C	II	16	0	E0		10	3
UN 0480	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4D	II	16	0	E0		10	3
UN 0481	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4S	II	16	0	E0			20
UN 0482	SUBSTANCES, EVI, N.O.S.; or SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE, N.O.S.	1.5D	II	16	0	E0	1000	10	Forbidden
UN 0483	CYCLONITE, DESENSITIZED; CYCLOTRIMETHYLENETRINITRAMINE, DESENSITIZED; HEXOGEN, DESENSITIZED; or RDX, DESENSITIZED	1.1D	II		0	E0	75	10	Forbidden
UN 0484	CYCLOTETRAMETHYLENETETRANITRAMINE, DESENSITIZED; HMX, DESENSITIZED; or OCTOGEN, DESENSITIZED	1.1D	II		0	E0	75	10	Forbidden
UN 0485	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4G	II	16	0	E0		Forbidden	3
UN 0486	ARTICLES, EEI; or ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE	1.6N	II		0	E0		50	Forbidden
UN 0487	SIGNALS, SMOKE	1.3G	II		10	E0		10	20
UN 0488	AMMUNITION, PRACTICE	1.3G	II		0	E0		10	Forbidden
UN 0489	DINGU; or DINITROGLYCOLURIL	1.1D	II		0	E0	75	10	Forbidden
UN 0490	NITROTRIAZOLONE; or NTO	1.1D	II		0	E0	75	10	Forbidden
UN 0491	CHARGES, PROPELLING	1.4C	II		0	E0		10	3
UN 0492	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.3G	II		10	E0		10	Forbidden
UN 0493	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1.4G	II		25	E0		10	20
UN 0494	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1.4D	II		0	E0		10	3
UN 0495	PROPELLANT, LIQUID	1.3C	II		0	E0		10	Forbidden
UN 0496	OCTONAL	1.1D	II		0	E0	75	10	Forbidden
UN 0497	PROPELLANT, LIQUID	1.1C	II		0	E0	75	10	Forbidden
UN 0498	PROPELLANT, SOLID	1.1C	II		0	E0	75	10	Forbidden
UN 0499	PROPELLANT, SOLID	1.3C	II	76	25	E0		10	Forbidden

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UN 0500	DETONATOR ASSEMBLIES, NON-ELECTRIC, for blasting	1.4S	II	86, 105	0	E0			100
UN 0501	PROPELLANT, SOLID	1.4C	II		0	E0		10	Forbidden
UN 0502	ROCKETS with inert head	1.2C	II		0	E0	75	10	Forbidden
UN 0503	SAFETY DEVICES, PYROTECHNIC	1.4G	II	25, 135	25	E0		50	Forbidden
UN 0504	1H-TETRAZOLE	1.1D	II		0	E0	75	10	Forbidden
UN 0505	SIGNALS, DISTRESS, vessel	1.4G	II		25	E0		10	20
UN 0506	SIGNALS, DISTRESS, vessel	1.4S	II		25	E0			
UN 0507	SIGNALS, SMOKE	1.4S	II		25	E0			
UN 0508	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	1.3C	II		0	E0		10	Forbidden
UN 0509	POWDER, SMOKELESS	1.4C	II		25	E0		10	Forbidden
UN 0510	ROCKET MOTORS	1.4C	II		25	E0		10	3
UN 1001	ACETYLENE, DISSOLVED	2.1		38	0	E0		75	Forbidden
UN 1002	AIR, COMPRESSED, with not more than 23.5% oxygen, by volume	2.2			0.125 L	E1			75 L
UN 1003	AIR, REFRIGERATED LIQUID	2.2 (5.1)			0.125 L	E0	3000	Forbidden	Forbidden
UN 1005	AMMONIA, ANHYDROUS; or ANHYDROUS AMMONIA	2.3 (8)		23, 158	0	E0	3000	Forbidden	Forbidden
UN 1006	ARGON, COMPRESSED	2.2		148	0.125 L	E1			75 L
UN 1008	BORON TRIFLUORIDE	2.3 (8)		23, 145	0	E0	50	Forbidden	Forbidden
UN 1009	BROMOTRIFLUOROMETHANE; or REFRIGERANT GAS R 13B1	2.2			0.125 L	E1			75 L
UN 1010	BUTADIENES, STABILIZED; or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes	2.1		155	0.125 L	E0	3000		Forbidden
UN 1011	BUTANE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1012	BUTYLENE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1013	CARBON DIOXIDE	2.2		148	0.125 L	E1			75 L
UN 1016	CARBON MONOXIDE, COMPRESSED	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 1017	CHLORINE	2.3 (5.1) (8)		23	0	E0	500	Forbidden	Forbidden
UN 1018	CHLORODIFLUOROMETHANE; or REFRIGERANT GAS R 22	2.2			0.125 L	E1			75 L
UN 1020	CHLOROPENTAFLUOROETHANE; or REFRIGERANT GAS R 115	2.2			0.125 L	E1			75 L
UN 1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE; or REFRIGERANT GAS R 124	2.2			0.125 L	E1			75 L
UN 1022	CHLOROTRIFLUOROMETHANE; or REFRIGERANT GAS R 13	2.2			0.125 L	E1			75 L
UN 1023	COAL GAS, COMPRESSED	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 1026	CYANOGEN	2.3 (2.1)		23, 28	0	E0	25	Forbidden	Forbidden
UN 1027	CYCLOPROPANE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1028	DICHLORODIFLUOROMETHANE; or REFRIGERANT GAS R 12	2.2			0.125 L	E1			75 L
UN 1029	DICHLOROFLUOROMETHANE; or REFRIGERANT GAS R 21	2.2			0.125 L	E1			75 L
UN 1030	1,1-DIFLUOROETHANE; or REFRIGERANT GAS R 152a	2.1			0.125 L	E0	3000		Forbidden

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UN 1032	DIMETHYLAMINE, ANHYDROUS	2.1			0	E0	3000	Forbidden	Forbidden
UN 1033	DIMETHYL ETHER	2.1			0.125 L	E0	3000		Forbidden
UN 1035	ETHANE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1036	ETHYLAMINE	2.1			0	E0	3000	Forbidden	Forbidden
UN 1037	ETHYL CHLORIDE	2.1			0	E0	3000		Forbidden
UN 1038	ETHYLENE, REFRIGERATED LIQUID	2.1			0	E0	3000	Forbidden	Forbidden
UN 1039	ETHYL METHYL ETHER	2.1			0	E0	3000		Forbidden
UN 1040	ETHYLENE OXIDE; or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50°C	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.1			0	E0	3000		Forbidden
UN 1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2.2			0.125 L	E0		Forbidden	Forbidden
UN 1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2.2		109	0.125 L	E0			75 L
UN 1045	FLUORINE, COMPRESSED	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 1046	HELIUM, COMPRESSED	2.2		148	0.125 L	E1			75 L
UN 1048	HYDROGEN BROMIDE, ANHYDROUS	2.3 (8)		23	0	E0	500	Forbidden	Forbidden
UN 1049	HYDROGEN, COMPRESSED	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3 (8)		23, 38	0	E0	500	Forbidden	Forbidden
UN 1051	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 1052	HYDROGEN FLUORIDE, ANHYDROUS	8 (6.1)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1053	HYDROGEN SULFIDE; or HYDROGEN SULPHIDE	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 1055	ISOBUTYLENE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1056	KRYPTON, COMPRESSED	2.2		148	0.125 L	E1			75 L
UN 1057	LIGHTER REFILLS containing flammable gas and capable of passing the tests specified in the Lighters Regulations; or LIGHTERS containing flammable gas and capable of passing the tests specified in the Lighters Regulations	2.1			0.125 L	E0			1 L
UN 1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air	2.2		38	0.125 L	E1			75 L
UN 1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	2.1		155	0.125 L	E0	3000		Forbidden
UN 1061	METHYLAMINE, ANHYDROUS	2.1			0.125 L	E0	3000		Forbidden
UN 1062	METHYL BROMIDE with not more than 2% chloropicrin	2.3		23	0	E0	50	Forbidden	Forbidden
UN 1063	METHYL CHLORIDE; or REFRIGERANT GAS R 40	2.1			0.125 L	E0	3000	Forbidden	5 kg
UN 1064	METHYL MERCAPTAN	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 1065	NEON, COMPRESSED	2.2		148	0.125 L	E1			75 L
UN 1066	NITROGEN, COMPRESSED	2.2		148	0.125 L	E1			75 L
UN 1067	DINITROGEN TETROXIDE; or NITROGEN DIOXIDE	2.3 (5.1) (8)		23	0	E0	25	Forbidden	Forbidden
UN 1069	NITROSYL CHLORIDE	2.3 (8)		23	0	E0	25	Forbidden	Forbidden
UN 1070	NITROUS OXIDE	2.2 (5.1)			0	E0	3000		75 L

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UN 1071	OIL GAS, COMPRESSED	2.3 (2.1)		23	0	E0	25	Forbidden	Forbidden
UN 1072	OXYGEN, COMPRESSED	2.2 (5.1)			0.125 L	E0	3000		75 L
UN 1073	OXYGEN, REFRIGERATED LIQUID	2.2 (5.1)		87	0	E0	3000	450	Forbidden
UN 1075	LIQUEFIED PETROLEUM GASES; or PETROLEUM GASES, LIQUEFIED	2.1			0.125 L	E0	3000	110	Forbidden
UN 1076	PHOSGENE	2.3 (8)		23	0	E0	25	Forbidden	Forbidden
UN 1077	PROPYLENE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1078	REFRIGERANT GAS, N.O.S.	2.2		16	0.125 L	E1			75 L
UN 1079	SULFUR DIOXIDE; or SULPHUR DIOXIDE	2.3 (8)		23	0	E0	500	Forbidden	Forbidden
UN 1080	SULFUR HEXAFLUORIDE; or SULPHUR HEXAFLUORIDE	2.2			0.125 L	E1			75 L
UN 1081	TETRAFLUROETHYLENE, STABILIZED	2.1		38, 155	0.125 L	E0	3000	Forbidden	Forbidden
UN 1082	TRIFLUOROCHLOROETHYLENE, STABILIZED; or REFRIGERANT GAS R 1113	2.3 (2.1)		23, 155	0	E0	500	Forbidden	Forbidden
UN 1083	TRIMETHYLAMINE, ANHYDROUS	2.1			0.125 L	E0	3000		Forbidden
UN 1085	VINYL BROMIDE, STABILIZED	2.1		155	0.125 L	E0	3000		Forbidden
UN 1086	VINYL CHLORIDE, STABILIZED	2.1		155	0.125 L	E0	3000		Forbidden
UN 1087	VINYL METHYL ETHER, STABILIZED	2.1		155	0.125 L	E0	3000		Forbidden
UN 1088	ACETAL	3	II		1 L	E2		Forbidden	5 L
UN 1089	ACETALDEHYDE	3	I		0	E0	3000	Forbidden	Forbidden
UN 1090	ACETONE	3	II		1 L	E2		Forbidden	5 L
UN 1091	ACETONE OILS	3	II		1 L	E2			5 L
UN 1092	ACROLEIN, STABILIZED	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 1093	ACRYLONITRILE, STABILIZED	3 (6.1)	I	155	0	E0	1000	Forbidden	Forbidden
UN 1098	ALLYL ALCOHOL	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1099	ALLYL BROMIDE	3 (6.1)	I		0	E0	1000		Forbidden
UN 1100	ALLYL CHLORIDE	3 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 1104	AMYL ACETATES	3	III		5 L	E1			60 L
UN 1105	PENTANOLS	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1106	AMYLAMINE	3 (8)	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1107	AMYL CHLORIDE	3	II		1 L	E2			5 L
UN 1108	<i>n</i> -AMYLENE; or 1-PENTENE	3	I		0	E3		Forbidden	1 L
UN 1109	AMYL FORMATES	3	III		5 L	E1			60 L
UN 1110	<i>n</i> -AMYL METHYL KETONE	3	III		5 L	E1			60 L
UN 1111	AMYL MERCAPTAN	3	II		1 L	E2			5 L
UN 1112	AMYL NITRATES	3	III		5 L	E1			60 L
UN 1113	AMYL NITRITES	3	II		1 L	E2		Forbidden	5 L
UN 1114	BENZENE	3	II		1 L	E2			5 L
UN 1120	BUTANOLS	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1123	BUTYL ACETATES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1125	<i>n</i> -BUTYLAMINE	3 (8)	II		1 L	E2			1 L
UN 1126	1-BROMOBUTANE	3	II		1 L	E2			5 L

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UN 1127	CHLOROBUTANES	3	II		1 L	E2			5 L
UN 1128	<i>n</i> -BUTYL FORMATE	3	II		1 L	E2			5 L
UN 1129	BUTYRALDEHYDE	3	II		1 L	E2			5 L
UN 1130	CAMPHOR OIL	3	III		5 L	E1			60 L
UN 1131	CARBON DISULFIDE; or CARBON DISULPHIDE	3 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 1133	ADHESIVES containing flammable liquid	3	I II III		0.5 L 5 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1134	CHLOROBENZENE	3	III		5 L	E1			60 L
UN 1135	ETHYLENE CHLOROHRIDRIN	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1136	COAL TAR DISTILLATES, FLAMMABLE	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	I II III		0.5 L 5 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1143	CROTONALDEHYDE; or CROTONALDEHYDE, STABILIZED	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 1144	CROTONYLENE	3	I		0	E3		Forbidden	1 L
UN 1145	CYCLOHEXANE	3	II		1 L	E2		Forbidden	5 L
UN 1146	CYCLOPENTANE	3	II		1 L	E2		Forbidden	5 L
UN 1147	DECAHYDRONAPHTHALENE	3	III		5 L	E1			60 L
UN 1148	DIACETONE ALCOHOL	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1149	DIBUTYL ETHERS	3	III		5 L	E1			60 L
UN 1150	1,2-DICHLOROETHYLENE	3	II		1 L	E2			5 L
UN 1152	DICHLOROPENTANES	3	III		5 L	E1			60 L
UN 1153	ETHYLENE GLYCOL DIETHYL ETHER	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1154	DIETHYLAMINE	3 (8)	II		1 L	E2		Forbidden	1 L
UN 1155	DIETHYL ETHER; or ETHYL ETHER	3	I		0	E3		Forbidden	1 L
UN 1156	DIETHYL KETONE	3	II		1 L	E2			5 L
UN 1157	DIISOBUTYL KETONE	3	III		5 L	E1			60 L
UN 1158	DIISOPROPYLAMINE	3 (8)	II		1 L	E2			1 L
UN 1159	DIISOPROPYL ETHER	3	II		1 L	E2		Forbidden	5 L
UN 1160	DIMETHYLAMINE, AQUEOUS SOLUTION	3 (8)	II		1 L	E2			1 L
UN 1161	DIMETHYL CARBONATE	3	II		1 L	E2			5 L
UN 1162	DIMETHYLDICHLOROSILANE	3 (8)	II		0	E0	1000		1 L
UN 1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1164	DIMETHYL SULFIDE; or DIMETHYL SULPHIDE	3	II		1 L	E2		Forbidden	5 L
UN 1165	DIOXANE	3	II		1 L	E2			5 L
UN 1166	DIOXOLANE	3	II		1 L	E2			5 L
UN 1167	DIVINYL ETHER, STABILIZED	3	I	155	0	E3		Forbidden	1 L
UN 1169	EXTRACTS, AROMATIC, LIQUID	3	II III		5 L 5 L	E2 E1			5 L 60 L

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UN 1170	ETHANOL with more than 24% ethanol, by volume; ETHANOL SOLUTION with more than 24% ethanol, by volume; ETHYL ALCOHOL with more than 24% ethanol, by volume; or ETHYL ALCOHOL SOLUTION with more than 24% ethanol, by volume	3	II III	150 150	1 L 5 L	E2 E1			5 L 60 L
UN 1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	III		5 L	E1			60 L
UN 1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	III		5 L	E1			60 L
UN 1173	ETHYL ACETATE	3	II		1 L	E2			5 L
UN 1175	ETHYLBENZENE	3	II		1 L	E2			5 L
UN 1176	ETHYL BORATE	3	II		1 L	E2			5 L
UN 1177	2-ETHYLBUTYL ACETATE	3	III		5 L	E1			60 L
UN 1178	2-ETHYLBUTYRALDEHYDE	3	II		1 L	E2			5 L
UN 1179	ETHYL BUTYL ETHER	3	II		1 L	E2			5 L
UN 1180	ETHYL BUTYRATE	3	III		5 L	E1			60 L
UN 1181	ETHYL CHLOROACETATE	6.1 (3)	II		0.1 L	E4	1000		5 L
UN 1182	ETHYL CHLOROFORMATE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1183	ETHYLDICHLOROSILANE	4.3 (3) (8)	I		0	E0	1000	Forbidden	Forbidden
UN 1184	ETHYLENE DICHLORIDE	3 (6.1)	II		1 L	E2			1 L
UN 1185	ETHYLENEIMINE, STABILIZED	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	III		5 L	E1			60 L
UN 1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	III		5 L	E1			60 L
UN 1190	ETHYL FORMATE	3	II		1 L	E2		Forbidden	5 L
UN 1191	OCTYL ALDEHYDES	3	III		5 L	E1			60 L
UN 1192	ETHYL LACTATE	3	III		5 L	E1			60 L
UN 1193	ETHYL METHYL KETONE; or METHYL ETHYL KETONE	3	II		1 L	E2			5 L
UN 1194	ETHYL NITRITE SOLUTION	3 (6.1)	I	38, 68	0	E0	1000	Forbidden	Forbidden
UN 1195	ETHYL PROPIONATE	3	II		1 L	E2			5 L
UN 1196	ETHYLTRICHLOROSILANE	3 (8)	II		0	E0	3000		1 L
UN 1197	EXTRACTS, FLAVOURING, LIQUID	3	II III		5 L 5 L	E2 E1			5 L 60 L
UN 1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3 (8)	III		5 L	E1			5 L
UN 1199	FURALDEHYDES	6.1 (3)	II		0.1 L	E4	1000		5 L
UN 1201	FUSEL OIL	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1202	DIESEL FUEL; GAS OIL; or HEATING OIL, LIGHT	3	III	88, 150	30 L	E1			60 L
UN 1203	GASOLINE; MOTOR SPIRIT; or PETROL	3	II	17, 88, 98, 150	30 L	E2		100 L	5 L
UN 1204	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	3	II	38	1 L	E0			5 L
UN 1206	HEPTANES	3	II		1 L	E2			5 L
UN 1207	HEXALDEHYDE	3	III		5 L	E1			60 L
UN 1208	HEXANES	3	II		1 L	E2		Forbidden	5 L

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UN 1210	PRINTING INK , flammable, with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass; or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound) flammable, with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	3	I II III	59, 142 59, 142 59, 142	0.5 L 5 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1212	ISOBUTANOL ; or ISOBUTYL ALCOHOL	3	III		5 L	E1			60 L
UN 1213	ISOBUTYL ACETATE	3	II		1 L	E2			5 L
UN 1214	ISOBUTYLAMINE	3 (8)	II		1 L	E2			1 L
UN 1216	ISOOCTENES	3	II		1 L	E2			5 L
UN 1218	ISOPRENE, STABILIZED	3	I	155	0	E3		Forbidden	1 L
UN 1219	ISOPROPANOL ; or ISOPROPYL ALCOHOL	3	II		1 L	E2			5 L
UN 1220	ISOPROPYL ACETATE	3	II		1 L	E2			5 L
UN 1221	ISOPROPYLAMINE	3 (8)	I		0	E0		Forbidden	0.5 L
UN 1222	ISOPROPYL NITRATE	3	II	38	1 L	E2		Forbidden	5 L
UN 1223	KEROSENE	3	III		5 L	E1			60 L
UN 1224	KETONES, LIQUID, N.O.S.	3	II III	16 16	1 L 5 L	E2 E1			5 L 60 L
UN 1228	MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S. ; or MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	II III	16 16	1 L 5 L	E0 E1	1000		Forbidden 5 L
UN 1229	MESITYL OXIDE	3	III		5 L	E1			60 L
UN 1230	METHANOL	3 (6.1)	II	43	1 L	E2			1 L
UN 1231	METHYL ACETATE	3	II		1 L	E2			5 L
UN 1233	METHYLAMYL ACETATE	3	III		5 L	E1			60 L
UN 1234	METHYLAL	3	II		1 L	E2		Forbidden	5 L
UN 1235	METHYLAMINE, AQUEOUS SOLUTION	3 (8)	II		1 L	E2		Forbidden	1 L
UN 1237	METHYL BUTYRATE	3	II		1 L	E2			5 L
UN 1238	METHYL CHLOROFORMATE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1239	METHYL CHLOROMETHYL ETHER	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1242	METHYLDICHLOROSILANE	4.3 (3) (8)	I		0	E0	1000	Forbidden	Forbidden
UN 1243	METHYL FORMATE	3	I		0	E3		Forbidden	1 L
UN 1244	METHYLHYDRAZINE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1245	METHYL ISOBUTYL KETONE	3	II		1 L	E2			5 L
UN 1246	METHYL ISOPROPENYL KETONE, STABILIZED	3	II	155	1 L	E2			5 L
UN 1247	METHYL METHACRYLATE MONOMER, STABILIZED	3	II	155	1 L	E2			5 L
UN 1248	METHYL PROPIONATE	3	II		1 L	E2			5 L
UN 1249	METHYL PROPYL KETONE	3	II		1 L	E2			5 L
UN 1250	METHYLTRICHLOROSILANE	3 (8)	II		0	E0	1000		1 L
UN 1251	METHYL VINYL KETONE, STABILIZED	6.1 (3) (8)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 1259	NICKEL CARBONYL	6.1 (3)	I	23, 38	0	E0	1000	Forbidden	Forbidden
UN 1261	NITROMETHANE	3	II	38	1 L	E0			Forbidden

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UN 1262	OCTANES	3	II		1 L	E2			5 L
UN 1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass; or PAINT RELATED MATERIAL (including paint thinning or reducing compound) with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	3	I II III	59, 142 59, 142 59, 142	0.5 L 5 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1264	PARALDEHYDE	3	III		5 L	E1			60 L
UN 1265	PENTANES , liquid	3	I II		0 1 L	E3 E2		Forbidden Forbidden	1 L 5 L
UN 1266	PERFUMERY PRODUCTS with flammable solvents and with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	3	II III	59 59	5 L 5 L	E2 E1			15 L 60 L
UN 1267	PETROLEUM CRUDE OIL	3	I II III	92, 106, 150 92, 106, 150 92, 106, 150	0.5 L 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1268	PETROLEUM DISTILLATES, N.O.S. ; or PETROLEUM PRODUCTS, N.O.S.	3	I II III	92, 150 91, 92, 150 91, 92, 150	0.5 L 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1272	PINE OIL	3	III		5 L	E1			60 L
UN 1274	n-PROPANOL ; or PROPYL ALCOHOL, NORMAL	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1275	PROPIONALDEHYDE	3	II		1 L	E2		Forbidden	5 L
UN 1276	n-PROPYL ACETATE	3	II		1 L	E2			5 L
UN 1277	PROPYLAMINE	3 (8)	II		1 L	E2		Forbidden	1 L
UN 1278	1-CHLOROPROPANE	3	II		1 L	E0		Forbidden	Forbidden
UN 1279	1,2-DICHLOROPROPANE	3	II		1 L	E2			5 L
UN 1280	PROPYLENE OXIDE	3	I		0	E3		Forbidden	1 L
UN 1281	PROPYL FORMATES	3	II		1 L	E2			5 L
UN 1282	PYRIDINE	3	II		1 L	E2			5 L
UN 1286	ROSIN OIL	3	II III		5 L 5 L	E2 E1			5 L 60 L
UN 1287	RUBBER SOLUTION	3	II III		5 L 5 L	E2 E1			5 L 60 L
UN 1288	SHALE OIL	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1289	SODIUM METHYLATE SOLUTION in alcohol	3 (8)	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1292	TETRAETHYL SILICATE	3	III		5 L	E1			60 L
UN 1293	TINCTURES, MEDICINAL	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1294	TOLUENE	3	II		1 L	E2			5 L
UN 1295	TRICHLOROSILANE	4.3 (3) (8)	I		0	E0	1000	Forbidden	Forbidden

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UN 1296	TRIETHYLAMINE	3 (8)	II		1 L	E2			1 L
UN 1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3 (8)	I II III		0 1 L 5 L	E0 E2 E1		Forbidden	0.5 L 1 L 5 L
UN 1298	TRIMETHYLCHLOROSILANE	3 (8)	II		0	E0	1000	Forbidden	1 L
UN 1299	TURPENTINE	3	III		5 L	E1			60 L
UN 1300	TURPENTINE SUBSTITUTE	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1301	VINYL ACETATE, STABILIZED	3	II	155	1 L	E2			5 L
UN 1302	VINYL ETHYL ETHER, STABILIZED	3	I	155	0	E3		Forbidden	1 L
UN 1303	VINYLDENE CHLORIDE, STABILIZED	3	I	155	0	E3		Forbidden	1 L
UN 1304	VINYL ISOBUTYL ETHER, STABILIZED	3	II	155	1 L	E2			5 L
UN 1305	VINYLTRICHLOROSILANE	3 (8)	II		0	E0			1 L
UN 1306	WOOD PRESERVATIVES, LIQUID	3	II III		5 L 5 L	E2 E1			5 L 60 L
UN 1307	XYLENES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3	I II III	38 38	0 1 L 5 L	E0 E2 E1		Forbidden	Forbidden 5 L 60 L
UN 1309	ALUMINUM POWDER, COATED	4.1	II III		1 kg 5 kg	E2 E1			15 kg 25 kg
UN 1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	0.5 kg
UN 1312	BORNEOL	4.1	III		5 kg	E1			25 kg
UN 1313	CALCIUM RESINATE	4.1	III		5 kg	E1			25 kg
UN 1314	CALCIUM RESINATE, FUSED	4.1	III		5 kg	E1			25 kg
UN 1318	COBALT RESINATE, PRECIPITATED	4.1	III		5 kg	E1			25 kg
UN 1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1 (6.1)	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1 (6.1)	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1323	FERROCERIUM, unstabilized against corrosion or with less than 10% iron content	4.1	II		1 kg	E2	3000		15 kg
UN 1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1	III	38	5 kg	E1		Forbidden	25 kg
UN 1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	II III	16 16	1 kg 5 kg	E2 E1	1000		15 kg 25 kg
UN 1326	HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	II		1 kg	E2		Forbidden	15 kg
UN 1327	BHUSA, regulated only when transported by vessel; HAY, regulated only when transported by vessel; or STRAW, regulated only when transported by vessel	4.1	III	64	3 kg	E0			
UN 1328	HEXAMETHYLENETETRAMINE	4.1	III		5 kg	E1			25 kg
UN 1330	MANGANESE RESINATE	4.1	III		5 kg	E1			25 kg
UN 1331	MATCHES, "STRIKE ANYWHERE"	4.1	III	69	5 kg	E0			Forbidden

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UN 1332	METALDEHYDE	4.1	III		5 kg	E1			25 kg
UN 1333	CERIUM, slabs, ingots or rods	4.1	II		1 kg	E2			15 kg
UN 1334	NAPHTHALENE, CRUDE; or NAPHTHALENE, REFINED	4.1	III		5 kg	E1			25 kg
UN 1336	NITROGUANIDINE, WETTED with not less than 20% water, by mass; or PICRITE, WETTED with not less than 20% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1337	NITROSTARCH, WETTED with not less than 20% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1338	PHOSPHORUS, AMORPHOUS	4.1	III		5 kg	E1			25 kg
UN 1339	PHOSPHORUS HEPTASULFIDE, free from yellow and white phosphorus; or PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	4.1	II		1 kg	E2	1000		15 kg
UN 1340	PHOSPHORUS PENTASULFIDE, free from yellow and white phosphorus; or PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	4.3 (4.1)	II		0.5 kg	E2	1000	Forbidden	15 kg
UN 1341	PHOSPHORUS SESQUISULFIDE, free from yellow and white phosphorus; or PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	4.1	II		1 kg	E2	1000		15 kg
UN 1343	PHOSPHORUS TRISULFIDE, free from yellow and white phosphorus; or PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	4.1	II		1 kg	E2	1000		15 kg
UN 1344	TRINITROPHENOL, WETTED with not less than 30% water, by mass; or PICRIC ACID, WETTED with not less than 30% water, by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	1 kg
UN 1345	RUBBER SCRAP, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%; or RUBBER SHODDY, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	II		1 kg	E2			15 kg
UN 1346	SILICON POWDER, AMORPHOUS	4.1	III		5 kg	E1			25 kg
UN 1347	SILVER PICRATE, WETTED with not less than 30% water, by mass	4.1	I	38, 62, 66, 68	0	E0	75	Forbidden	Forbidden
UN 1348	SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 15% water, by mass	4.1 (6.1)	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1349	SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	Forbidden
UN 1350	SULFUR; or SULPHUR	4.1	III	33	5 kg	E1			25 kg
UN 1352	TITANIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	II		1 kg	E2		Forbidden	15 kg
UN 1353	FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.; or FIBRES IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1	III		5 kg	E1		Forbidden	25 kg
UN 1354	TRINITROBENZENE, WETTED with not less than 30% water, by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 1355	TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg

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UN 1356	TRINITROTOLUENE, WETTED with not less than 30% water, by mass; or TNT, WETTED with not less than 30% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	0.5 kg
UN 1357	UREA NITRATE, WETTED with not less than 20% water, by mass	4.1	I	38, 61, 62	0	E0	75	Forbidden	1 kg
UN 1358	ZIRCONIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	II		1 kg	E2		Forbidden	15 kg
UN 1360	CALCIUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1361	CARBON, animal or vegetable origin	4.2	II III		0 0	E0 E0			Forbidden Forbidden
UN 1362	CARBON, ACTIVATED	4.2	III		0	E1			0.5 kg
UN 1363	COPRA	4.2	III		0	E0			Forbidden
UN 1364	COTTON WASTE, OILY	4.2	III	38	0	E0			Forbidden
UN 1365	COTTON, WET	4.2	III		0	E0			Forbidden
UN 1369	p-NITROSODIMETHYLANILINE	4.2	II		0	E2		Forbidden	15 kg
UN 1372	FIBRES, ANIMAL, burnt, wet or damp, regulated only when transported by vessel; or FIBRES, VEGETABLE, burnt, wet or damp, regulated only when transported by vessel	4.2	III	97	0	E1			Forbidden
UN 1373	FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil; or FIBRES, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2	III		0	E0			Forbidden
UN 1374	FISH MEAL, UNSTABILIZED; or FISH SCRAP, UNSTABILIZED	4.2	II		0	E2			15 kg
UN 1376	IRON OXIDE, SPENT obtained from coal gas purification; or IRON SPONGE, SPENT obtained from coal gas purification	4.2	III		0	E0		Forbidden	Forbidden
UN 1378	METAL CATALYST, WETTED, with a visible excess of liquid	4.2	II	16, 38	0	E0	1000		Forbidden
UN 1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2	III		0	E0			Forbidden
UN 1380	PENTABORANE	4.2 (6.1)	I	23, 38	0	E0	1000	Forbidden	Forbidden
UN 1381	PHOSPHORUS, WHITE, DRY; PHOSPHORUS, WHITE, IN SOLUTION; PHOSPHORUS, WHITE, UNDER WATER; PHOSPHORUS, YELLOW, DRY; PHOSPHORUS, YELLOW, IN SOLUTION; or PHOSPHORUS, YELLOW, UNDER WATER	4.2 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 1382	POTASSIUM SULFIDE, ANHYDROUS; POTASSIUM SULFIDE with less than 30% water of crystallization; POTASSIUM SULPHIDE, ANHYDROUS; or POTASSIUM SULPHIDE with less than 30% water of crystallization	4.2	II		0	E2	1000		15 kg
UN 1383	PYROPHORIC ALLOY, N.O.S.; or PYROPHORIC METAL, N.O.S.	4.2	I	16, 38	0	E0	1000	Forbidden	Forbidden
UN 1384	SODIUM DITHIONITE; SODIUM HYDROSULFITE; or SODIUM HYDROSULPHITE	4.2	II		0	E2	3000	Forbidden	15 kg
UN 1385	SODIUM SULFIDE, ANHYDROUS; SODIUM SULFIDE with less than 30% water of crystallization; SODIUM SULPHIDE, ANHYDROUS; or SODIUM SULPHIDE with less than 30% water of crystallization	4.2	II		0	E2	1000		15 kg
UN 1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture	4.2	III	36	0	E0		Forbidden	Forbidden

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UN 1387	WOOL WASTE, WET, regulated only when transported by vessel	4.2	III	97	0	E1			Forbidden
UN 1389	ALKALI METAL AMALGAM, LIQUID, including lithium, sodium, potassium, rubidium and cesium	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1390	ALKALI METAL AMIDES	4.3	II		0.5 kg	E2		Forbidden	15 kg
UN 1391	ALKALI METAL DISPERSION, including lithium, sodium, potassium, rubidium and cesium; or ALKALINE EARTH METAL DISPERSION, including magnesium, calcium, strontium and barium	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1392	ALKALINE EARTH METAL AMALGAM, LIQUID, including magnesium, calcium, strontium and barium	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3	II		0.5 kg	E2	1000	Forbidden	15 kg
UN 1394	ALUMINUM CARBIDE	4.3	II		0.5 kg	E2	1000		15 kg
UN 1395	ALUMINUM FERROSILICON POWDER	4.3 (6.1)	II		0.5 kg	E2	1000		15 kg
UN 1396	ALUMINUM POWDER, UNCOATED	4.3	II III	38	0.5 kg 1 kg	E2 E1			15 kg 25 kg
UN 1397	ALUMINUM PHOSPHIDE	4.3 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 1398	ALUMINUM SILICON POWDER, UNCOATED	4.3	III		1 kg	E1			25 kg
UN 1400	BARIUM	4.3	II		0.5 kg	E2	1000	Forbidden	15 kg
UN 1401	CALCIUM	4.3	II		0.5 kg	E2	3000	Forbidden	15 kg
UN 1402	CALCIUM CARBIDE	4.3	I II		0 0.5 kg	E0 E2	1000 1000		Forbidden 15 kg
UN 1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3	III		1 kg	E1			25 kg
UN 1404	CALCIUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1405	CALCIUM SILICIDE	4.3	II III		0.5 kg 1 kg	E2 E1			15 kg 25 kg
UN 1407	CAESIUM	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1408	FERROSILICON with 30% or more but less than 90% silicon	4.3 (6.1)	III		1 kg	E1			25 kg
UN 1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	I II	16, 38 16	0 0.5 kg	E0 E2	1000	Forbidden Forbidden	Forbidden 15 kg
UN 1410	LITHIUM ALUMINUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1411	LITHIUM ALUMINUM HYDRIDE, ETHEREAL	4.3 (3)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1413	LITHIUM BOROHYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1414	LITHIUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1415	LITHIUM	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1417	LITHIUM SILICON	4.3	II		0.5 kg	E2			15 kg
UN 1418	MAGNESIUM ALLOYS, POWDER; or MAGNESIUM POWDER	4.3 (4.2)	I II III	38	0 0 0	E0 E2 E1	1000		Forbidden 15 kg 25 kg
UN 1419	MAGNESIUM ALUMINUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1420	POTASSIUM METAL ALLOYS, LIQUID	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 1423	RUBIDIUM	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 1426	SODIUM BOROHYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1427	SODIUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden

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UN 1428	SODIUM	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 1431	SODIUM METHYLATE	4.2 (8)	II		0	E2	1000		15 kg
UN 1432	SODIUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1433	STANNIC PHOSPHIDES	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1435	ZINC ASHES	4.3	III		1 kg	E1			25 kg
UN 1436	ZINC DUST; or ZINC POWDER	4.3 (4.2)	I II III	38	0 0 0	E0 E2 E1	1000		Forbidden 15 kg 25 kg
UN 1437	ZIRCONIUM HYDRIDE	4.1	II		1 kg	E2		Forbidden	15 kg
UN 1438	ALUMINUM NITRATE	5.1	III		5 kg	E1		Forbidden	25 kg
UN 1439	AMMONIUM DICHROMATE	5.1	II		1 kg	E2			5 kg
UN 1442	AMMONIUM PERCHLORATE (for substances that are not UN0402 AMMONIUM PERCHLORATE, Class 1.1D)	5.1	II		1 kg	E2	1000	Forbidden	5 kg
UN 1444	AMMONIUM PERSULFATE; or AMMONIUM PERSULPHATE	5.1	III		5 kg	E1			25 kg
UN 1445	BARIUM CHLORATE, SOLID	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1446	BARIUM NITRATE	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1447	BARIUM PERCHLORATE, SOLID	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1448	BARIUM PERMANGANATE	5.1 (6.1)	II		1 kg	E2		Forbidden	5 kg
UN 1449	BARIUM PEROXIDE	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1450	BROMATES, INORGANIC, N.O.S.	5.1	II	16, 119	1 kg	E2			5 kg
UN 1451	CAESIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 1452	CALCIUM CHLORATE	5.1	II		1 kg	E2			5 kg
UN 1453	CALCIUM CHLORITE	5.1	II		1 kg	E2			5 kg
UN 1454	CALCIUM NITRATE	5.1	III	31	5 kg	E1			25 kg
UN 1455	CALCIUM PERCHLORATE	5.1	II		1 kg	E2			5 kg
UN 1456	CALCIUM PERMANGANATE	5.1	II		1 kg	E2		Forbidden	5 kg
UN 1457	CALCIUM PEROXIDE	5.1	II		1 kg	E2			5 kg
UN 1458	CHLORATE AND BORATE MIXTURE	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1461	CHLORATES, INORGANIC, N.O.S.	5.1	II	16, 120	1 kg	E2			5 kg
UN 1462	CHLORITES, INORGANIC, N.O.S.	5.1	II	16, 121	1 kg	E2			5 kg
UN 1463	CHROMIUM TRIOXIDE, ANHYDROUS	5.1 (6.1) (8)	II		1 kg	E2			5 kg
UN 1465	DIDYMIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 1466	FERRIC NITRATE	5.1	III		5 kg	E1			25 kg
UN 1467	GUANIDINE NITRATE	5.1	III		5 kg	E1			25 kg
UN 1469	LEAD NITRATE	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1470	LEAD PERCHLORATE, SOLID	5.1 (6.1)	II		1 kg	E2			5 kg
UN 1471	LITHIUM HYPOCHLORITE, DRY; or LITHIUM HYPOCHLORITE MIXTURE	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1472	LITHIUM PEROXIDE	5.1	II	38	1 kg	E2			5 kg
UN 1473	MAGNESIUM BROMATE	5.1	II		1 kg	E2			5 kg
UN 1474	MAGNESIUM NITRATE	5.1	III	100	5 kg	E1			25 kg

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UN 1475	MAGNESIUM PERCHLORATE	5.1	II		1 kg	E2			5 kg
UN 1476	MAGNESIUM PEROXIDE	5.1	II		1 kg	E2			5 kg
UN 1477	NITRATES, INORGANIC, N.O.S.	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1479	OXIDIZING SOLID, N.O.S.	5.1	I II III	16, 68 16, 68 16, 68	0 1 kg 5 kg	E0 E2 E1	1000	Forbidden	1 kg 5 kg 25 kg
UN 1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	II III	16, 78, 122 16, 122	1 kg 5 kg	E2 E1		Forbidden Forbidden	5 kg 25 kg
UN 1483	PEROXIDES, INORGANIC, N.O.S.	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 1484	POTASSIUM BROMATE	5.1	II		1 kg	E2			5 kg
UN 1485	POTASSIUM CHLORATE	5.1	II		1 kg	E2			5 kg
UN 1486	POTASSIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1	II		1 kg	E2			5 kg
UN 1488	POTASSIUM NITRITE	5.1	II		1 kg	E2			5 kg
UN 1489	POTASSIUM PERCHLORATE	5.1	II		1 kg	E2			5 kg
UN 1490	POTASSIUM PERMANGANATE	5.1	II		1 kg	E2		Forbidden	5 kg
UN 1491	POTASSIUM PEROXIDE	5.1	I	38	0	E0	1000		Forbidden
UN 1492	POTASSIUM PERSULFATE; or POTASSIUM PERSULPHATE	5.1	III		5 kg	E1			25 kg
UN 1493	SILVER NITRATE	5.1	II		1 kg	E2			5 kg
UN 1494	SODIUM BROMATE	5.1	II		1 kg	E2			5 kg
UN 1495	SODIUM CHLORATE	5.1	II		1 kg	E2			5 kg
UN 1496	SODIUM CHLORITE with more than 7% available chlorine	5.1	II		1 kg	E2			5 kg
UN 1498	SODIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1	III		5 kg	E1			25 kg
UN 1500	SODIUM NITRITE	5.1 (6.1)	III		5 kg	E1			25 kg
UN 1502	SODIUM PERCHLORATE	5.1	II		1 kg	E2			5 kg
UN 1503	SODIUM PERMANGANATE	5.1	II		1 kg	E2		Forbidden	5 kg
UN 1504	SODIUM PEROXIDE	5.1	I	38	0	E0	1000		Forbidden
UN 1505	SODIUM PERSULFATE; or SODIUM PERSULPHATE	5.1	III		5 kg	E1			25 kg
UN 1506	STRONTIUM CHLORATE	5.1	II		1 kg	E2	1000		5 kg
UN 1507	STRONTIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 1508	STRONTIUM PERCHLORATE	5.1	II		1 kg	E2	1000		5 kg
UN 1509	STRONTIUM PEROXIDE	5.1	II		1 kg	E2	1000		5 kg
UN 1510	TETRANITROMETHANE	6.1 (5.1)	I	23, 38	0	E0	1000	Forbidden	Forbidden
UN 1511	UREA HYDROGEN PEROXIDE	5.1 (8)	III		5 kg	E1			25 kg
UN 1512	ZINC AMMONIUM NITRITE	5.1	II	66, 68	1 kg	E2			5 kg
UN 1513	ZINC CHLORATE	5.1	II		1 kg	E2			5 kg
UN 1514	ZINC NITRATE	5.1	II		1 kg	E2			5 kg
UN 1515	ZINC PERMANGANATE	5.1	II		1 kg	E2		Forbidden	5 kg

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UN 1516	ZINC PEROXIDE	5.1	II		1 kg	E2	1000		5 kg
UN 1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	1 kg
UN 1541	ACETONE CYANOHYDRIN, STABILIZED	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1544	ALKALOID SALTS, SOLID, N.O.S.; or ALKALOIDS, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1 (3)	II	155	0.1 L	E0	1000	Forbidden	Forbidden
UN 1546	AMMONIUM ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1547	ANILINE	6.1	II	43	0.1 L	E4			5 L
UN 1548	ANILINE HYDROCHLORIDE	6.1	III		5 kg	E1			100 kg
UN 1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S., except antimony oxides and sulphides containing not more than 0.5% arsenic, by mass	6.1	III	16	5 kg	E1			100 kg
UN 1550	ANTIMONY LACTATE	6.1	III		5 kg	E1			100 kg
UN 1551	ANTIMONY POTASSIUM TARTRATE	6.1	III		5 kg	E1			100 kg
UN 1553	ARSENIC ACID, LIQUID	6.1	I		0	E5	1000		1 L
UN 1554	ARSENIC ACID, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 1555	ARSENIC BROMIDE	6.1	II		0.5 kg	E4			25 kg
UN 1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	I II III	16, 38 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	I II III	16, 38 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 1558	ARSENIC	6.1	II		0.5 kg	E4			25 kg
UN 1559	ARSENIC PENTOXIDE	6.1	II		0.5 kg	E4			25 kg
UN 1560	ARSENIC TRICHLORIDE	6.1	I	23	0	E0	1000		Forbidden
UN 1561	ARSENIC TRIOXIDE	6.1	II		0.5 kg	E4			25 kg
UN 1562	ARSENICAL DUST	6.1	II		0.5 kg	E4			25 kg
UN 1564	BARIUM COMPOUND, N.O.S., other than barium sulphate	6.1	II III	16 16	0.5 kg 5 kg	E4 E1			25 kg 100 kg
UN 1565	BARIUM CYANIDE	6.1	I		0	E5	1000		5 kg
UN 1566	BERYLLIUM COMPOUND, N.O.S.	6.1	II III	16 16	0.5 kg 5 kg	E4 E1			25 kg 100 kg
UN 1567	BERYLLIUM POWDER	6.1 (4.1)	II		0.5 kg	E4			15 kg
UN 1569	BROMOACETONE	6.1 (3)	II	23, 38	0	E0	1000	Forbidden	Forbidden
UN 1570	BRUCINE	6.1	I		0	E5	1000		5 kg
UN 1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1 (6.1)	I	38, 62	0	E0	75	Forbidden	Forbidden
UN 1572	CACODYLIC ACID	6.1	II		0.5 kg	E4		Forbidden	25 kg
UN 1573	CALCIUM ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 1575	CALCIUM CYANIDE	6.1	I	38	0	E5	1000		5 kg
UN 1577	CHLORODINITROBENZENES, LIQUID	6.1	II	43	0.1 L	E4			5 L
UN 1578	CHLORONITROBENZENES, SOLID	6.1	II	43	0.5 kg	E4			25 kg

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UN 1579	4-CHLORO- <i>o</i> -TOLUIDINE HYDROCHLORIDE, SOLID	6.1	III		5 kg	E1			100 kg
UN 1580	CHLOROPICRIN	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin	2.3		23	0	E0	25	Forbidden	Forbidden
UN 1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	2.3		23, 38	0	E0	25	Forbidden	Forbidden
UN 1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E0 E0 E0	1000		Forbidden Forbidden Forbidden
UN 1585	COPPER ACETOARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1586	COPPER ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1587	COPPER CYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1588	CYANIDES, INORGANIC, SOLID, N.O.S., except ferricyanides and ferrocyanides	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 1589	CYANOGEN CHLORIDE, STABILIZED	2.3 (8)		23, 38, 155	0	E0	25	Forbidden	Forbidden
UN 1590	DICHLOROANILINES, LIQUID	6.1	II	43	0.1 L	E4			5 L
UN 1591	<i>o</i> -DICHLOROBENZENE	6.1	III	43	5 L	E1			60 L
UN 1593	DICHLOROMETHANE	6.1	III		5 L	E1			60 L
UN 1594	DIETHYL SULFATE; or DIETHYL SULPHATE	6.1	II		0.1 L	E4	1000		5 L
UN 1595	DIMETHYL SULFATE; or DIMETHYL SULPHATE	6.1 (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1596	DINITROANILINES	6.1	II		0.5 kg	E4			25 kg
UN 1597	DINITROBENZENES, LIQUID	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 1598	DINITRO- <i>o</i> -CRESOL	6.1	II		0.5 kg	E4			25 kg
UN 1599	DINITROPHENOL SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 1600	DINITROTOLUENES, MOLTEN	6.1	II		0	E0			Forbidden
UN 1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 1602	DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.; or DYE, LIQUID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 1603	ETHYL BROMOACETATE	6.1 (3)	II		0.1 L	E0	1000	Forbidden	Forbidden
UN 1604	ETHYLENEDIAMINE	8 (3)	II		1 L	E2	1000		1 L
UN 1605	ETHYLENE DIBROMIDE	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1606	FERRIC ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1607	FERRIC ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1608	FERROUS ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1611	HEXAETHYL TETRAPHOSPHATE	6.1	II		0.1 L	E4		Forbidden	25 L
UN 1612	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	2.3		23, 38	0	E0	25	Forbidden	Forbidden
UN 1613	HYDROCYANIC ACID, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide; or HYDROGEN CYANIDE, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide	6.1	I	23, 68	0	E0	1000	Forbidden	Forbidden

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UN 1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	6.1	I	38, 155, 166	0	E0	1000	Forbidden	Forbidden
UN 1616	LEAD ACETATE	6.1	III		5 kg	E1			100 kg
UN 1617	LEAD ARSENATES	6.1	II		0.5 kg	E4			25 kg
UN 1618	LEAD ARSENITES	6.1	II		0.5 kg	E4			25 kg
UN 1620	LEAD CYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1621	LONDON PURPLE	6.1	II		0.5 kg	E4			25 kg
UN 1622	MAGNESIUM ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1623	MERCURIC ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1624	MERCURIC CHLORIDE	6.1	II		0.5 kg	E4			25 kg
UN 1625	MERCURIC NITRATE	6.1	II		0.5 kg	E4	1000		25 kg
UN 1626	MERCURIC POTASSIUM CYANIDE	6.1	I		0	E5	1000		5 kg
UN 1627	MERCUROUS NITRATE	6.1	II		0.5 kg	E4	1000		25 kg
UN 1629	MERCURY ACETATE	6.1	II		0.5 kg	E4			25 kg
UN 1630	MERCURY AMMONIUM CHLORIDE	6.1	II		0.5 kg	E4			25 kg
UN 1631	MERCURY BENZOATE	6.1	II		0.5 kg	E4			25 kg
UN 1634	MERCURY BROMIDES	6.1	II		0.5 kg	E4			25 kg
UN 1636	MERCURY CYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1637	MERCURY GLUCONATE	6.1	II		0.5 kg	E4			25 kg
UN 1638	MERCURY IODIDE	6.1	II		0.5 kg	E4			25 kg
UN 1639	MERCURY NUCLEATE	6.1	II		0.5 kg	E4			25 kg
UN 1640	MERCURY OLEATE	6.1	II		0.5 kg	E4			25 kg
UN 1641	MERCURY OXIDE	6.1	II		0.5 kg	E4			25 kg
UN 1642	MERCURY OXYCYANIDE, DESENSITIZED	6.1	II	68	0.5 kg	E4			25 kg
UN 1643	MERCURY POTASSIUM IODIDE	6.1	II		0.5 kg	E4			25 kg
UN 1644	MERCURY SALICYLATE	6.1	II		0.5 kg	E4			25 kg
UN 1645	MERCURY SULFATE; OR MERCURY SULPHATE	6.1	II		0.5 kg	E4			25 kg
UN 1646	MERCURY THIOCYANATE	6.1	II		0.5 kg	E4			25 kg
UN 1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1648	ACETONITRILE	3	II		1 L	E2			5 L
UN 1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1	I		0	E0	1000	Forbidden	Forbidden
UN 1650	beta-NAPHTHYLAMINE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 1651	NAPHTHYLTHIOUREA	6.1	II		0.5 kg	E4			25 kg
UN 1652	NAPHTHYLUREA	6.1	II		0.5 kg	E4			25 kg
UN 1653	NICKEL CYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1654	NICOTINE	6.1	II		0.1 L	E4			5 L
UN 1655	NICOTINE COMPOUND, SOLID, N.O.S.; or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 1656	NICOTINE HYDROCHLORIDE, LIQUID; or NICOTINE HYDROCHLORIDE SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 1657	NICOTINE SALICYLATE	6.1	II		0.5 kg	E4			25 kg
UN 1658	NICOTINE SULFATE, SOLUTION; or NICOTINE SULPHATE, SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 1659	NICOTINE TARTRATE	6.1	II		0.5 kg	E4			25 kg

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UN 1660	NITRIC OXIDE, COMPRESSED	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 1661	NITROANILINES (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	II	43	0.5 kg	E4			25 kg
UN 1662	NITROBENZENE	6.1	II	43	0.1 L	E4			5 L
UN 1663	NITROPHENOLS (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	III	43	5 kg	E1			100 kg
UN 1664	NITROTOLUENES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 1665	NITROXYLENES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 1669	PENTACHLOROETHANE	6.1	II		0.1 L	E4			5 L
UN 1670	PERCHLOROMETHYL MERCAPTAN	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1671	PHENOL, SOLID	6.1	II	43	0.5 kg	E4	1000		25 kg
UN 1672	PHENYLCARBYLAMINE CHLORIDE	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1673	PHENYLENEDIAMINES (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	III	43	5 kg	E1			100 kg
UN 1674	PHENYLMERCURIC ACETATE	6.1	II		0.5 kg	E4			25 kg
UN 1677	POTASSIUM ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1678	POTASSIUM ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1679	POTASSIUM CUPROCYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1680	POTASSIUM CYANIDE, SOLID	6.1	I		0	E5	1000		5 kg
UN 1683	SILVER ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1684	SILVER CYANIDE	6.1	II		0.5 kg	E4			25 kg
UN 1685	SODIUM ARSENATE	6.1	II		0.5 kg	E4			25 kg
UN 1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 1687	SODIUM AZIDE	6.1	II		0.5 kg	E4	1000		25 kg
UN 1688	SODIUM CACODYLATE	6.1	II		0.5 kg	E4			25 kg
UN 1689	SODIUM CYANIDE, SOLID	6.1	I		0	E5	1000		5 kg
UN 1690	SODIUM FLUORIDE, SOLID	6.1	III		5 kg	E1			100 kg
UN 1691	STRONTIUM ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1692	STRYCHNINE; or STRYCHNINE SALTS	6.1	I		0	E5	1000		5 kg
UN 1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	I II	16, 38 16, 38	0 0	E0 E0	1000	Forbidden Forbidden	Forbidden Forbidden
UN 1694	BROMOBENZYL CYANIDES, LIQUID	6.1	I		0	E0	1000	Forbidden	Forbidden
UN 1695	CHLOROACETONE, STABILIZED	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1697	CHLOROACETOPHENONE, SOLID	6.1	II	38	0	E0		Forbidden	Forbidden
UN 1698	DIPHENYLAMINE CHLOROARSINE	6.1	I	38	0	E0	1000	Forbidden	Forbidden
UN 1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	I	38	0	E0	1000	Forbidden	Forbidden
UN 1700	TEAR GAS CANDLES	6.1 (4.1)		38	0	E0		Forbidden	Forbidden
UN 1701	XYLYL BROMIDE, LIQUID	6.1	II	38	0	E0		Forbidden	Forbidden
UN 1702	1,1,2,2-TETRACHLOROETHANE	6.1	II		0.1 L	E4			5 L
UN 1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	II		0.1 L	E4	1000	Forbidden	25 L
UN 1707	THALLIUM COMPOUND, N.O.S.	6.1	II	16	0.5 kg	E4			25 kg
UN 1708	TOLUIDINES, LIQUID	6.1	II	43	0.1 L	E4			5 L
UN 1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1	III		5 kg	E1			100 kg
UN 1710	TRICHLOROETHYLENE	6.1	III		5 L	E1			60 L
UN 1711	XYLIDINES, LIQUID	6.1	II		0.1 L	E4			5 L

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UN 1712	ZINC ARSENATE; ZINC ARSENATE AND ZINC ARSENITE MIXTURE; or ZINC ARSENITE	6.1	II		0.5 kg	E4			25 kg
UN 1713	ZINC CYANIDE	6.1	I		0	E5	1000		5 kg
UN 1714	ZINC PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 1715	ACETIC ANHYDRIDE	8 (3)	II		1 L	E2	3000		1 L
UN 1716	ACETYL BROMIDE	8	II		1 L	E2			1 L
UN 1717	ACETYL CHLORIDE	3 (8)	II		1 L	E2	3000		1 L
UN 1718	BUTYL ACID PHOSPHATE	8	III		5 L	E1			5 L
UN 1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	II III	16 16	1 L 5 L	E2 E1			1 L 5 L
UN 1722	ALLYL CHLOROFORMATE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1723	ALLYL IODIDE	3 (8)	II		1 L	E2	3000		1 L
UN 1724	ALLYLTRICHLOROSILANE, STABILIZED	8 (3)	II	155	0	E0	3000		Forbidden
UN 1725	ALUMINUM BROMIDE, ANHYDROUS	8	II		1 kg	E2			15 kg
UN 1726	ALUMINUM CHLORIDE, ANHYDROUS	8	II		1 kg	E2			15 kg
UN 1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	II		1 kg	E2			15 kg
UN 1728	AMYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1729	ANISOYL CHLORIDE	8	II		1 kg	E2			15 kg
UN 1730	ANTIMONY PENTACHLORIDE, LIQUID	8	II		1 L	E2			1 L
UN 1731	ANTIMONY PENTACHLORIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1732	ANTIMONY PENTAFLUORIDE	8 (6.1)	II		1 L	E0		Forbidden	Forbidden
UN 1733	ANTIMONY TRICHLORIDE	8	II		1 kg	E2			1 kg
UN 1736	BENZOYL CHLORIDE	8	II		1 L	E2			1 L
UN 1737	BENZYL BROMIDE	6.1 (8)	II		0	E4	3000	Forbidden	1 L
UN 1738	BENZYL CHLORIDE	6.1 (8)	II		0	E4	1000	Forbidden	1 L
UN 1739	BENZYL CHLOROFORMATE	8	I		0	E0	1000	Forbidden	Forbidden
UN 1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	II III		1 kg 5 kg	E2 E1			15 kg 25 kg
UN 1741	BORON TRICHLORIDE	2.3 (8)		23	0	E0	500	Forbidden	Forbidden
UN 1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	II		1 L	E2			1 L
UN 1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	II		1 L	E2			1 L
UN 1744	BROMINE; or BROMINE SOLUTION	8 (6.1)	I	23	0	E0	3000	Forbidden	Forbidden
UN 1745	BROMINE PENTAFLUORIDE	5.1 (6.1) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1746	BROMINE TRIFLUORIDE	5.1 (6.1) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1747	BUTYLTRICHLOROSILANE	8 (3)	II		0	E0			Forbidden
UN 1748	CALCIUM HYPOCHLORITE, DRY with more than 39% available chlorine (8.8% available oxygen); or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	II III	38, 94 38, 94, 116	1 kg 5 kg	E2 E1		Forbidden	5 kg 25 kg
UN 1749	CHLORINE TRIFLUORIDE	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN 1750	CHLOROACETIC ACID SOLUTION	6.1 (8)	II		0.1 L	E4	1000		1 L
UN 1751	CHLOROACETIC ACID, SOLID	6.1 (8)	II		0.5 kg	E4	1000		15 kg
UN 1752	CHLOROACETYL CHLORIDE	6.1 (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1753	CHLOROPHENYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1754	CHLOROSULFONIC ACID (with or without sulfur trioxide); or CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8	I	23	0	E0	1000		Forbidden
UN 1755	CHROMIC ACID SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1756	CHROMIC FLUORIDE, SOLID	8	II		1 kg	E2			15 kg
UN 1757	CHROMIC FLUORIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1758	CHROMIUM OXYCHLORIDE	8	I		0	E0	1000		0.5 L
UN 1759	CORROSIVE SOLID, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	3000		1 kg 15 kg 25 kg
UN 1760	CORROSIVE LIQUID, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 1761	CUPRIETHYLENEDIAMINE SOLUTION	8 (6.1)	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1762	CYCLOHEXYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1763	CYCLOHEXYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1764	DICHLOROACETIC ACID	8	II		1 L	E2			1 L
UN 1765	DICHLOROACETYL CHLORIDE	8	II		1 L	E2		Forbidden	1 L
UN 1766	DICHLOROPHENYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1767	DIETHYLDICHLOROSILANE	8 (3)	II		0	E0			Forbidden
UN 1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		1 L	E2			1 L
UN 1769	DIPHENYLDICHLOROSILANE	8	II		0	E0			Forbidden
UN 1770	DIPHENYLMETHYL BROMIDE	8	II		1 kg	E2		Forbidden	15 kg
UN 1771	DODECYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1773	FERRIC CHLORIDE, ANHYDROUS	8	III		5 kg	E1			25 kg
UN 1774	FIRE EXTINGUISHER CHARGES, corrosive liquid	8	II		1 L	E0			1 L
UN 1775	FLUOROBORIC ACID	8	II		1 L	E2			1 L
UN 1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	II		1 L	E2			1 L
UN 1777	FLUOROSULFONIC ACID; or FLUOROSULPHONIC ACID	8	I		0	E0	1000	Forbidden	0.5 L
UN 1778	FLUOROSILICIC ACID	8	II		1 L	E2			1 L
UN 1779	FORMIC ACID with more than 85% acid by mass	8 (3)	II		1 L	E2			1 L
UN 1780	FUMARYL CHLORIDE	8	II		1 L	E2			1 L
UN 1781	HEXADECYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1782	HEXAFLUOROPHOSPHORIC ACID	8	II		1 L	E2			1 L
UN 1783	HEXAMETHYLENEDIAMINE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1784	HEXYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1786	HYDROFLUORIC ACID AND SULFURIC ACID MIXTURE; or HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8 (6.1)	I		0	E0	1000	Forbidden	Forbidden

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UN 1787	HYDRIODIC ACID	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1788	HYDROBROMIC ACID	8	II III		1 L 5 L	E2 E1	3000		Forbidden Forbidden
UN 1789	HYDROCHLORIC ACID	8	II III		1 L 5 L	E2 E1	3000		1 L 5 L
UN 1790	HYDROFLUORIC ACID , with more than 60% hydrogen fluoride HYDROFLUORIC ACID , with not more than 60% hydrogen fluoride	8 (6.1) 8 (6.1)	I II		0 1 L	E0 E2	1000 1000	Forbidden Forbidden	0.5 L 1 L
UN 1791	HYPOCHLORITE SOLUTION with more than 7% available chlorine	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1792	IODINE MONOCHLORIDE, SOLID	8	II		1 kg	E0		Forbidden	Forbidden
UN 1793	ISOPROPYL ACID PHOSPHATE	8	III		5 L	E1			25 L
UN 1794	LEAD SULFATE with more than 3% free acid; or LEAD SULPHATE with more than 3% free acid	8	II		1 kg	E2			15 kg
UN 1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8 (5.1)	I		0	E0	3000	Forbidden	Forbidden
UN 1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	II		1 L	E0		Forbidden	Forbidden
UN 1798	NITROHYDROCHLORIC ACID	8	I		0	E0	1000	Forbidden	Forbidden
UN 1799	NONYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1800	OCTADECYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1801	OCTYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1802	PERCHLORIC ACID with not more than 50% acid, by mass	8 (5.1)	II		1 L	E0	3000		Forbidden
UN 1803	PHENOLSULFONIC ACID, LIQUID ; or PHENOLSULPHONIC ACID, LIQUID	8	II		1 L	E2			1 L
UN 1804	PHENYLTRICHLOROSILANE	8	II		0	E0			Forbidden
UN 1805	PHOSPHORIC ACID SOLUTION	8	III		5 L	E1			5 L
UN 1806	PHOSPHORUS PENTACHLORIDE	8	II		1 kg	E0	1000		Forbidden
UN 1807	PHOSPHORUS PENTOXIDE	8	II		1 kg	E2	1000		15 kg
UN 1808	PHOSPHORUS TRIBROMIDE	8	II		1 L	E0			Forbidden
UN 1809	PHOSPHORUS TRICHLORIDE	6.1 (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1810	PHOSPHORUS OXYCHLORIDE	6.1 (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 1811	POTASSIUM HYDROGEN DIFLUORIDE, SOLID	8 (6.1)	II		1 kg	E2			15 kg
UN 1812	POTASSIUM FLUORIDE, SOLID	6.1	III		5 kg	E1			100 kg
UN 1813	POTASSIUM HYDROXIDE, SOLID	8	II		1 kg	E2			15 kg
UN 1814	POTASSIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1815	PROPIONYL CHLORIDE	3 (8)	II		1 L	E2			1 L
UN 1816	PROPYLTRICHLOROSILANE	8 (3)	II		0	E0	3000		Forbidden
UN 1817	PYROSULFURYL CHLORIDE ; or PYROSULPHURYL CHLORIDE	8	II		1 L	E2	1000		1 L
UN 1818	SILICON TETRACHLORIDE	8	II		0	E0			Forbidden
UN 1819	SODIUM ALUMINATE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1823	SODIUM HYDROXIDE, SOLID	8	II		1 kg	E2			15 kg

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UN 1824	SODIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1825	SODIUM MONOXIDE	8	II		1 kg	E2			15 kg
UN 1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8 (5.1)	I	19	0	E0	3000	Forbidden	Forbidden
UN 1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8	II	19	1 L	E0		Forbidden	Forbidden
UN 1827	STANNIC CHLORIDE, ANHYDROUS	8	II		1 L	E2			1 L
UN 1828	SULFUR CHLORIDES; or SULPHUR CHLORIDES	8	I	166	0	E0	3000		Forbidden
UN 1829	SULFUR TRIOXIDE, STABILIZED; or SULPHUR TRIOXIDE, STABILIZED	8	I	23, 155	0	E0	3000		Forbidden
UN 1830	SULFURIC ACID with more than 51% acid; or SULPHURIC ACID with more than 51% acid	8	II		1 L	E2	3000		1 L
UN 1831	SULFURIC ACID, FUMING; or SULPHURIC ACID, FUMING	8 (6.1)	I	23, 168	0	E0	1000		Forbidden
UN 1832	SULFURIC ACID, SPENT; or SULPHURIC ACID, SPENT	8	II	19	1 L	E0			Forbidden
UN 1833	SULFUROUS ACID; or SULPHUROUS ACID	8	II		1 L	E2			1 L
UN 1834	SULFURYL CHLORIDE; or SULPHURYL CHLORIDE	6.1 (8)	I	23	0	E0	3000	Forbidden	Forbidden
UN 1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1836	THIONYL CHLORIDE	8	I		0	E0	3000		Forbidden
UN 1837	THIOPHOSPHORYL CHLORIDE	8	II		1 L	E0			Forbidden
UN 1838	TITANIUM TETRACHLORIDE	6.1 (8)	I	23	0	E0		Forbidden	Forbidden
UN 1839	TRICHLOROACETIC ACID	8	II		1 kg	E2			15 kg
UN 1840	ZINC CHLORIDE SOLUTION	8	III		5 L	E1			5 L
UN 1841	ACETALDEHYDE AMMONIA	9	III		5 kg	E1			200 kg
UN 1843	AMMONIUM DINITRO-<i>o</i>-CRESOLATE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 1845	CARBON DIOXIDE, SOLID; or DRY ICE	9		18	0	E0			200 kg
UN 1846	CARBON TETRACHLORIDE	6.1	II		0.1 L	E4			5 L
UN 1847	POTASSIUM SULFIDE, HYDRATED with not less than 30% water of crystallization; or POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	8	II		1 kg	E2			15 kg
UN 1848	PROPIONIC ACID with not less than 10% and less than 90% acid by mass	8	III		5 L	E1			5 L
UN 1849	SODIUM SULFIDE, HYDRATED with not less than 30% water; or SODIUM SULPHIDE, HYDRATED with not less than 30% water	8	II		1 kg	E2			15 kg
UN 1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	II III	16 16	0.1 L 5 L	E4 E1			5 L 60 L
UN 1854	BARIUM ALLOYS, PYROPHORIC	4.2	I	38	0	E0	1000	Forbidden	Forbidden
UN 1855	CALCIUM ALLOYS, PYROPHORIC; or CALCIUM, PYROPHORIC	4.2	I	38	0	E0	1000	Forbidden	Forbidden
UN 1856	RAGS, OILY, regulated only when transported by vessel	4.2		97	0	E0			Forbidden
UN 1857	TEXTILE, WASTE, WET, regulated only when transported by vessel	4.2	III	97	0	E1			Forbidden
UN 1858	HEXAFLUOROPROPYLENE; or REFRIGERANT GAS R 1216	2.2			0.125 L	E1			75 L
UN 1859	SILICON TETRAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN 1860	VINYL FLUORIDE, STABILIZED	2.1		155	0.125 L	E0	3000	Forbidden	Forbidden
UN 1862	ETHYL CROTONATE	3	II		1 L	E2			5 L
UN 1863	FUEL, AVIATION, TURBINE ENGINE	3	I II III	17, 150 17, 150 17, 150	0.5 L 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1865	<i>n</i> -PROPYL NITRATE	3	II	38	1 L	E2		Forbidden	5 L
UN 1866	RESIN SOLUTION, flammable	3	I II III		0.5 L 5 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1868	DECABORANE	4.1 (6.1)	II	38	1 kg	E0	75		Forbidden
UN 1869	MAGNESIUM in pellets, turnings or ribbons; or MAGNESIUM ALLOYS with more than 50% magnesium, in pellets, turnings or ribbons	4.1	III		5 kg	E1			25 kg
UN 1870	POTASSIUM BOROHYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 1871	TITANIUM HYDRIDE	4.1	II		1 kg	E2		Forbidden	15 kg
UN 1872	LEAD DIOXIDE	5.1	III		5 kg	E1			25 kg
UN 1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1 (8)	I	68	0	E0	1000	Forbidden	Forbidden
UN 1884	BARIUM OXIDE	6.1	III		5 kg	E1			100 kg
UN 1885	BENZIDINE	6.1	II		0.5 kg	E4			25 kg
UN 1886	BENZYLIDENE CHLORIDE	6.1	II		0.1 L	E4		Forbidden	5 L
UN 1887	BROMOCHLOROMETHANE	6.1	III		5 L	E1			60 L
UN 1888	CHLOROFORM	6.1	III		5 L	E1			60 L
UN 1889	CYANOGEN BROMIDE	6.1 (8)	I	38	0	E0	1000	Forbidden	1 kg
UN 1891	ETHYL BROMIDE	6.1	II		0.1 L	E4			5 L
UN 1892	ETHYLDICHLOROARSINE	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 1894	PHENYLMERCURIC HYDROXIDE	6.1	II		0.5 kg	E4			25 kg
UN 1895	PHENYLMERCURIC NITRATE	6.1	II		0.5 kg	E4			25 kg
UN 1897	TETRACHLOROETHYLENE	6.1	III		5 L	E1			60 L
UN 1898	ACETYL IODIDE	8	II		1 L	E2			1 L
UN 1902	DIISOCTYL ACID PHOSPHATE	8	III		5 L	E1			5 L
UN 1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 1905	SELENIC ACID	8	I		0	E0	3000		Forbidden
UN 1906	SLUDGE ACID	8	II		1 L	E0			Forbidden
UN 1907	SODA LIME with more than 4% sodium hydroxide	8	III		5 kg	E1			25 kg
UN 1908	CHLORITE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1910	CALCIUM OXIDE, regulated only when transported by aircraft	8	III	63	5 kg	E1			25 kg
UN 1911	DIBORANE	2.3 (2.1)		23, 38	0	E0	50	Forbidden	Forbidden
UN 1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1913	NEON, REFRIGERATED LIQUID	2.2		38	0.125 L	E1		Forbidden	50 L
UN 1914	BUTYL PROPIONATES	3	III		5 L	E1			60 L
UN 1915	CYCLOHEXANONE	3	III		5 L	E1			60 L
UN 1916	2,2'-DICHLORODIETHYL ETHER	6.1 (3)	II		0.1 L	E4	1000		5 L

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 1917	ETHYL ACRYLATE, STABILIZED	3	II	155	1 L	E2			5 L
UN 1918	ISOPROPYLBENZENE	3	III		5 L	E1			60 L
UN 1919	METHYL ACRYLATE, STABILIZED	3	II	155	1 L	E2			5 L
UN 1920	NONANES	3	III		5 L	E1			60 L
UN 1921	PROPYLENEIMINE, STABILIZED	3 (6.1)	I	155	0	E0	1000		1 L
UN 1922	PYRROLIDINE	3 (8)	II		1 L	E2			1 L
UN 1923	CALCIUM DITHIONITE; CALCIUM HYDROSULFITE; or CALCIUM HYDROSULPHITE	4.2	II		0	E2	3000	Forbidden	15 kg
UN 1928	METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	4.3 (3)	I		0	E0	1000	Forbidden	Forbidden
UN 1929	POTASSIUM DITHIONITE; POTASSIUM HYDROSULFITE; or POTASSIUM HYDROSULPHITE	4.2	II		0	E2	3000	Forbidden	15 kg
UN 1931	ZINC DITHIONITE; ZINC HYDROSULFITE; or ZINC HYDROSULPHITE	9	III		5 kg	E1			100 kg
UN 1932	ZIRCONIUM SCRAP	4.2	III		0	E0		Forbidden	Forbidden
UN 1935	CYANIDE SOLUTION, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 1938	BROMOACETIC ACID SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 1939	PHOSPHORUS OXYBROMIDE	8	II		1 kg	E0			Forbidden
UN 1940	THIOGLYCOLIC ACID	8	II		1 L	E2			1 L
UN 1941	DIBROMODIFLUOROMETHANE	9	III		5 L	E1			100 L
UN 1942	AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	III	37	5 kg	E1			25 kg
UN 1944	MATCHES, SAFETY (book, card or strike on box)	4.1	III	69, 163	5 kg	E1			25 kg
UN 1945	MATCHES, WAX "VESTA"	4.1	III	69, 163	5 kg	E1			25 kg
UN 1950	AEROSOLS containing compressed oxygen	2.2 (5.1)		80	0.125 L	E0			75 L
UN 1950	AEROSOLS, flammable	2.1		80, 107	1 L	E0			75 L
UN 1950	AEROSOLS, flammable, containing substances in Class 6.1, packing group II	2.1 (6.1)		80	0.125 L	E0			Forbidden
UN 1950	AEROSOLS, flammable, containing substances in Class 6.1, packing group III	2.1 (6.1)		80	0.125 L	E0			75 L
UN 1950	AEROSOLS, flammable, containing substances in Class 6.1, packing group III and in Class 8, packing group II	2.1 (8) (6.1)		80	0.125 L	E0			Forbidden
UN 1950	AEROSOLS, flammable, containing substances in Class 6.1, packing group III and in Class 8, packing group III	2.1 (6.1) (8)		80	0.125 L	E0			75 L
UN 1950	AEROSOLS, flammable, containing substances in Class 8, packing group II	2.1 (8)		80	1 L	E0			Forbidden
UN 1950	AEROSOLS, flammable, containing substances in Class 8, packing group III	2.1 (8)		80	1 L	E0			75 L
UN 1950	AEROSOLS, non-flammable	2.2		80, 107	1 L	E0			75 L
UN 1950	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group II	2.2 (6.1)		80	0.125 L	E0			Forbidden
UN 1950	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III	2.2 (6.1)		80	0.125 L	E0			75 L

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UN 1950	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III and in Class 8, packing group II	2.2 (8) (6.1)		80	0.125 L	E0			Forbidden
UN 1950	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III and in Class 8, packing group III	2.2 (6.1) (8)		80	0.125 L	E0			75 L
UN 1950	AEROSOLS, non-flammable, containing substances in Class 8, packing group II	2.2 (8)		80	1 L	E0			Forbidden
UN 1950	AEROSOLS, non-flammable, containing substances in Class 8, packing group III	2.2 (8)		80	1 L	E0			75 L
UN 1951	ARGON, REFRIGERATED LIQUID	2.2			0.125 L	E1		Forbidden	75 L
UN 1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	2.2			0.125 L	E1			75 L
UN 1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3 (2.1)		16, 23, 38	0	E0	50	Forbidden	Forbidden
UN 1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2.1		16	0.125 L	E0	3000	Forbidden	Forbidden
UN 1955	COMPRESSED GAS, TOXIC, N.O.S.	2.3		16, 23, 38	0	E0	50	Forbidden	Forbidden
UN 1956	COMPRESSED GAS, N.O.S.	2.2		16, 148	0.125 L	E0			75 L
UN 1957	DEUTERIUM, COMPRESSED	2.1		38	0.125 L	E1	3000	Forbidden	Forbidden
UN 1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE; or REFRIGERANT GAS R 114	2.2			0.125 L	E0			75 L
UN 1959	1,1-DIFLUOROETHYLENE; or REFRIGERANT GAS R 1132a	2.1		38	0.125 L	E0	3000	Forbidden	Forbidden
UN 1961	ETHANE, REFRIGERATED LIQUID	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1962	ETHYLENE	2.1			0.125 L	E1	3000	Forbidden	Forbidden
UN 1963	HELIUM, REFRIGERATED LIQUID	2.2			0.125 L	E0		Forbidden	50 L
UN 1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	2.1		16	0.125 L	E0	3000	Forbidden	Forbidden
UN 1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	2.1		16	0.125 L	E0	3000	Forbidden	Forbidden
UN 1966	HYDROGEN, REFRIGERATED LIQUID	2.1			0	E0	3000	Forbidden	Forbidden
UN 1967	INSECTICIDE GAS, TOXIC, N.O.S.	2.3		16, 23, 38	0	E1	25	Forbidden	Forbidden
UN 1968	INSECTICIDE GAS, N.O.S.	2.2		16	0.125 L	E0			75 L
UN 1969	ISOBUTANE	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1970	KRYPTON, REFRIGERATED LIQUID	2.2		38	0.125 L	E1		Forbidden	50 L
UN 1971	METHANE, COMPRESSED; or NATURAL GAS, COMPRESSED with high methane content	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 1972	METHANE, REFRIGERATED LIQUID; or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2.1			0	E0	3000	Forbidden	Forbidden
UN 1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane; or REFRIGERANT GAS R 502	2.2			0.125 L	E1			75 L
UN 1974	CHLORODIFLUOROBROMOMETHANE; or REFRIGERANT GAS R 12B1	2.2			0.125 L	E1			75 L
UN 1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE; or NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 1976	OCTAFLUOROCYCLOBUTANE; or REFRIGERANT GAS RC 318	2.2			0.125 L	E1			75 L
UN 1977	NITROGEN, REFRIGERATED LIQUID	2.2			0.125 L	E1		450	50 L
UN 1978	PROPANE	2.1		88	0.125 L	E0	3000	110	Forbidden
UN 1982	REFRIGERANT GAS R 14; or TETRAFLUOROMETHANE	2.2		38	0.125 L	E1			75 L
UN 1983	1-CHLORO-2,2,2-TRIFLUOROETHANE; or REFRIGERANT GAS R 133a	2.2			0.125 L	E1			75 L
UN 1984	REFRIGERANT GAS R 23; or TRIFLUOROMETHANE	2.2			0.125 L	E1			75 L
UN 1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	Forbidden 1 L 60 L
UN 1987	ALCOHOLS, N.O.S.	3	II III	16, 150 16, 150	1 L 5 L	E2 E1			5 L 60 L
UN 1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	Forbidden 1 L 60 L
UN 1989	ALDEHYDES, N.O.S.	3	I II III	16 16 16	0 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1990	BENZALDEHYDE	9	III		5 L	E1			100 L
UN 1991	CHLOROPRENE, STABILIZED	3 (6.1)	I	155	0	E0	1000	Forbidden	Forbidden
UN 1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3 (6.1)	I II III	16 16 16	0 1 L 5 L	E0 E1 E2	1000	Forbidden	Forbidden 1 L 60 L
UN 1993	FLAMMABLE LIQUID, N.O.S.	3	I II III	16, 150 16, 150 16, 150	0 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 1994	IRON PENTACARBONYL	6.1 (3)	I	23, 38	0	E0	1000	Forbidden	Forbidden
UN 1999	TARS, LIQUID, including road oils, and cutback bitumens	3	II III		5 L 5 L	E2 E1			5 L 60 L
UN 2000	CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	III	160	5 kg	E1			25 kg
UN 2001	COBALT NAPHTHENATES, POWDER	4.1	III		5 kg	E1			25 kg
UN 2002	CELLULOID, SCRAP	4.2	III		0	E0		Forbidden	Forbidden
UN 2004	MAGNESIUM DIAMIDE	4.2	II		0	E2			15 kg
UN 2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	III	16, 38	0	E0			Forbidden
UN 2008	ZIRCONIUM POWDER, DRY	4.2	I II III	38	0 0 0	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 2009	ZIRCONIUM, DRY, finished sheets, strip or coiled wire	4.2	III		0	E1		Forbidden	25 kg
UN 2010	MAGNESIUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 2011	MAGNESIUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 2012	POTASSIUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 2013	STRONTIUM PHOSPHIDE	4.3 (6.1)	I	38	0	E0	1000	Forbidden	Forbidden
UN 2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1 (8)	II		1 L	E2		Forbidden	Forbidden
UN 2015	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide; or HYDROGEN PEROXIDE, STABILIZED	5.1 (8)	I		0	E0	1000	Forbidden	Forbidden

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UN 2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1			0	E0		Forbidden	Forbidden
UN 2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1 (8)			0	E0		Forbidden	Forbidden
UN 2018	CHLOROANILINES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 2019	CHLOROANILINES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 2020	CHLOROPHENOLS, SOLID	6.1	III	133	5 kg	E1			100 kg
UN 2021	CHLOROPHENOLS, LIQUID	6.1	III		5 L	E1			60 L
UN 2022	CRESYLIC ACID	6.1 (8)	II		0.1 L	E4			1 L
UN 2023	EPICHLOROHYDRIN	6.1 (3)	II	43	0.1 L	E4	1000		5 L
UN 2024	MERCURY COMPOUND, LIQUID, N.O.S., except cinnabar	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2025	MERCURY COMPOUND, SOLID, N.O.S., except cinnabar	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E4	1000		5 kg 25 kg 100 kg
UN 2027	SODIUM ARSENITE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 2028	BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	8	II		0	E0		Forbidden	Forbidden
UN 2029	HYDRAZINE, ANHYDROUS	8 (3) (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 2030	HYDRAZINE, AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8 (6.1)	I II III		0 1 L 5 L	E0 E0 E1		Forbidden Forbidden 5 L	Forbidden Forbidden 5 L
UN 2031	NITRIC ACID, other than red fuming, with more than 70% nitric acid	8 (5.1)	I		0	E1	3000	Forbidden	Forbidden
	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid	8 (5.1)	II		1 L	E0		Forbidden	Forbidden
	NITRIC ACID, other than red fuming, with less than 65% nitric acid	8	II		1 L	E2		Forbidden	Forbidden
UN 2032	NITRIC ACID, RED FUMING	8 (5.1) (6.1)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2033	POTASSIUM MONOXIDE	8	II		1 kg	E2			15 kg
UN 2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 2035	REFRIGERANT GAS R 143a; or 1,1,1-TRIFLUOROETHANE	2.1			0.125 L	E0	3000		Forbidden
UN 2036	XENON	2.2		38, 148	0.125 L	E1			75 L
UN 2037	GAS CARTRIDGES without a release device, non-refillable; or RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable	2.1		80, 107	0.125 L	E0			1 L
UN 2037	GAS CARTRIDGES without a release device, non-refillable; or RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable	2.2		80, 107	0.125 L	E0			1 L
UN 2038	DINITROTOLUENES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 2044	2,2-DIMETHYLPROPANE	2.1			0.125 L	E0	3000	Forbidden	Forbidden

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UN 2045	ISOBUTYL ALDEHYDE; or ISOBUTYRALDEHYDE	3	II		1 L	E2		Forbidden	5 L
UN 2046	CYMENES	3	III		5 L	E1			60 L
UN 2047	DICHLOROPROPENES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2048	DICYCLOPENTADIENE	3	III		5 L	E1			60 L
UN 2049	DIETHYLBENZENE	3	III		5 L	E1			60 L
UN 2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	II		1 L	E2			5 L
UN 2051	2-DIMETHYLAMINOETHANOL	8 (3)	II		1 L	E2			1 L
UN 2052	DIPENTENE	3	III		5 L	E1			60 L
UN 2053	METHYL ISOBUTYL CARBINOL	3	III		5 L	E1			60 L
UN 2054	MORPHOLINE	8 (3)	I		0	E0	3000		0.5 L
UN 2055	STYRENE MONOMER, STABILIZED	3	III	155	5 L	E1			60 L
UN 2056	TETRAHYDROFURAN	3	II		1 L	E2			5 L
UN 2057	TRIPROPYLENE	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2058	VALERALDEHYDE	3	II		1 L	E2			5 L
UN 2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	I II III		0 1 L 5 L	E0 E0 E0		Forbidden	1 L 5 L 60 L
UN 2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	III	37, 68, 112, 113	5 kg	E1			25 kg
UN 2071	AMMONIUM NITRATE BASED FERTILIZER	9	III	112, 114	5 kg	E1			200 kg
UN 2073	AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 35% but not more than 50% ammonia	2.2			0.125 L	E0	3000	Forbidden	Forbidden
UN 2074	ACRYLAMIDE, SOLID	6.1	III		5 kg	E1			100 kg
UN 2075	CHLORAL, ANHYDROUS, STABILIZED	6.1	II		0.1 L	E4		Forbidden	5 L
UN 2076	CRESOLS, LIQUID	6.1 (8)	II		0.1 L	E4			Forbidden
UN 2077	<i>alpha</i> -NAPHTHYLAMINE	6.1	III		5 kg	E1			100 kg
UN 2078	TOLUENE DIISOCYANATE	6.1	II	43	0.1 L	E4	1000		5 L
UN 2079	DIETHYLENTRIAMINE	8	II		1 L	E2			1 L
UN 2186	HYDROGEN CHLORIDE, REFRIGERATED LIQUID	2.3 (8)		23, 38, 68	0	E0	500	Forbidden	Forbidden
UN 2187	CARBON DIOXIDE, REFRIGERATED LIQUID	2.2			0.125 L	E1		Forbidden	50 L
UN 2188	ARSINE	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2189	DICHLOROSILANE	2.3 (2.1) (8)		23, 38	0	E0	50	Forbidden	Forbidden
UN 2190	OXYGEN DIFLUORIDE, COMPRESSED	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2191	SULFURYL FLUORIDE; or SULPHURYL FLUORIDE	2.3		23	0	E0	500	Forbidden	Forbidden
UN 2192	GERMANE	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2193	HEXAFLUOROETHANE; or REFRIGERANT GAS R 116	2.2			0.125 L	E1			75 L
UN 2194	SELENIUM HEXAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2195	TELLURIUM HEXAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2196	TUNGSTEN HEXAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN 2197	HYDROGEN IODIDE, ANHYDROUS	2.3 (8)		23, 38	0	E0	500	Forbidden	Forbidden
UN 2198	PHOSPHORUS PENTAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2199	PHOSPHINE	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2200	PROPADIENE, STABILIZED	2.1		155	0	E0	3000		Forbidden
UN 2201	NITROUS OXIDE, REFRIGERATED LIQUID	2.2 (5.1)			0	E0	3000	Forbidden	Forbidden
UN 2202	HYDROGEN SELENIDE, ANHYDROUS	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2203	SILANE	2.1		38	0	E0	25	Forbidden	Forbidden
UN 2204	CARBONYL SULFIDE; or CARBONYL SULPHIDE	2.3 (2.1)		23, 38	0	E0	500	Forbidden	Forbidden
UN 2205	ADIPONITRILE	6.1	III		5 L	E1			60 L
UN 2206	ISOCYANATE SOLUTION, TOXIC, N.O.S.; or ISOCYANATES, TOXIC, N.O.S.	6.1	II III	16 16	0.1 L 5 L	E4 E1	3000	Forbidden Forbidden	5 L 60 L
UN 2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	5.1	III	94	5 kg	E1		Forbidden	25 kg
UN 2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8	III		5 L	E1			5 L
UN 2210	MANEB; or MANEB PREPARATION with not less than 60% maneb	4.2 (4.3)	III	45	0	E1			25 kg
UN 2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	9	III		5 kg	E1		Forbidden	100 kg
UN 2212	ASBESTOS, AMPHIBOLE (actinolite, amosite, anthophyllite, crocidolite, tremolite), when not fixed in a natural or artificial binder material or included in a manufactured product	9	II	139	1 kg	E0			Forbidden
UN 2213	PARAFORMALDEHYDE	4.1	III		5 kg	E1			25 kg
UN 2214	PTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	III		5 kg	E1			25 kg
UN 2215	MALEIC ANHYDRIDE MALEIC ANHYDRIDE, MOLTEN	8 8	III III		5 kg 0	E1 E0			25 kg Forbidden
UN 2216	FISH MEAL, STABILIZED, regulated only when transported by vessel; or FISH SCRAP, STABILIZED, regulated only when transported by vessel	9	III	97, 131, 132	5 kg	E1			
UN 2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2	III	36	0	E0			Forbidden
UN 2218	ACRYLIC ACID, STABILIZED	8 (3)	II	155	1 L	E2			1 L
UN 2219	ALLYL GLYCIDYL ETHER	3	III		5 L	E1			60 L
UN 2222	ANISOLE	3	III		5 L	E1			60 L
UN 2224	BENZONITRILE	6.1	II		0.1 L	E4			5 L
UN 2225	BENZENESULFONYL CHLORIDE; or BENZENESULPHONYL CHLORIDE	8	III		5 L	E1			5 L
UN 2226	BENZOTRICHLORIDE	8	II		1 L	E2	3000		1 L
UN 2227	n-BUTYL METHACRYLATE, STABILIZED	3	III	155	5 L	E1			60 L
UN 2232	2-CHLOROETHANAL	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 2233	CHLOROANISIDINES	6.1	III		5 kg	E1			100 kg
UN 2234	CHLOROBENZOTRIFLUORIDES	3	III		5 L	E1			60 L
UN 2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	III		5 L	E1			60 L
UN 2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1	II		0.1 L	E4			5 L
UN 2237	CHLORONITROANILINES	6.1	III		5 kg	E1			100 kg

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UN 2238	CHLOROTOLUENES	3	III		5 L	E1			60 L
UN 2239	CHLOROTOLUIDINES, SOLID	6.1	III		5 kg	E1			100 kg
UN 2240	CHROMOSULFURIC ACID; or CHROMOSULPHURIC ACID	8	I		0	E0	3000		0.5 L
UN 2241	CYCLOHEPTANE	3	II		1 L	E2			5 L
UN 2242	CYCLOHEPTENE	3	II		1 L	E2			5 L
UN 2243	CYCLOHEXYL ACETATE	3	III		5 L	E1			60 L
UN 2244	CYCLOPENTANOL	3	III		5 L	E1			60 L
UN 2245	CYCLOPENTANONE	3	III		5 L	E1			60 L
UN 2246	CYCLOPENTENE	3	II		1 L	E2		Forbidden	5 L
UN 2247	<i>n</i> -DECANE	3	III		5 L	E1			60 L
UN 2248	DI- <i>n</i> -BUTYLAMINE	8 (3)	II		1 L	E2	3000		1 L
UN 2249	DICHLORODIMETHYL ETHER, SYMMETRICAL	Forbidden							
UN 2250	DICHLOROPHENYL ISOCYANATES	6.1	II		0.5 kg	E4			25 kg
UN 2251	BICYCLO[2.2.1] HEPTA-2,5-DIENE, STABILIZED; or 2,5-NORBORNADIENE, STABILIZED	3	II	155	1 L	E2		Forbidden	5 L
UN 2252	1,2-DIMETHOXYETHANE	3	II		1 L	E2			5 L
UN 2253	<i>N,N</i> -DIMETHYLANILINE	6.1	II		0.1 L	E4			5 L
UN 2254	MATCHES, FUSEE	4.1	III	69	5 kg	E0			Forbidden
UN 2256	CYCLOHEXENE	3	II		1 L	E2		Forbidden	5 L
UN 2257	POTASSIUM	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 2258	1,2-PROPYLENEDIAMINE	8 (3)	II		1 L	E2	3000		1 L
UN 2259	TRIETHYLENETETRAMINE	8	II		1 L	E2			1 L
UN 2260	TRIPROPYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2261	XYLENOLS, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 2262	DIMETHYLCARBAMOYL CHLORIDE	8	II		1 L	E2			1 L
UN 2263	DIMETHYLCYCLOHEXANES	3	II		1 L	E2			5 L
UN 2264	DIMETHYLCYCLOHEXYLAMINE	8 (3)	II		1 L	E2			1 L
UN 2265	<i>N,N</i> -DIMETHYLFORMAMIDE	3	III		5 L	E1			60 L
UN 2266	DIMETHYL- <i>N</i> -PROPYLAMINE	3 (8)	II		1 L	E2			1 L
UN 2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1 (8)	II		0.1 L	E4			1 L
UN 2269	3,3'-IMINODIPROPYLAMINE	8	III		5 L	E1			5 L
UN 2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3 (8)	II		1 L	E2			1 L
UN 2271	ETHYL AMYL KETONE	3	III		5 L	E1			60 L
UN 2272	<i>N</i> -ETHYLANILINE	6.1	III		5 L	E1			60 L
UN 2273	2-ETHYLANILINE	6.1	III		5 L	E1			60 L
UN 2274	<i>N</i> -ETHYL- <i>N</i> -BENZYLANILINE	6.1	III		5 L	E1			60 L
UN 2275	2-ETHYLBUTANOL	3	III		5 L	E1			60 L
UN 2276	2-ETHYLHEXYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2277	ETHYL METHACRYLATE, STABILIZED	3	II	155	1 L	E2			5 L
UN 2278	<i>n</i> -HEPTENE	3	II		1 L	E2			5 L
UN 2279	HEXACHLOROBUTADIENE	6.1	III		5 L	E1			60 L
UN 2280	HEXAMETHYLENEDIAMINE, SOLID	8	III		5 kg	E1			25 kg

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UN 2281	HEXAMETHYLENE DIISOCYANATE	6.1	II		0.1 L	E4			5 L
UN 2282	HEXANOLS	3	III		5 L	E1			60 L
UN 2283	ISOBUTYL METHACRYLATE, STABILIZED	3	III	155	5 L	E1			60 L
UN 2284	ISOBUTYRONITRILE	3 (6.1)	II		1 L	E2		Forbidden	1 L
UN 2285	ISOCYANATOENZOTRIFLUORIDES	6.1 (3)	II	166	0.1 L	E4	1000	Forbidden	5 L
UN 2286	PENTAMETHYLHEPTANE	3	III		5 L	E1			60 L
UN 2287	ISOHEPTENES	3	II		1 L	E2			5 L
UN 2288	ISOHEXENES	3	II		1 L	E2		Forbidden	5 L
UN 2289	ISOPHORONEDIAMINE	8	III		5 L	E1			5 L
UN 2290	ISOPHORONE DIISOCYANATE	6.1	III		5 L	E1			60 L
UN 2291	LEAD COMPOUND, SOLUBLE, N.O.S.	6.1	III	24	5 kg	E1			100 kg
UN 2293	4-METHOXY-4-METHYLPENTAN-2-ONE	3	III		5 L	E1			60 L
UN 2294	N-METHYLANILINE	6.1	III		5 L	E1			60 L
UN 2295	METHYL CHLOROACETATE	6.1 (3)	I		0	E0	1000	Forbidden	1 L
UN 2296	METHYLCYCLOHEXANE	3	II		1 L	E2			5 L
UN 2297	METHYLCYCLOHEXANONE	3	III		5 L	E1			60 L
UN 2298	METHYLCYCLOPENTANE	3	II		1 L	E2			5 L
UN 2299	METHYL DICHLOROACETATE	6.1	III		5 L	E1			60 L
UN 2300	2-METHYL-5-ETHYLPYRIDINE	6.1	III		5 L	E1			60 L
UN 2301	2-METHYLFURAN	3	II		1 L	E2		Forbidden	5 L
UN 2302	5-METHYLHEXAN-2-ONE	3	III		5 L	E1			60 L
UN 2303	ISOPROPENYLBENZENE	3	III		5 L	E1			60 L
UN 2304	NAPHTHALENE, MOLTEN	4.1	III		0	E0			Forbidden
UN 2305	NITROBENZENESULFONIC ACID; or NITROBENZENESULPHONIC ACID	8	II		1 kg	E2			1 kg
UN 2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1	II		0.1 L	E4			5 L
UN 2307	3-NITRO-4-CHLOROBENZOTRIFLUORIDE	6.1	II		0.1 L	E4			5 L
UN 2308	NITROSYLSULFURIC ACID, LIQUID; or NITROSYLSULPHURIC ACID, LIQUID	8	II		1 L	E2		Forbidden	1 L
UN 2309	OCTADIENE	3	II		1 L	E2			5 L
UN 2310	PENTANE-2,4-DIONE	3 (6.1)	III		5 L	E1			60 L
UN 2311	PHENETIDINES	6.1	III	43	5 L	E1			60 L
UN 2312	PHENOL, MOLTEN	6.1	II		0	E0	3000		Forbidden
UN 2313	PICOLINES	3	III		5 L	E1			60 L
UN 2315	POLYCHLORINATED BIPHENYLS, LIQUID, regulated only when the concentration is more than 50 ppm, by mass	9	II		1 L	E2			100 L
UN 2316	SODIUM CUPROCYANIDE, SOLID	6.1	I		0	E5	1000		5 L
UN 2317	SODIUM CUPROCYANIDE SOLUTION	6.1	I		0	E5	1000		1 L
UN 2318	SODIUM HYDROSULFIDE with less than 25% water of crystallization; or SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2	II		0	E2			15 L
UN 2319	TERPENE HYDROCARBONS, N.O.S.	3	III		5 L	E1			60 L
UN 2320	TETRAETHYLENEPENTAMINE	8	III		5 L	E1			5 L
UN 2321	TRICHLOROBENZENES, LIQUID	6.1	III		5 L	E1			60 L
UN 2322	TRICHLOROBUTENE	6.1	II		0.1 L	E4			5 L

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UN 2323	TRIETHYL PHOSPHITE	3	III		5 L	E1			60 L
UN 2324	TRIIISOBTYLENE	3	III		5 L	E1			60 L
UN 2325	1,3,5-TRIMETHYLBENZENE	3	III		5 L	E1			60 L
UN 2326	TRIMETHYLCYCLOHEXYLAMINE	8	III		5 L	E1			5 L
UN 2327	TRIMETHYLHEXAMETHYLENEDIAMINES	8	III		5 L	E1			5 L
UN 2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1	III		5 L	E1			60 L
UN 2329	TRIMETHYL PHOSPHITE	3	III		5 L	E1			60 L
UN 2330	UNDECANE	3	III		5 L	E1			60 L
UN 2331	ZINC CHLORIDE, ANHYDROUS	8	III		5 kg	E1			25 kg
UN 2332	ACETALDEHYDE OXIME	3	III		5 L	E1			60 L
UN 2333	ALLYL ACETATE	3 (6.1)	II		1 L	E2	1000	Forbidden	1 L
UN 2334	ALLYLAMINE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2335	ALLYL ETHYL ETHER	3 (6.1)	II		1 L	E2	1000	Forbidden	1 L
UN 2336	ALLYL FORMATE	3 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 2337	PHENYL MERCAPTAN	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2338	BENZOTRIFLUORIDE	3	II		1 L	E2			5 L
UN 2339	2-BROMOBUTANE	3	II		1 L	E2			5 L
UN 2340	2-BROMOETHYL ETHYL ETHER	3	II		1 L	E2			5 L
UN 2341	1-BROMO-3-METHYLBUTANE	3	III		5 L	E1			60 L
UN 2342	BROMOMETHYLPROPANES	3	II		1 L	E2			5 L
UN 2343	2-BROMOPENTANE	3	II		1 L	E2			5 L
UN 2344	BROMOPROPANES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2345	3-BROMOPROPYNE	3	II		1 L	E2		Forbidden	5 L
UN 2346	BUTANEDIONE	3	II		1 L	E2			5 L
UN 2347	BUTYL MERCAPTAN	3	II		1 L	E2			5 L
UN 2348	BUTYL ACRYLATES, STABILIZED	3	III	155	5 L	E1			60 L
UN 2350	BUTYL METHYL ETHER	3	II		1 L	E2			5 L
UN 2351	BUTYL NITRITES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2352	BUTYL VINYL ETHER, STABILIZED	3	II	155	1 L	E2			5 L
UN 2353	BUTYRYL CHLORIDE	3 (8)	II		1 L	E2			1 L
UN 2354	CHLOROMETHYL ETHYL ETHER	3 (6.1)	II		1 L	E2	3000	Forbidden	1 L
UN 2356	2-CHLOROPROPANE	3	I		0	E3		Forbidden	1 L
UN 2357	CYCLOHEXYLAMINE	8 (3)	II		1 L	E2			1 L
UN 2358	CYCLOOCTATETRAENE	3	II		1 L	E2			5 L
UN 2359	DIALLYLAMINE	3 (6.1) (8)	II		1 L	E2	1000		1 L
UN 2360	DIALLYL ETHER	3 (6.1)	II		1 L	E2	1000	Forbidden	1 L
UN 2361	DIISOBUTYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2362	1,1-DICHLOROETHANE	3	II		1 L	E2			5 L
UN 2363	ETHYL MERCAPTAN	3	I		0	E0		Forbidden	Forbidden
UN 2364	n-PROPYLBENZENE	3	III		5 L	E1			60 L
UN 2366	DIETHYL CARBONATE	3	III		5 L	E1			60 L

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UN 2367	<i>alpha</i> -METHYLVALERALDEHYDE	3	II		1 L	E2			5 L
UN 2368	<i>alpha</i> -PINENE	3	III		5 L	E1			60 L
UN 2370	1-HEXENE	3	II		1 L	E2		Forbidden	5 L
UN 2371	ISOPENTENES	3	I		0	E3		Forbidden	1 L
UN 2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3	II		1 L	E2			5 L
UN 2373	DIETHOXYMETHANE	3	II		1 L	E2			5 L
UN 2374	3,3-DIETHOXYPROPENE	3	II		1 L	E2			5 L
UN 2375	DIETHYL SULFIDE; or DIETHYL SULPHIDE	3	II		1 L	E2		Forbidden	5 L
UN 2376	2,3-DIHYDROPYRAN	3	II		1 L	E2			5 L
UN 2377	1,1-DIMETHOXYETHANE	3	II		1 L	E2			5 L
UN 2378	2-DIMETHYLAMINOACETONITRILE	3 (6.1)	II		1 L	E2	1000		1 L
UN 2379	1,3-DIMETHYLBUTYLAMINE	3 (8)	II		1 L	E2			1 L
UN 2380	DIMETHYLDIETHOXSILANE	3	II		1 L	E2			5 L
UN 2381	DIMETHYL DISULFIDE; or DIMETHYL DISULPHIDE	3 (6.1)	II		1 L	E0	1000		5 L
UN 2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2383	DIPROPYLAMINE	3 (8)	II	155	1 L	E2	3000		1 L
UN 2384	DI- <i>n</i> -PROPYL ETHER	3	II		1 L	E2			5 L
UN 2385	ETHYL ISOBUTYRATE	3	II		1 L	E2			5 L
UN 2386	1-ETHYLPYPERIDINE	3 (8)	II		1 L	E2	3000		1 L
UN 2387	FLUOROBENZENE	3	II		1 L	E2			5 L
UN 2388	FLUOROTOLUENES	3	II		1 L	E2			5 L
UN 2389	FURAN	3	I		0	E3		Forbidden	1 L
UN 2390	2-IODOBUTANE	3	II		1 L	E2			5 L
UN 2391	IODOMETHYLPROPANES	3	II		1 L	E2			5 L
UN 2392	IODOPROPANES	3	III		5 L	E1			60 L
UN 2393	ISOBUTYL FORMATE	3	II		1 L	E2			5 L
UN 2394	ISOBUTYL PROPIONATE	3	III		5 L	E1			60 L
UN 2395	ISOBUTYRYL CHLORIDE	3 (8)	II		1 L	E2	3000		1 L
UN 2396	METHACRYLALDEHYDE, STABILIZED	3 (6.1)	II	155	1 L	E2	1000	Forbidden	1 L
UN 2397	3-METHYLBUTAN-2-ONE	3	II		1 L	E2			5 L
UN 2398	METHYL <i>tert</i> -BUTYL ETHER	3	II		1 L	E2		Forbidden	5 L
UN 2399	1-METHYLPYPERIDINE	3 (8)	II		1 L	E2			1 L
UN 2400	METHYL ISOVALERATE	3	II		1 L	E2			5 L
UN 2401	PIPERIDINE	8 (3)	I		0	E0	3000	Forbidden	0.5 L
UN 2402	PROPANETHIOLS	3	II		1 L	E2		Forbidden	5 L
UN 2403	ISOPROPENYL ACETATE	3	II		1 L	E2			5 L
UN 2404	PROPIONITRILE	3 (6.1)	II		1 L	E0	1000	Forbidden	Forbidden
UN 2405	ISOPROPYL BUTYRATE	3	III		5 L	E1			60 L
UN 2406	ISOPROPYL ISOBUTYRATE	3	II		1 L	E2			5 L
UN 2407	ISOPROPYL CHLOROFORMATE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2409	ISOPROPYL PROPIONATE	3	II		1 L	E2			5 L
UN 2410	1,2,3,6-TETRAHYDROPYRIDINE	3	II		1 L	E2			5 L

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UN 2411	BUTYRONITRILE	3 (6.1)	II		1 L	E2	3000	Forbidden	1 L
UN 2412	TETRAHYDROTHIOPHENE	3	II		1 L	E2			5 L
UN 2413	TETRAPROPYL ORTHOTITANATE	3	III		5 L	E1			60 L
UN 2414	THIOPHENE	3	II		1 L	E2			5 L
UN 2416	TRIMETHYL BORATE	3	II		1 L	E2			5 L
UN 2417	CARBONYL FLUORIDE	2.3 (8)		23, 38	0	E0	50	Forbidden	Forbidden
UN 2418	SULFUR TETRAFLUORIDE; or SULPHUR TETRAFLUORIDE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2419	BROMOTRIFLUOROETHYLENE	2.1			0	E0	3000		Forbidden
UN 2420	HEXAFLUOROACETONE	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2421	NITROGEN TRIOXIDE	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2422	OCTAFLUOROBUT-2-ENE; or REFRIGERANT GAS R 1318	2.2			0.125 L	E1			75 L
UN 2424	OCTAFLUOROPROPANE; or REFRIGERANT GAS R 218	2.2			0.125 L	E1			75 L
UN 2426	AMMONIUM NITRATE, LIQUID (hot concentrated solution), with not more than 0.2% combustible material, in a concentration exceeding 80%	5.1			0	E0	1000	Forbidden	Forbidden
UN 2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	I II III		0 1 kg 5 kg	E0 E2 E1	3000		1 kg 15 kg 25 kg
UN 2431	ANISIDINES	6.1	III		5 L	E1			60 L
UN 2432	N,N-DIETHYLANILINE	6.1	III	43	5 L	E1			60 L
UN 2433	CHLORONITROTOLUENES, LIQUID	6.1	III		5 L	E1			60 L
UN 2434	DIBENZYL DICHLOROSILANE	8	II		0	E0			1 L
UN 2435	ETHYLPHENYL DICHLOROSILANE	8	II		0	E0			Forbidden
UN 2436	THIOACETIC ACID	3	II		1 L	E2			5 L
UN 2437	METHYLPHENYL DICHLOROSILANE	8	II		0	E0			Forbidden
UN 2438	TRIMETHYLACETYL CHLORIDE	6.1 (3) (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2439	SODIUM HYDROGEN DIFLUORIDE	8	II		1 kg	E2			15 kg
UN 2440	STANNIC CHLORIDE PENTAHYDRATE	8	III		5 kg	E1			25 kg
UN 2441	TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC; or TITANIUM TRICHLORIDE, PYROPHORIC	4.2 (8)	I		0	E0	1000	Forbidden	Forbidden
UN 2442	TRICHLOROACETYL CHLORIDE	8	II	23	0	E0		Forbidden	Forbidden
UN 2443	VANADIUM OXYTRICHLORIDE	8	II		1 L	E0			Forbidden
UN 2444	VANADIUM TETRACHLORIDE	8	I		0	E0	3000		Forbidden
UN 2446	NITROCRESOLS, SOLID	6.1	III		5 kg	E1			100 kg
UN 2447	PHOSPHORUS, WHITE, MOLTEN	4.2 (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 2448	MOLTEN SULFUR; MOLTEN SULPHUR; SULFUR, MOLTEN; or SULPHUR, MOLTEN	4.1	III	32	0	E0			Forbidden

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UN 2451	NITROGEN TRIFLUORIDE	2.2 (5.1)		38	0	E0	25	Forbidden	75 L
UN 2452	ETHYLACETYLENE, STABILIZED	2.1		155	0	E0	3000		Forbidden
UN 2453	ETHYL FLUORIDE; or REFRIGERANT GAS R 161	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 2454	METHYL FLUORIDE; or REFRIGERANT GAS R 41	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 2455	METHYL NITRITE	Forbidden		68					
UN 2456	2-CHLOROPROPENE	3	I		0	E3		Forbidden	1 L
UN 2457	2,3-DIMETHYLBUTANE	3	II		1 L	E2		Forbidden	5 L
UN 2458	HEXADIENE	3	II		1 L	E2			5 L
UN 2459	2-METHYL-1-BUTENE	3	I		0	E3		Forbidden	1 L
UN 2460	2-METHYL-2-BUTENE	3	II		1 L	E2		Forbidden	5 L
UN 2461	METHYLPENTADIENE	3	II		1 L	E2		Forbidden	5 L
UN 2463	ALUMINUM HYDRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 2464	BERYLLIUM NITRATE	5.1 (6.1)	II		1 kg	E2	1000		5 kg
UN 2465	DICHLOROISOCYANURIC ACID, DRY; or DICHLOROISOCYANURIC ACID SALTS, except dihydrated sodium salts	5.1	II		1 kg	E2			5 kg
UN 2466	POTASSIUM SUPEROXIDE	5.1	I	38	0	E0	1000	Forbidden	Forbidden
UN 2468	TRICHLOROISOCYANURIC ACID, DRY	5.1	II		1 kg	E2			5 kg
UN 2469	ZINC BROMATE	5.1	III		5 kg	E1			25 kg
UN 2470	PHENYLACETONITRILE, LIQUID	6.1	III		5 L	E1			60 L
UN 2471	OSMIUM TETROXIDE	6.1	I	38	0	E5	1000		5 kg
UN 2473	SODIUM ARSANILATE	6.1	III		5 kg	E1			100 kg
UN 2474	THIOPHOSGENE	6.1	I	23, 43	0	E0	1000	Forbidden	Forbidden
UN 2475	VANADIUM TRICHLORIDE	8	III		5 kg	E1			25 kg
UN 2477	METHYL ISOTHIOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S.; or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	II III	16, 166 16, 166	1 L 5 L	E2 E1	1000	Forbidden	1 L 60 L
UN 2480	METHYL ISOCYANATE	6.1 (3)	I	23, 38	0	E0	1000	Forbidden	Forbidden
UN 2481	ETHYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2482	n-PROPYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2483	ISOPROPYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2484	tert-BUTYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2485	n-BUTYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2486	ISOBUTYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2487	PHENYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2488	CYCLOHEXYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2490	DICHLOROISOPROPYL ETHER	6.1	II		0.1 L	E4			5 L
UN 2491	ETHANOLAMINE; or ETHANOLAMINE SOLUTION	8	III		5 L	E1			5 L
UN 2493	HEXAMETHYLENEIMINE	3 (8)	II		1 L	E2			1 L
UN 2495	IODINE PENTAFLUORIDE	5.1 (6.1) (8)	I		0	E0	1000	Forbidden	Forbidden
UN 2496	PROPIONIC ANHYDRIDE	8	III		5 L	E1			5 L
UN 2498	1,2,3,6-TETRAHYDROBENZALDEHYDE	3	III		5 L	E1			60 L
UN 2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L

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UN 2502	VALERYL CHLORIDE	8 (3)	II		1 L	E2			1 L
UN 2503	ZIRCONIUM TETRACHLORIDE	8	III		5 kg	E1			25 kg
UN 2504	TETRABROMOETHANE	6.1	III		5 L	E1			60 L
UN 2505	AMMONIUM FLUORIDE	6.1	III		5 kg	E1			100 kg
UN 2506	AMMONIUM HYDROGEN SULFATE; or AMMONIUM HYDROGEN SULPHATE	8	II		1 kg	E2			15 kg
UN 2507	CHLOROPLATINIC ACID, SOLID	8	III		5 kg	E1			25 kg
UN 2508	MOLYBDENUM PENTACHLORIDE	8	III		5 kg	E1			25 kg
UN 2509	POTASSIUM HYDROGEN SULFATE; or POTASSIUM HYDROGEN SULPHATE	8	II		1 kg	E2			15 kg
UN 2511	2-CHLOROPROPIONIC ACID	8	III		5 L	E1			5 L
UN 2512	AMINOPHENOLS (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	III	43	5 kg	E1			100 kg
UN 2513	BROMOACETYL BROMIDE	8	II		1 L	E2			1 L
UN 2514	BROMOBENZENE	3	III		5 L	E1			60 L
UN 2515	BROMOFORM	6.1	III		5 L	E1			60 L
UN 2516	CARBON TETRABROMIDE	6.1	III		5 kg	E1			100 kg
UN 2517	1-CHLORO-1,1-DIFLUOROETHANE; or REFRIGERANT GAS R 142b	2.1			0.125 L	E0	3000		Forbidden
UN 2518	1,5,9-CYCLODODECATRIENE	6.1	III		5 L	E1			60 L
UN 2520	CYCLOOCTADIENES	3	III		5 L	E1			60 L
UN 2521	DIKETENE, STABILIZED	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 2522	2-DIMETHYLAMINOETHYL METHACRYLATE	6.1	II		0.1 L	E4		Forbidden	5 L
UN 2524	ETHYL ORTHOFORMATE	3	III		5 L	E1			60 L
UN 2525	ETHYL OXALATE	6.1	III		5 L	E1			60 L
UN 2526	FURFURYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2527	ISOBUTYL ACRYLATE, STABILIZED	3	III	155	5 L	E1			60 L
UN 2528	ISOBUTYL ISOBUTYRATE	3	III		5 L	E1			60 L
UN 2529	ISOBUTYRIC ACID	3 (8)	III		5 L	E1			5 L
UN 2531	METHACRYLIC ACID, STABILIZED	8	II	155	1 L	E2			1 L
UN 2533	METHYL TRICHLOROACETATE	6.1	III		5 L	E1			60 L
UN 2534	METHYLCHLOROSILANE	2.3 (2.1) (8)		23	0	E0	25	Forbidden	Forbidden
UN 2535	4-METHYLMORPHOLINE; or N-METHYLMORPHOLINE	3 (8)	II		1 L	E2	3000		1 L
UN 2536	METHYLTETRAHYDROFURAN	3	II		1 L	E2			5 L
UN 2538	NITRONAPHTHALENE	4.1	III		5 kg	E1			25 kg
UN 2541	TERPINOLENE	3	III		5 L	E1			60 L
UN 2542	TRIBUTYLAMINE	6.1	II		0.1 L	E4			5 L
UN 2545	HAFNIUM POWDER, DRY	4.2	I II III	38	0 0 0	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 2546	TITANIUM POWDER, DRY	4.2	I II III	38	0 0 0	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 2547	SODIUM SUPEROXIDE	5.1	I	38	0	E0	1000	Forbidden	Forbidden
UN 2548	CHLORINE PENTAFLUORIDE	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN 2552	HEXAFLUOROACETONE HYDRATE, LIQUID	6.1	II		0.1 L	E4			5 L
UN 2554	METHYLALLYL CHLORIDE	3	II		1 L	E2		Forbidden	5 L
UN 2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1	II	38	0	E0		Forbidden	50 kg
UN 2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	4.1	II	38	0	E0		Forbidden	15 kg
UN 2557	NITROCELLULOSE MIXTURE, WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT, with not more than 12.6 % nitrogen, by dry mass	4.1	II	38, 70	0	E0		Forbidden	1 kg
UN 2558	EPIBROMOHYDRIN	6.1 (3)	I		0	E0	1000	Forbidden	Forbidden
UN 2560	2-METHYLPENTAN-2-OL	3	III		5 L	E1			60 L
UN 2561	3-METHYL-1-BUTENE	3	I		0	E3		Forbidden	1 L
UN 2564	TRICHLOROACETIC ACID SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 2565	DICYCLOHEXYLAMINE	8	III		5 L	E1			5 L
UN 2567	SODIUM PENTACHLOROPHENATE	6.1	II		0.5 kg	E4			25 kg
UN 2570	CADMIUM COMPOUND	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2571	ALKYLSULFURIC ACIDS; or ALKYLSPHURIC ACIDS	8	II		1 L	E2			1 L
UN 2572	PHENYLHYDRAZINE	6.1	II		0.1 L	E4			5 L
UN 2573	THALLIUM CHLORATE	5.1 (6.1)	II		1 kg	E2	1000		5 kg
UN 2574	TRICRESYL PHOSPHATE with more than 3% ortho isomer	6.1	II		0.1 L	E4			5 L
UN 2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8	II		0	E0			Forbidden
UN 2577	PHENYLACETYL CHLORIDE	8	II		1 L	E2			1 L
UN 2578	PHOSPHORUS TRIOXIDE	8	III		5 kg	E1			25 kg
UN 2579	PIPERAZINE	8	III		5 kg	E1			25 kg
UN 2580	ALUMINUM BROMIDE SOLUTION	8	III		5 L	E1			5 L
UN 2581	ALUMINUM CHLORIDE SOLUTION	8	III		5 L	E1			5 L
UN 2582	FERRIC CHLORIDE SOLUTION	8	III		5 L	E1			5 L
UN 2583	ALKYLSULFONIC ACIDS, SOLID with more than 5% free sulfuric acid; ALKYLSPHONIC ACIDS, SOLID with more than 5% free sulphuric acid; ARYLSULFONIC ACIDS, SOLID with more than 5% free sulfuric acid; or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8	II		1 kg	E2			15 kg
UN 2584	ALKYLSULFONIC ACIDS, LIQUID with more than 5% free sulfuric acid; ALKYLSPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid; ARYLSULFONIC ACIDS, LIQUID with more than 5% free sulfuric acid; or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	II		1 L	E2			1 L
UN 2585	ALKYLSULFONIC ACIDS, SOLID with not more than 5% free sulfuric acid; ALKYLSPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid; ARYLSULFONIC ACIDS, SOLID with not more than 5% free sulfuric acid; or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8	III		5 kg	E1			25 kg

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UN 2586	ALKYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid; ALKYL SULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid; ARYLSULFONIC ACIDS, LIQUID with not more than 5% free sulfuric acid; or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	III		5 L	E1			5 L
UN 2587	BENZOQUINONE	6.1	II		0.5 kg	E4			25 kg
UN 2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2589	VINYL CHLOROACETATE	6.1 (3)	II		0.1 L	E4	1000		5 L
UN 2590	ASBESTOS, CHRYSOTILE, when not fixed in a natural or artificial binder material or included in a manufactured product	9	III	139	5 kg	E1			200 kg
UN 2591	XENON, REFRIGERATED LIQUID	2.2		38	0.125 L	E1		Forbidden	50 L
UN 2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane; or REFRIGERANT GAS R 503	2.2			0.125 L	E1			75 L
UN 2601	CYCLOBUTANE	2.1			0.125 L	E0	3000		Forbidden
UN 2602	DICHLORODIFLUOROMETHANE AND DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane; or REFRIGERANT GAS R 500	2.2			0.125 L	E1			75 L
UN 2603	CYCLOHEPTATRIENE	3 (6.1)	II		1 L	E2		Forbidden	1 L
UN 2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8 (3)	I		0	E0	3000	Forbidden	0.5 L
UN 2605	METHOXYMETHYL ISOCYANATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2606	METHYL ORTHOSILICATE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2607	ACROLEIN DIMER, STABILIZED	3	III	155	5 L	E1			60 L
UN 2608	NITROPROPANES	3	III		5 L	E1			60 L
UN 2609	TRIALLYL BORATE	6.1	III		5 L	E1			60 L
UN 2610	TRIALLYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2611	PROPYLENE CHLOROHYDRIN	6.1 (3)	II		0.1 L	E4	1000		5 L
UN 2612	METHYL PROPYL ETHER	3	II		1 L	E2		Forbidden	5 L
UN 2614	METHALLYL ALCOHOL	3	III		5 L	E1			60 L
UN 2615	ETHYL PROPYL ETHER	3	II		1 L	E2		Forbidden	5 L
UN 2616	TRIIISOPROPYL BORATE	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2617	METHYLCYCLOHEXANOLS, flammable	3	III		5 L	E1			60 L
UN 2618	VINYLTOLUENES, STABILIZED	3	III	155	5 L	E1			60 L
UN 2619	BENZYL DIMETHYLAMINE	8 (3)	II		1 L	E2			1 L
UN 2620	AMYL BUTYRATES	3	III		5 L	E1			60 L
UN 2621	ACETYL METHYL CARBINOL	3	III		5 L	E1			60 L
UN 2622	GLYCIDALDEHYDE	3 (6.1)	II		1 L	E2	1000		1 L
UN 2623	FIRELIGHTERS, SOLID with flammable liquid	4.1	III		5 kg	E1			25 kg
UN 2624	MAGNESIUM SILICIDE	4.3	II		0.5 kg	E2			15 kg
UN 2626	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5.1	II	38, 68	1 L	E0		Forbidden	Forbidden
UN 2627	NITRITES, INORGANIC, N.O.S.	5.1	II	16, 38, 68, 71	1 kg	E2			5 kg

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UN 2628	POTASSIUM FLUOROACETATE	6.1	I		0	E5	1000	Forbidden	5 kg
UN 2629	SODIUM FLUOROACETATE	6.1	I		0	E5	1000	Forbidden	5 kg
UN 2630	SELENATES; or SELENITES	6.1	I	16	0	E5	1000	Forbidden	5 kg
UN 2642	FLUOROACETIC ACID	6.1	I		0	E5	1000	Forbidden	1 kg
UN 2643	METHYL BROMOACETATE	6.1	II		0.1 L	E4		Forbidden	5 L
UN 2644	METHYL IODIDE	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 2645	PHENACYL BROMIDE	6.1	II		0.5 kg	E4			25 kg
UN 2646	HEXACHLOROCYCLOPENTADIENE	6.1	I	23	0	E0	1000	Forbidden	Forbidden
UN 2647	MALONONITRILE	6.1	II		0.5 kg	E4			25 kg
UN 2648	1,2-DIBROMOBUTAN-3-ONE	6.1	II		0.1 L	E4			5 L
UN 2649	1,3-DICHLOROACETONE	6.1	II		0.5 kg	E4			25 kg
UN 2650	1,1-DICHLORO-1-NITROETHANE	6.1	II		0.1 L	E4			5 L
UN 2651	4,4'-DIAMINODIPHENYLMETHANE	6.1	III		5 kg	E1			100 kg
UN 2653	BENZYL IODIDE	6.1	II		0.1 L	E4			5 L
UN 2655	POTASSIUM FLUROSILICATE	6.1	III		5 kg	E1			100 kg
UN 2656	QUINOLINE	6.1	III		5 L	E1			60 L
UN 2657	SELENIUM DISULFIDE; or SELENIUM DISULPHIDE	6.1	II		0.5 kg	E4			25 kg
UN 2659	SODIUM CHLOROACETATE	6.1	III		5 kg	E1			100 kg
UN 2660	MONONITROTOLUIDINES; or NITROTOLUIDINES	6.1	III		5 kg	E1			100 kg
UN 2661	HEXACHLOROACETONE	6.1	III		5 L	E1			60 L
UN 2664	DIBROMOMETHANE	6.1	III		5 L	E1			60 L
UN 2667	BUTYLTOLUENES	6.1	III		5 L	E1			60 L
UN 2668	CHLOROACETONITRILE	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 2669	CHLOROCRESOLS SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 2670	CYANURIC CHLORIDE	8	II		1 kg	E2			15 kg
UN 2671	AMINOPYRIDINES (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	II		0.5 kg	E4			25 kg
UN 2672	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15°C in water, with more than 10% but not more than 35% ammonia	8	III		5 L	E1			5 L
UN 2673	2-AMINO-4-CHLOROPHENOL	6.1	II		0.5 kg	E4			25 kg
UN 2674	SODIUM FLUROSILICATE	6.1	III		5 kg	E1			100 kg
UN 2676	STIBINE	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2677	RUBIDIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 2678	RUBIDIUM HYDROXIDE	8	II		1 kg	E2			15 kg
UN 2679	LITHIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 2680	LITHIUM HYDROXIDE	8	II		1 kg	E2			15 kg
UN 2681	CAESIUM HYDROXIDE SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 2682	CAESIUM HYDROXIDE	8	II		1 kg	E2			15 kg
UN 2683	AMMONIUM SULFIDE SOLUTION; or AMMONIUM SULPHIDE SOLUTION	8 (3) (6.1)	II		1 L	E2	1000		1 L
UN 2684	3-DIETHYLAMINOPROPYLAMINE	3 (8)	III		5 L	E1			5 L
UN 2685	N,N-DIETHYLETHYLENEDIAMINE	8 (3)	II		1 L	E2			1 L

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UN 2686	2-DIETHYLAMINOETHANOL	8 (3)	II		1 L	E2			1 L
UN 2687	DICYCLOHEXYLAMMONIUM NITRITE	4.1	III		5 kg	E1			25 kg
UN 2688	1-BROMO-3-CHLOROPROPANE	6.1	III		5 L	E1			60 L
UN 2689	GLYCEROL <i>alpha</i> -MONOCHLOROHYDRIN	6.1	III		5 L	E1			60 L
UN 2690	<i>N,n</i> -BUTYLIMIDAZOLE	6.1	II		0.1 L	E4			5 L
UN 2691	PHOSPHORUS PENTABROMIDE	8	II		1 kg	E0			Forbidden
UN 2692	BORON TRIBROMIDE	8	I	23	0	E0	1000		Forbidden
UN 2693	BISULFITES, AQUEOUS SOLUTION, N.O.S.; or BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8	III	16	5 L	E1			5 L
UN 2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% of maleic anhydride	8	III		5 kg	E1			25 kg
UN 2699	TRIFLUOROACETIC ACID	8	I		0	E0	3000		0.5 L
UN 2705	1-PENTOL	8	II		1 L	E2			1 L
UN 2707	DIMETHYLDIOXANES	3	II III		1 L 5 L	E2 E1			5 L 60 L
UN 2709	BUTYLBENZENES	3	III		5 L	E1			60 L
UN 2710	DIPROPYL KETONE	3	III		5 L	E1			60 L
UN 2713	ACRIDINE	6.1	III		5 kg	E1			100 kg
UN 2714	ZINC RESINATE	4.1	III		5 kg	E1			25 kg
UN 2715	ALUMINUM RESINATE	4.1	III		5 kg	E1			25 kg
UN 2716	1,4-BUTYNEDIOL	6.1	III		5 kg	E1			100 kg
UN 2717	CAMPHOR, synthetic	4.1	III		5 kg	E1			25 kg
UN 2719	BARIUM BROMATE	5.1 (6.1)	II		1 kg	E2	1000		5 kg
UN 2720	CHROMIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 2721	COPPER CHLORATE	5.1	II		1 kg	E2			5 kg
UN 2722	LITHIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 2723	MAGNESIUM CHLORATE	5.1	II		1 kg	E2			5 kg
UN 2724	MANGANESE NITRATE	5.1	III		5 kg	E1			25 kg
UN 2725	NICKEL NITRATE	5.1	III		5 kg	E1			25 kg
UN 2726	NICKEL NITRITE	5.1	III		5 kg	E1			25 kg
UN 2727	THALLIUM NITRATE	6.1 (5.1)	II		0.5 kg	E1			5 kg
UN 2728	ZIRCONIUM NITRATE	5.1	III		5 kg	E1			25 kg
UN 2729	HEXACHLOROBENZENE	6.1	III		5 kg	E1			100 kg
UN 2730	NITROANISLES, LIQUID	6.1	III		5 L	E1			60 L
UN 2732	NITROBROMOBENZENES, LIQUID	6.1	III		5 L	E1			60 L
UN 2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S.; or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3 (8)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	0.5 L 1 L 5 L
UN 2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.; or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8 (3)	I II	16 16	0 1 L	E0 E2	1000		0.5 L 1 L
UN 2735	AMINES, LIQUID, CORROSIVE, N.O.S.; or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000		0.5 L 1 L 5 L
UN 2738	<i>N</i> -BUTYLANILINE	6.1	II		0.1 L	E4			5 L
UN 2739	BUTYRIC ANHYDRIDE	8	III		5 L	E1			5 L

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UN 2740	n-PROPYL CHLOROFORMATE	6.1 (3) (8)	I	23	0	E0	1000		Forbidden
UN 2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1 (6.1)	II	38	1 kg	E2	1000		5 kg
UN 2742	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1 (3) (8)	II	166	0.1 L	E4	1000		1 L
UN 2743	n-BUTYL CHLOROFORMATE	6.1 (3) (8)	II	23	0.1 L	E0	1000		1 L
UN 2744	CYCLOBUTYL CHLOROFORMATE	6.1 (3) (8)	II		0.1 L	E4	1000		1 L
UN 2745	CHLOROMETHYL CHLOROFORMATE	6.1 (8)	II		0.1 L	E4	1000		1 L
UN 2746	PHENYL CHLOROFORMATE	6.1 (8)	II		0.1 L	E4	1000		1 L
UN 2747	tert-BUTYLCYCLOHEXYL CHLOROFORMATE	6.1	III		5 L	E1			60 L
UN 2748	2-ETHYLHEXYL CHLOROFORMATE	6.1 (8)	II		0.1 L	E4	3000		1 L
UN 2749	TETRAMETHYLSILANE	3	I		0	E0		Forbidden	Forbidden
UN 2750	1,3-DICHLOROPROPANOL-2	6.1	II		0.1 L	E4			5 L
UN 2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8	II		1 L	E2		Forbidden	15 L
UN 2752	1,2-EPOXY-3-ETHOXYPROPANE	3	III		5 L	E1			60 L
UN 2753	N-ETHYLBENZYL TOLUIDINES, LIQUID	6.1	III		5 L	E1			60 L
UN 2754	N-ETHYL TOLUIDINES	6.1	II		0.1 L	E4			5 L
UN 2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L

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UN 2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2785	4-THIAPENTANAL	6.1	III		5 L	E1		Forbidden	60 L
UN 2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2789	ACETIC ACID, GLACIAL; or ACETIC ACID SOLUTION, more than 80% acid, by mass	8 (3)	II		1 L	E2	3000		1 L
UN 2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass	8	II		1 L	E2			1 L
	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass	8	III		5 L	E1			5 L
UN 2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2	III		0	E1			25 kg
UN 2794	BATTERIES, WET, FILLED WITH ACID, electric storage	8			1 L	E0			30 kg
UN 2795	BATTERIES, WET, FILLED WITH ALKALI, electric storage	8			1 L	E0			30 kg
UN 2796	BATTERY FLUID, ACID; SULFURIC ACID with not more than 51% acid; or SULPHURIC ACID with not more than 51% acid	8	II		1 L	E2			1 L
UN 2797	BATTERY FLUID, ALKALI	8	II		1 L	E2			1 L
UN 2798	PHENYLPHOSPHORUS DICHLORIDE	8	II		1 L	E0			Forbidden
UN 2799	PHENYLPHOSPHORUS THIODICHLORIDE	8	II		1 L	E0			Forbidden
UN 2800	BATTERIES, WET, NON-SPILLABLE, electric storage	8		39	1 L	E0			
UN 2801	DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.; or DYE, LIQUID, CORROSIVE, N.O.S.	8	I	16	0	E0	3000		0.5 L
			II	16	1 L	E2			1 L
			III	16	5 L	E1			5 L
UN 2802	COPPER CHLORIDE	8	III		5 kg	E1			25 kg

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UN 2803	GALLIUM	8	III		5 kg	E0			20 kg
UN 2805	LITHIUM HYDRIDE, FUSED SOLID	4.3	II		0.5 kg	E2		Forbidden	15 kg
UN 2806	LITHIUM NITRIDE	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 2807	MAGNETIZED MATERIAL, regulated only when transported by aircraft	9	III	63		E0			
UN 2809	MERCURY	8 (6.1)	III	126	5 kg	E0			35 kg
UN 2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 2812	SODIUM ALUMINATE, SOLID, regulated only when transported by aircraft	8	III	63	5 kg	E1			25 kg
UN 2813	WATER-REACTIVE SOLID, N.O.S.	4.3	I II III	16, 38 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2	Category A	16, 38, 84, 164	0	E0			0.05 kg or 0.05 L
UN 2815	N-AMINOETHYLPIPERAZINE	8 (6.1)	III		5 L	E1			5 L
UN 2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8 (6.1)	II III		1 L 5 L	E2 E1	3000		1 L 5 L
UN 2818	AMMONIUM POLYSULFIDE SOLUTION; or AMMONIUM POLYSULPHIDE SOLUTION	8 (6.1)	II III		1 L 5 L	E2 E1	3000		1 L 5 L
UN 2819	AMYL ACID PHOSPHATE	8	III		5 L	E1			5 L
UN 2820	BUTYRIC ACID	8	III		5 L	E1			5 L
UN 2821	PHENOL SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 2822	2-CHLOROPYRIDINE	6.1	II		0.1 L	E4			5 L
UN 2823	CROTONIC ACID, SOLID	8	III		5 kg	E1			25 kg
UN 2826	ETHYL CHLOROTHIOFORMATE	8 (3)	II	23	0	E0	1000		Forbidden
UN 2829	CAPROIC ACID	8	III		5 L	E1			5 L
UN 2830	LITHIUM FERROSILICON	4.3	II		0.5 kg	E2	3000	Forbidden	15 kg
UN 2831	1,1,1-TRICHLOROETHANE	6.1	III		5 L	E1			60 L
UN 2834	PHOSPHOROUS ACID	8	III		5 kg	E1			25 kg
UN 2835	SODIUM ALUMINIUM HYDRIDE	4.3	II		0.5 kg	E0		Forbidden	Forbidden
UN 2837	BISULFATES, AQUEOUS SOLUTION; or BISULPHATES, AQUEOUS SOLUTION	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 2838	VINYL BUTYRATE, STABILIZED	3	II	155	1 L	E2			5 L
UN 2839	ALDOL	6.1	II		0.1 L	E4			5 L
UN 2840	BUTYRALDOXIME	3	III		5 L	E1			60 L
UN 2841	DI-n-AMYLAMINE	3 (6.1)	III		5 L	E1			60 L
UN 2842	NITROETHANE	3	III		5 L	E1			60 L
UN 2844	CALCIUM MANGANESE SILICON	4.3	III		1 kg	E1			25 kg
UN 2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2	I	16	0	E0	1000	Forbidden	Forbidden
UN 2846	PYROPHORIC SOLID, ORGANIC, N.O.S.	4.2	I	16, 38	0	E0	1000	Forbidden	Forbidden
UN 2849	3-CHLORO-PROPANOL-1	6.1	III		5 L	E1			60 L

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UN 2850	PROPYLENE TETRAMER	3	III		5 L	E1			60 L
UN 2851	BORON TRIFLUORIDE DIHYDRATE	8	II		1 L	E2			15 L
UN 2852	DIPICRYL SULFIDE, WETTED with not less than 10% water, by mass; or DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	4.1	I	38	0	E0	75	Forbidden	Forbidden
UN 2853	MAGNESIUM FLUROSILICATE	6.1	III		5 kg	E1			100 kg
UN 2854	AMMONIUM FLUROSILICATE	6.1	III		5 kg	E1			100 kg
UN 2855	ZINC FLUROSILICATE	6.1	III		5 kg	E1			100 kg
UN 2856	FLUROSILICATES, N.O.S.	6.1	III	16	5 kg	E1			100 kg
UN 2857	REFRIGERATING MACHINES containing non-flammable, non-toxic, gases or ammonia solutions (UN2672)	2.2			0	E0			450 kg
UN 2858	ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	III		5 kg	E1			25 kg
UN 2859	AMMONIUM METAVANADATE	6.1	II		0.5 kg	E4			25 kg
UN 2861	AMMONIUM POLYVANADATE	6.1	II		0.5 kg	E4			25 kg
UN 2862	VANADIUM PENTOXIDE, non-fused form	6.1	III		5 kg	E1			100 kg
UN 2863	SODIUM AMMONIUM VANADATE	6.1	II		0.5 kg	E4			25 kg
UN 2864	POTASSIUM METAVANADATE	6.1	II		0.5 kg	E4			25 kg
UN 2865	HYDROXYLAMINE SULFATE; or HYDROXYLAMINE SULPHATE	8	III		5 kg	E1			25 kg
UN 2869	TITANIUM TRICHLORIDE MIXTURE	8	II III		1 kg 5 kg	E2 E1			15 kg 25 kg
UN 2870	ALUMINUM BOROHRIDE; or ALUMINUM BOROHRIDE IN DEVICES	4.2 (4.3)	I	38	0	E0	1000	Forbidden	Forbidden
UN 2871	ANTIMONY POWDER	6.1	III		5 kg	E1			100 kg
UN 2872	DIBROMOCHLOROPROPANES	6.1	II III		0.1 L 5 L	E4 E1	1000		5 L 60 L
UN 2873	DIBUTYLAMINOETHANOL	6.1	III		5 L	E1			60 L
UN 2874	FURFURYL ALCOHOL	6.1	III		5 L	E1			60 L
UN 2875	HEXACHLOROPHENE	6.1	III		5 kg	E1			100 kg
UN 2876	RESORCINOL	6.1	III		5 kg	E1			100 kg
UN 2878	TITANIUM SPONGE GRANULES; or TITANIUM SPONGE POWDERS	4.1	III		5 kg	E1		Forbidden	25 kg
UN 2879	SELENIUM OXYCHLORIDE	8 (6.1)	I		0	E0	1000	Forbidden	0.5 L
UN 2880	CALCIUM HYPOCHLORITE, HYDRATED, with not less than 5.5% but not more than 16% water; or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	5.1	II III	94 94, 117	1 kg 5 kg	E2 E1		Forbidden Forbidden	5 kg 25 kg
UN 2881	METAL CATALYST, DRY	4.2	I II III	16, 38 16 16	0 0 0	E0 E0 E1	1000		Forbidden Forbidden 25 kg
UN 2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	6.2	Category A	16, 38, 84, 164	0	E0	See SP84		0.05 kg or 0.05 L
UN 2901	BROMINE CHLORIDE	2.3 (5.1) (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L

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UN 2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2904	CHLOROPHENOLATES, LIQUID; or PHENOLATES, LIQUID	8	III		5 L	E1			5 L
UN 2905	CHLOROPHENOLATES, SOLID; or PHENOLATES, SOLID	8	III		5 kg	E1			25 kg
UN 2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	4.1	II	38	0	E0	75	Forbidden	15 kg
UN 2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	7		72	0	E0			
UN 2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM DEPLETED URANIUM; RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL THORIUM; or RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM	7		72	0	E0			
UN 2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	7		72	0	E0			
UN 2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES; or RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS	7		72	0	E0			
UN 2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non-fissile or fissile excepted	7		74	0	E0	100		
UN 2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I), non-fissile or fissile excepted; or RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-II), non-fissile or fissile excepted	7		74	0	E0			
UN 2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile excepted	7		74	0	E0			
UN 2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non-fissile or fissile excepted	7		74	0	E0			
UN 2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non-fissile or fissile excepted	7		74	0	E0			
UN 2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non-fissile or fissile excepted	7		74	0	E0			
UN 2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8 (3)	I II	16 16	0 1 L	E0 E2	3000		0.5 L 1 L
UN 2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8 (4.1)	I II	16 16	0 1 kg	E0 E2	3000		1 kg 15 kg
UN 2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8 (6.1)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 2923	CORROSIVE SOLID, TOXIC, N.O.S.	8 (6.1)	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	3000		1 kg 15 kg 25 kg
UN 2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3 (8)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	0.5 L 1 L 5 L
UN 2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1 (8)	II III	16 16	1 kg 5 kg	E2 E1	1000	Forbidden Forbidden	15 kg 25 kg

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UN 2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1 (6.1)	II III	16 16	1 kg 5 kg	E2 E1	1000		15 kg 25 kg
UN 2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1 (8)	I II	16,115 16	0 0.1 L	E5 E4	1000		0.5 L 1 L
UN 2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1 (8)	I II	16 16	0 0.5 kg	E5 E4	1000		1 kg 15 kg
UN 2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1 (3)	I II	16, 115 16	0 0.1 L	E5 E4	1000		1 L 5 L
UN 2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1 (4.1)	I II	16 16	0 0.5 kg	E5 E4	1000		1 kg 15 kg
UN 2931	VANADYL SULFATE; or VANADYL SULPHATE	6.1	II		0.5 kg	E4			25 kg
UN 2933	METHYL 2-CHLOROPROPIONATE	3	III		5 L	E1			60 L
UN 2934	ISOPROPYL 2-CHLOROPROPIONATE	3	III		5 L	E1			60 L
UN 2935	ETHYL 2-CHLOROPROPIONATE	3	III		5 L	E1			60 L
UN 2936	THIOLACTIC ACID	6.1	II		0.1 L	E4			5 L
UN 2937	<i>alpha</i> -METHYLBENZYL ALCOHOL, LIQUID	6.1	III		5 L	E1			60 L
UN 2940	CYCLOOCTADIENE PHOSPHINES; or 9-PHOSPHABICYCLONANES	4.2	II		0	E2			15 kg
UN 2941	FLUOROANILINES	6.1	III		5 L	E1			60 L
UN 2942	2-TRIFLUOROMETHYLANILINE	6.1	III		5 L	E1			60 L
UN 2943	TETRAHYDROFURFURYLAMINE	3	III		5 L	E1			60 L
UN 2945	<i>N</i> -METHYLBUTYLAMINE	3 (8)	II		1 L	E2			1 L
UN 2946	2-AMINO-5-DIETHYLAMINOPENTANE	6.1	III		5 L	E1			60 L
UN 2947	ISOPROPYL CHLOROACETATE	3	III		5 L	E1			60 L
UN 2948	3-TRIFLUOROMETHYLANILINE	6.1	II		0.1 L	E4			5 L
UN 2949	SODIUM HYDROSULFIDE, HYDRATED with not less than 25% water of crystallization; or SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization	8	II		1 kg	E2			15 kg
UN 2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3	III		1 kg	E1			25 kg
UN 2956	5- <i>tert</i> -BUTYL-2,4,6-TRINITRO- <i>m</i> -XYLENE; or MUSK XYLENE	4.1	III	38	5 kg	E0	75	Forbidden	Forbidden
UN 2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3 (3) (8)	I		0	E0	1000	Forbidden	Forbidden
UN 2966	THIOGLYCOL	6.1	II		0.1 L	E4			5 L
UN 2967	SULFAMIC ACID; or SULPHAMIC ACID	8	III		5 kg	E1			25 kg
UN 2968	MANEB PREPARATION, STABILIZED against self-heating; or MANEB, STABILIZED against self-heating	4.3	III		1 kg	E1			25 kg
UN 2969	CASTOR BEANS; CASTOR FLAKE; CASTOR MEAL; or CASTOR POMACE	9	II		5 kg	E2		Forbidden	
UN 2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	7 (6.1) (8)			0	E0	25		Forbidden
UN 2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile excepted	7 (6.1) (8)			0	E0	25		Forbidden
UN 2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	3 (6.1)	I	166	0	E0	1000	Forbidden	Forbidden
UN 2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1	III		5 L	E1			2.5 L

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UN 2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3 (8)	II		0	E0			1 L
UN 2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8 (3)	II		0	E0			Forbidden
UN 2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	II		0	E0			Forbidden
UN 2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3 (3) (8)	I	38	0	E0	1000	Forbidden	Forbidden
UN 2989	LEAD PHOSPHITE, DIBASIC	4.1	II III		1 kg 5 kg	E2 E1			5 kg 15 kg
UN 2990	LIFE-SAVING APPLIANCES, SELF-INFLATING	9		21	0	E0			
UN 2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L

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UN 3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3015	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 3022	1,2-BUTYLENE OXIDE, STABILIZED	3	II	155	1 L	E2			5 L
UN 3023	2-METHYL-2-HEPTANETHIOL	6.1 (3)	I	23	0	E0	1000	Forbidden	Forbidden
UN 3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	8		111	2 kg	E0			25 kg
UN 3048	ALUMINUM PHOSPHIDE PESTICIDE	6.1	I	38	0	E0	1000	Forbidden	Forbidden
UN 3054	CYCLOHEXYL MERCAPTAN	3	III		5 L	E1			60 L
UN 3055	2-(2-AMINOETHOXY) ETHANOL	8	III		5 L	E1			5 L
UN 3056	<i>n</i> -HEPTALDEHYDE	3	III		5 L	E1			60 L
UN 3057	TRIFLUOROACETYL CHLORIDE	2.3 (8)		23	0	E0	25	Forbidden	Forbidden
UN 3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3	II	38	0	E0		Forbidden	Forbidden
UN 3065	ALCOHOLIC BEVERAGES with more than 70% alcohol, by volume	3	II		5 L	E2			5 L
	ALCOHOLIC BEVERAGES with more than 24% but not more than 70% alcohol, by volume	3	III		5 L	E1			60 L

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UN 3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass; or PAINT RELATED MATERIAL (including paint thinning or reducing compound) with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	8	II III	59, 142 59, 142	1 L 5 L	E2 E1			1 L 5 L
UN 3070	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	2.2			0.125 L	E1			75 L
UN 3071	MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S. ; or MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1 (3)	II	16	0.1 L	E4	1000		5 L
UN 3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING , containing dangerous goods as equipment	9		21	0	E0			
UN 3073	VINYLPYRIDINES, STABILIZED	6.1 (3) (8)	II	155	0.1 L	E4	1000		1 L
UN 3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	III	16, 99	5 kg	E1			
UN 3078	CERIUM , turnings or gritty powder	4.3	II		0.5 kg	E2		Forbidden	15 kg
UN 3079	METHACRYLONITRILE, STABILIZED	6.1 (3)	I	23, 155	0	E0	1000	Forbidden	Forbidden
UN 3080	ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S. ; or ISOCYANATES, TOXIC, FLAMMABLE, N.O.S.	6.1 (3)	II	16	0.1 L	E4	1000	Forbidden	5 L
UN 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III	16, 99	5 L	E1			
UN 3083	PERCHLORYL FLUORIDE	2.3 (5.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8 (5.1)	I II	16 16	0 1 kg	E0 E2			1 kg 15 kg
UN 3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1 (8)	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	1000	Forbidden	1 kg 5 kg 25 kg
UN 3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1 (5.1)	I II	16 16	0 0.5 kg	E5 E4	1000		1 kg 5 kg
UN 3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1 (6.1)	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	1000	Forbidden	1 kg 5 kg 25 kg
UN 3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	II III		1 kg 5 kg	E2 E1			15 kg 25 kg
UN 3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9		34, 123, 137, 138, 149, 159	0	E0			5 kg
UN 3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium alloy batteries); or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9		34, 123, 137, 138, 159	0	E0			5 kg
UN 3092	1-METHOXY-2-PROPANOL	3	III		5 L	E1			60 L
UN 3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8 (5.1)	I II	16 16	0 1 L	E0 E2	3000		Forbidden 1 L
UN 3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8 (4.3)	I II	16, 38 16	0 1 L	E0 E2	3000	Forbidden Forbidden	Forbidden 1 L

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UN 3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8 (4.2)	I II	16, 38 16	0 1 kg	E0 E2		Forbidden Forbidden	1 kg 15 kg
UN 3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8 (4.3)	I II	16, 38 16	0 1 kg	E0 E2		Forbidden Forbidden	1 kg 15 kg
UN 3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	Forbidden							
UN 3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1 (8)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	Forbidden 1 L 2.5 L
UN 3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1 (6.1)	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	Forbidden 1 L 2.5 L
UN 3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	Forbidden							
UN 3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2 (1)	II	16, 38	0.025 L	E0	75	Forbidden	Forbidden
UN 3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2 (1)	II	16, 38	0.1 kg	E0	75	Forbidden	Forbidden
UN 3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	II	16, 38	0.025 L	E0		Forbidden	5 L
UN 3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	II	16, 38	0.1 kg	E0		Forbidden	5 kg
UN 3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	II	16, 38	0.125 L	E0		Forbidden	5 L
UN 3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	II	16, 38	0.5 kg	E0		Forbidden	5 kg
UN 3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	II	16, 38	0.125 L	E0		Forbidden	10 L
UN 3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	II	16, 38	0.5 kg	E0		Forbidden	10 kg
UN 3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	II	16	0.125 L	E0		Forbidden	10 L
UN 3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	II	16	0.5 kg	E0		Forbidden	10 kg
UN 3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2 (1)	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2 (1)	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2	II	16	0	E0		Forbidden	Forbidden
UN 3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2	II	16	0	E0		Forbidden	Forbidden
UN 3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	Forbidden							
UN 3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1 (5.1)	I II	16, 115 16	0 0.1 L	E0 E4	3000		Forbidden 1 L
UN 3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1 (4.3)	I II	16, 115 16	0 0.1 L	E0 E4	1000 3000	Forbidden Forbidden	Forbidden 1 L
UN 3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1 (4.2)	I II	16, 38 16	0 0	E5 E4	1000	Forbidden Forbidden	5 kg 15 kg
UN 3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1 (4.3)	I II	16, 38 16	0 0.5 kg	E5 E4	1000	Forbidden Forbidden	5 kg 15 kg

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UN 3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2 (8)	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	Forbidden							
UN 3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2 (6.1)	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3 (8)	I II III	16, 38 16 16	0 0.5 L 1 L	E0 E0 E1	1000	Forbidden Forbidden Forbidden	Forbidden 1 L 5 L
UN 3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3 (6.1)	I II III	16, 38 16 16	0 0.5 L 1 L	E0 E0 E1	1000	Forbidden Forbidden Forbidden	Forbidden 1 L 5 L
UN 3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3 (8)	I II III	16, 38 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3 (4.1)	I II III	16, 38 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	Forbidden							
UN 3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3 (6.1)	I II III	16, 38 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3 (4.2)	I II III	16, 38 16 16	0 0 0	E0 E2 E1	1000	Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2.2			0.125 L	E1		Forbidden	50 L
UN 3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	Forbidden							
UN 3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene	2.1			0	E0		Forbidden	Forbidden
UN 3139	OXIDIZING LIQUID, N.O.S.	5.1	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	1000	Forbidden	Forbidden 1 L 2.5 L
UN 3140	ALKALOID SALTS, LIQUID, N.O.S.; or ALKALOIDS, LIQUID, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S., except antimony oxides and sulphides containing not more than 0.5% arsenic, by mass	6.1	III	16	5 L	E1			60 L
UN 3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3143	DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.; or DYE, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3144	NICOTINE COMPOUND, LIQUID, N.O.S.; or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	I II III		0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg

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UN 3147	DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.; or DYE, SOLID, CORROSIVE, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	3000		1 kg 15 kg 25 kg
UN 3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	I II III	16, 38 16 16	0 0.5 L 1 L	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 1 L 5 L
UN 3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1 (8)	II		1 L	E2		Forbidden	1 L
UN 3150	DEVICES, SMALL, HYDROCARBON GAS POWERED with release device; or HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	2.1			0.125 L	E0	3000		1 L
UN 3151	POLYHALOGENATED BIPHENYLS, LIQUID , regulated only when the concentration is more than 50 ppm, by mass; or HALOGENATED MONOMETHYLDIPHENYLMETHANES, LIQUID , regulated only when the concentration is more than 50 ppm, by mass; or POLYHALOGENATED TERPHENYLS, LIQUID , regulated only when the concentration is more than 50 ppm, by mass	9	II		1 L	E2			100 L
UN 3152	POLYHALOGENATED BIPHENYLS, SOLID , regulated only when the concentration is more than 50 ppm, by mass; or HALOGENATED MONOMETHYLDIPHENYLMETHANES, SOLID , regulated only when the concentration is more than 50 ppm, by mass; or POLYHALOGENATED TERPHENYLS, SOLID , regulated only when the concentration is more than 50 ppm, by mass	9	II		1 kg	E2			100 kg
UN 3153	PERFLUORO (METHYLVINYL ETHER)	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 3154	PERFLUORO (ETHYLVINYL ETHER)	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 3155	PENTACHLOROPHENOL	6.1	II		0.5 kg	E4			25 kg
UN 3156	COMPRESSED GAS, OXIDIZING, N.O.S.	2.2 (5.1)		16	0	E0	3000	25	75 L
UN 3157	LIQUEFIED GAS, OXIDIZING, N.O.S.	2.2 (5.1)		16	0	E0	3000	Forbidden	75 L
UN 3158	GAS, REFRIGERATED LIQUID, N.O.S.	2.2		16	0.125 L	E1		Forbidden	50 L
UN 3159	REFRIGERANT GAS R 134a; or 1,1,1,2-TETRAFLUOROETHANE	2.2			0.125 L	E1			75 L
UN 3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3 (2.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2.1		16	0.125 L	E0	3000	Forbidden	Forbidden
UN 3162	LIQUEFIED GAS, TOXIC, N.O.S.	2.3		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3163	LIQUEFIED GAS, N.O.S.	2.2		16	0.125 L	E1			75 L
UN 3164	ARTICLES, PRESSURIZED, HYDRAULIC (containing non-flammable gas); or ARTICLES, PRESSURIZED, PNEUMATIC (containing non-flammable gas)	2.2		40, 143	0.125 L	E0			
UN 3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK containing a mixture of anhydrous hydrazine and methylhydrazine (M86 fuel)	3 (6.1) (8)	I		0	E0	1000	Forbidden	Forbidden

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UN 3166	VEHICLE, FLAMMABLE GAS POWERED; or VEHICLE, FLAMMABLE LIQUID POWERED; or VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED; or VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED	9		93, 96, 156, 157	0	E0			Forbidden
UN 3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2.1		108	0.125 L	E0		Forbidden	1 L
UN 3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2.3 (2.1)		23, 108	0	E0		Forbidden	Forbidden
UN 3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2.3		23, 108	0	E0		Forbidden	Forbidden
UN 3170	ALUMINUM REMELTING BY-PRODUCTS, including, but not limited to, aluminum dross, aluminum skimmings, spent cathodes, spent potliner and aluminum salt slags; or ALUMINUM SMELTING BY-PRODUCTS, including, but not limited to, aluminum dross, aluminum skimmings, spent cathodes, spent potliner and aluminum salt slags	4.3	II III	161 161	0.5 kg 1 kg	E2 E1			15 kg 25 kg
UN 3171	BATTERY-POWERED EQUIPMENT; or BATTERY-POWERED VEHICLE	9		67, 96	0	E0			
UN 3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S., toxins from plant, animal or bacterial sources that contain infectious substances, or toxins that are contained in infectious substances must be classified in Division 6.2	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3174	TITANIUM DISULFIDE; or TITANIUM DISULPHIDE	4.2	III		0	E1			25 kg
UN 3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	4.1	II	16, 56	1 kg	E2			15 kg
UN 3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	II III	16 16	0 0	E0 E0			Forbidden Forbidden
UN 3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	II III	16 16	1 kg 5 kg	E2 E1			15 kg 25 kg
UN 3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1 (6.1)	II III	16 16	1 kg 5 kg	E2 E1			15 kg 25 kg
UN 3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1 (8)	II III	16 16	1 kg 5 kg	E2 E1		Forbidden Forbidden	15 kg 25 kg
UN 3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	II III	16 16	1 kg 5 kg	E2 E1			15 kg 25 kg
UN 3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	II III	16 16	1 kg 5 kg	E2 E1		Forbidden Forbidden	15 kg 25 kg
UN 3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2	II III	16 16	0 0	E2 E1			1 L 5 L
UN 3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2 (6.1)	II III	16 16	0 0	E2 E1	1000		1 L 5 L
UN 3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2 (8)	II III	16 16	0 0	E2 E1	1000		1 L 5 L
UN 3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2	II III	16 16	0 0	E2 E1	1000		1 L 5 L
UN 3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2 (6.1)	II III	16 16	0 0	E2 E1	1000		1 L 5 L
UN 3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2 (8)	II III	16 16	0 0	E2 E1			1 L 5 L

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2 (6.1)	II III	16 16	0 0	E2 E1	1000		15 kg 25 kg
UN 3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2 (8)	II III	16 16	0 0	E2 E1	1000		15 kg 25 kg
UN 3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.	4.2	I	16	0	E0	1000	Forbidden	Forbidden
UN 3200	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2	I	16	0	E0	1000	Forbidden	Forbidden
UN 3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2 (8)	II III	16 16	0 0	E2 E1			15 kg 25 kg
UN 3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	I II III	16 16 16	0 0.5 kg 1 kg	E0 E0 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3 (4.2)	I II III	16 16 16	0 0 0	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II III	16, 120 16, 120	1 L 5 L	E2 E1			1 L 2.5 L
UN 3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 3212	HYPOCHLORITES, INORGANIC, N.O.S.	5.1	II	16, 68, 118	1 kg	E2		Forbidden	5 kg
UN 3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II III	16, 119 16, 119	1 L 5 L	E2 E1			1 L 2.5 L
UN 3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II	16, 122	1 L	E2		Forbidden	1 L
UN 3215	PERSULFATES, INORGANIC, N.O.S.; or PERSULPHATES, INORGANIC, N.O.S.	5.1	III		5 kg	E1			25 kg
UN 3216	PERSULFATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.; or PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	III		5 L	E1			2.5 L
UN 3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II III	55 55	1 L 5 L	E2 E1			1 L 2.5 L
UN 3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	II III	16, 68 16, 68	1 L 5 L	E2 E1			1 L 2.5 L
UN 3220	PENTAFLUOROETHANE; or REFRIGERANT GAS R 125	2.2			0.125 L	E1			75 L
UN 3221	SELF-REACTIVE LIQUID TYPE B	4.1 (I)	II	16, 38	0.025 L	E0	75	Forbidden	Forbidden
UN 3222	SELF-REACTIVE SOLID TYPE B	4.1 (I)	II	16, 38	0.1 kg	E0	75	Forbidden	Forbidden
UN 3223	SELF-REACTIVE LIQUID TYPE C	4.1	II	16, 38	0.025 L	E0	3000	Forbidden	5 L
UN 3224	SELF-REACTIVE SOLID TYPE C	4.1	II	16, 38	0.1 kg	E0	3000	Forbidden	5 kg
UN 3225	SELF-REACTIVE LIQUID TYPE D	4.1	II	16, 38	0.125 L	E0		Forbidden	5 L
UN 3226	SELF-REACTIVE SOLID TYPE D	4.1	II	16, 38	0.5 kg	E0		Forbidden	5 kg
UN 3227	SELF-REACTIVE LIQUID TYPE E	4.1	II	16, 38	0.125 L	E0		Forbidden	10 L
UN 3228	SELF-REACTIVE SOLID TYPE E	4.1	II	16, 38	0.5 kg	E0		Forbidden	10 kg
UN 3229	SELF-REACTIVE LIQUID TYPE F	4.1	II	16, 38	0.125 L	E0		Forbidden	10 L
UN 3230	SELF-REACTIVE SOLID TYPE F	4.1	II	16, 38	0.5 kg	E0		Forbidden	10 kg

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UN 3231	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	4.1 (I)	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3232	SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	4.1 (I)	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3233	SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3234	SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3235	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0	75	Forbidden	Forbidden
UN 3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3237	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3238	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4.1	II	16, 28, 38	0	E0		Forbidden	Forbidden
UN 3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1	III	38, 73	5 kg	E1			25 kg
UN 3242	AZODICARBONAMIDE, technically pure substance or preparations having an SADT higher than 75°C	4.1	II		1 kg	E0		Forbidden	Forbidden
UN 3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	6.1	II	16, 57	0.5 kg	E4			25 kg
UN 3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	8	II	16, 58	1 kg	E2			15 kg
UN 3246	METHANESULFONYL CHLORIDE; or METHANESULPHONYL CHLORIDE	6.1 (8)	I	23	0	E0	1000	Forbidden	Forbidden
UN 3247	SODIUM PEROXOBORATE, ANHYDROUS	5.1	II		1 kg	E2			5 kg
UN 3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	II III	16, 38 16	1 L 5 L	E2 E1	1000		1 L 60 L
UN 3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	II III	16, 38 16	0.5 kg 5 kg	E4 E1			25 kg 100 kg
UN 3250	CHLOROACETIC ACID, MOLTEN	6.1 (8)	II		0	E0	1000		Forbidden
UN 3251	ISOSORBIDE-5-MONONITRATE, with less than 30% non-volatile, non-flammable phlegmatizer	4.1	III		5 kg	E0		Forbidden	Forbidden
UN 3252	DIFLUOROMETHANE; or REFRIGERANT GAS R 32	2.1			0.125 L	E0	3000	Forbidden	Forbidden
UN 3253	DISODIUM TRIOXOSILICATE	8	III		5 kg	E1			25 kg
UN 3254	TRIBUTYLPHOSPHANE	4.2	I		0	E0	1000	Forbidden	Forbidden
UN 3255	tert-BUTYL HYPOCHLORITE	Forbidden							
UN 3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S., with flash point above 60°C, at or above its flash point	3	III	16	0	E0			Forbidden
UN 3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100°C and below its flash point (including molten metals, molten salts, etc.)	9	III	16	0	E0			Forbidden
UN 3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240°C	9	III	16	0	E0			Forbidden
UN 3259	AMINES, SOLID, CORROSIVE, N.O.S.; or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1	3000		1 kg 5 kg 25 kg

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UN 3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1			1 kg 15 kg 25 kg
UN 3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1			1 kg 15 kg 25 kg
UN 3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1			1 kg 15 kg 25 kg
UN 3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	I II III	16 16 16	0 1 kg 5 kg	E0 E2 E1			1 kg 15 kg 25 kg
UN 3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	I II III	16 16 16	0 1 L 5 L	E0 E2 E1	3000		0.5 L 1 L 5 L
UN 3268	SAFETY DEVICES, electrically initiated	9		25, 136	0	E0			25 kg
UN 3269	POLYESTER RESIN KIT, liquid base material	3	II III	153 153	5 L 5 L	E0 E0			5 L 5 L
UN 3270	NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	4.1	II	134	1 kg	E2		Forbidden	1 kg
UN 3271	ETHERS, N.O.S.	3	II III	16 16	1 L 5 L	E2 E1			5 L 60 L
UN 3272	ESTERS, N.O.S.	3	II III	16 16	1 L 5 L	E2 E1			5 L 60 L
UN 3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000	Forbidden	Forbidden 1 L
UN 3274	ALCOHOLATES SOLUTION, N.O.S., in alcohol	3 (8)	II	16	1 L	E2			1 L
UN 3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1 (3)	I II	16, 115 16	0 0.1 L	E5 E4	1000		1 L 5 L
UN 3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1 (8)	II	16	0.1 L	E4	1000		1 L
UN 3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1 (3)	I II	16, 115 16	0 0.1 L	E5 E4	1000		1 L 5 L
UN 3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000	Forbidden	1 L 5 L 60 L

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UN 3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3284	TELLURIUM COMPOUND, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3285	VANADIUM COMPOUND, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3 (6.1) (8)	I II	16 16	0 1 L	E0 E2	1000	Forbidden	Forbidden 1 L
UN 3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	I II III	16, 115 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1 (8)	I II	16, 115 16	0 0.1 L	E5 E4	1000		0.5 L 1 L
UN 3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1 (8)	I II	16 16	0 0.5 kg	E5 E4	1000		1 kg 15 kg
UN 3291	CLINICAL WASTE, UNSPECIFIED, N.O.S.; (BIO) MEDICAL WASTE, N.O.S.; or REGULATED MEDICAL WASTE, N.O.S.	6.2	II	128	0	E0			
UN 3292	BATTERIES, CONTAINING SODIUM; or CELLS, CONTAINING SODIUM	4.3			0	E0			Forbidden
UN 3293	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1	III		5 L	E1			60 L
UN 3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1 (3)	I	23, 68	0	E0	1000	Forbidden	Forbidden
UN 3295	HYDROCARBONS, LIQUID, N.O.S.	3	I II III	150 150 150	0.5 L 1 L 5 L	E3 E2 E1		Forbidden	1 L 5 L 60 L
UN 3296	HEPTAFLUOROPROPANE; or REFRIGERANT GAS R 227	2.2			0.125 L	E1			75 L
UN 3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	2.2			0.125 L	E1			75 L
UN 3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	2.2			0.125 L	E1			75 L
UN 3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	2.2			0.125 L	E1			75 L
UN 3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2.3 (2.1)		23	0	E0	500	Forbidden	Forbidden
UN 3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8 (4.2)	I II	16 16	0 0	E0 E2	3000	Forbidden Forbidden	0.5 L 1 L
UN 3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	II		0.1 L	E4		Forbidden	5 L
UN 3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2.3 (5.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2.3 (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden

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UN 3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3 (2.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3 (5.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2.3 (5.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2.3 (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3 (2.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3 (5.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2.2 (5.1)		16	0	E0	3000	Forbidden	Forbidden
UN 3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2.1		16	0	E0	3000	Forbidden	Forbidden
UN 3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	II III		0 0	E2 E1			15 kg 25 kg
UN 3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour	9	III	152	5 kg	E1		Forbidden	100 kg
UN 3315	CHEMICAL SAMPLE, TOXIC	Forbidden							
UN 3316	CHEMICAL KIT; or FIRST AID KIT	9	II III	65, 141 65, 141	See SP65 See SP65	See SP141 See SP141			10 kg 10 kg
UN 3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	1 kg
UN 3318	AMMONIA SOLUTION, relative density less than 0.880 at 15°C in water, with more than 50% ammonia	2.3 (8)		23	0	E0	3000	Forbidden	Forbidden
UN 3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	Forbidden							
UN 3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide, by mass	8	II III		1 L 5 L	E2 E1			1 L 5 L
UN 3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non-fissile or fissile excepted	7		74	0	E0	100		
UN 3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non-fissile or fissile excepted	7		74	0	E0	100		
UN 3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non-fissile or fissile excepted	7		74	0	E0			
UN 3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7		74	0	E0	25		Forbidden
UN 3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	7		74	0	E0	25		Forbidden
UN 3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I), FISSILE; or RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-II), FISSILE	7		74	0	E0	0		Forbidden
UN 3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	7		74	0	E0	0		Forbidden
UN 3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7		74	0	E0	0		Forbidden
UN 3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7		74	0	E0	0		Forbidden

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UN 3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7		74	0	E0	0		Forbidden
UN 3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7		74	0	E0	0		Forbidden
UN 3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non-fissile or fissile excepted	7		74	0	E0			
UN 3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7		74	0	E0	0		Forbidden
UN 3334	AVIATION REGULATED LIQUID, N.O.S.	9		16, 63	0	E1			
UN 3335	AVIATION REGULATED SOLID, N.O.S.	9		16, 63	0	E1			
UN 3336	MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.; or MERCAPTANS, LIQUID, FLAMMABLE, N.O.S.	3	I II III	16 16 16	0 1 L 5 L	E0 E2 E1		Forbidden	1 L 5 L 60 L
UN 3337	REFRIGERANT GAS R 404A	2.2			0.125 L	E1			75 L
UN 3338	REFRIGERANT GAS R 407A	2.2			0.125 L	E1			75 L
UN 3339	REFRIGERANT GAS R 407B	2.2			0.125 L	E1			75 L
UN 3340	REFRIGERANT GAS R 407C	2.2			0.125 L	E1			75 L
UN 3341	THIOUREA DIOXIDE	4.2	II III		0 0	E2 E1		Forbidden Forbidden	15 kg 25 kg
UN 3342	XANTHATES	4.2	II III		0 0	E2 E1		Forbidden Forbidden	15 kg 25 kg
UN 3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	Forbidden							
UN 3344	PENTAERYTHRITOL TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass; PENTAERYTHROL TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass; or PETN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	Forbidden							
UN 3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23°C	3 (6.1)	I II	16 16	0 1 L	E0 E2	1000		Forbidden 1 L
UN 3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23°C	6.1 (3)	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L

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UN 3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2.1		16	0.125 L	E0	3000	Forbidden	Forbidden
UN 3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2.3 (2.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3356	OXYGEN GENERATOR, CHEMICAL	5.1		41	0	E0		Forbidden	Forbidden
UN 3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	Forbidden							
UN 3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2.1		104	0	E0		Forbidden	Forbidden
UN 3359	FUMIGATED CARGO TRANSPORT UNIT	9		95	0	E0			
UN 3360	FIBRES, VEGETABLE, DRY, regulated only when transported by vessel	4.1		97	0	E0			
UN 3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1 (8)	II	16	0	E0	1000		1 L
UN 3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1 (3) (8)	II	16	0	E0	1000		1 L
UN 3363	DANGEROUS GOODS IN APPARATUS; or DANGEROUS GOODS IN MACHINERY	9		167	0	E0			
UN 3364	TRINITROPHENOL, WETTED, with not less than 10% water by mass; or PICRIC ACID, WETTED, with not less than 10% water by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 3365	TRINITROCHLOROBENZENE, WETTED, with not less than 10% water by mass; or PICRYL CHLORIDE, WETTED, with not less than 10% water by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 3366	TRINITROTOLUENE, WETTED, with not less than 10% water by mass; or TNT, WETTED, with not less than 10% water by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 3367	TRINITROBENZENE, WETTED, with not less than 10% water by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 3368	TRINITROBENZOIC ACID, WETTED, with not less than 10% water by mass	4.1	I	10, 38, 62	0	E0	75	Forbidden	0.5 kg
UN 3369	SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED, with not less than 10% water by mass	4.1	I	38, 62	0	E0	75	Forbidden	0.5 kg
UN 3370	UREA NITRATE, WETTED, with not less than 10% water by mass	4.1	I	38, 61, 62	0	E0	75	Forbidden	0.5 kg
UN 3371	2-METHYLBUTANAL	3	II		1 L	E2			5L
UN 3373	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2	Category B	38, 164, 165	0	E0			4 kg or 4L
UN 3374	ACETYLENE, SOLVENT FREE	Forbidden							
UN 3375	AMMONIUM NITRATE EMULSION, intermediate for blasting explosives; AMMONIUM NITRATE GEL, intermediate for blasting explosives; or AMMONIUM NITRATE SUSPENSION, intermediate for blasting explosives	Forbidden							
UN 3376	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1	I	38, 62	0	E0	75	Forbidden	Forbidden
UN 3377	SODIUM PERBORATE MONOHYDRATE	5.1	III		5 kg	E1			25 kg
UN 3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	II III		1 kg 5 kg	E2 E1			5 kg 25 kg
UN 3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3	I	16, 38	0	E0		Forbidden	Forbidden
UN 3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1	I	16, 38	0	E0	75	Forbidden	Forbidden

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UN 3381	TOXIC BY INHALATION LIQUID, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3382	TOXIC BY INHALATION LIQUID, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (3)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (3)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3385	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (4.3)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3386	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (4.3)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3387	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (5.1)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3388	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (5.1)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3389	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (8)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3390	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (8)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2	I	16	0	E0	1000	Forbidden	Forbidden
UN 3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2	I	16	0	E0	1000	Forbidden	Forbidden
UN 3393	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	4.2 (4.3)	I	16	0	E0	1000	Forbidden	Forbidden
UN 3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	4.2 (4.3)	I	16	0	E0	1000	Forbidden	Forbidden
UN 3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	I II III	16 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3 (4.1)	I II III	16 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000 1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg
UN 3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3 (4.2)	I II III	16 16 16	0 0.5 kg 1 kg	E0 E2 E1	1000 1000	Forbidden Forbidden Forbidden	Forbidden 15 kg 25 kg

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UN 3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	I II III	16 16 16	0 0.5 L 1L	E0 E2 E1	1000 1000	Forbidden Forbidden Forbidden	Forbidden 1 L 5 L
UN 3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3 (3)	I II III	16 16 16	0 0.5 L 1 L	E0 E2 E1	1000 1000	Forbidden Forbidden Forbidden	Forbidden 5 L 5 L
UN 3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2	II III	16 16	0.5 kg 1 kg	E2 E1			15 kg 25 kg
UN 3401	ALKALI METAL AMALGAM, SOLID, including lithium, sodium, potassium, rubidium and cesium	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 3402	ALKALI EARTH METAL AMALGAM, SOLID including magnesium, calcium, strontium and barium	4.3	I	38	0	E0	1000	Forbidden	Forbidden
UN 3403	POTASSIUM METAL ALLOYS, SOLID	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3	I		0	E0	1000	Forbidden	Forbidden
UN 3405	BARIUM CHLORATE SOLUTION	5.1 (6.1)	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 3406	BARIUM PERCHLORATE SOLUTION	5.1 (6.1)	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 3408	LEAD PERCHLORATE SOLUTION	5.1 (6.1)	II III		1 L 5 L	E2 E1			1 L 2.5 L
UN 3409	CHLORONITROBENZENES, LIQUID	6.1	II	43	0.1 L	E4			5 L
UN 3410	4-CHLORO- <i>o</i> -TOLUIDINE HYDROCHLORIDE SOLUTION	6.1	III		5 L	E1			60 L
UN 3411	<i>beta</i> -NAPHTHYLAMINE SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8	II		1 L	E2			1 L
	FORMIC ACID with not less than 5% but not more than 10% acid by mass	8	III		5 L	E1			5 L
UN 3413	POTASSIUM CYANIDE SOLUTION	6.1	I II III		0 0.1 L 5 L	E5 E4 E1	1000 1000		1 L 5 L 60 L
UN 3414	SODIUM CYANIDE SOLUTION	6.1	I II III		0 0.1 L 5 L	E5 E4 E1	1000 1000		1 L 5 L 60 L
UN 3415	SODIUM FLUORIDE SOLUTION	6.1	III		5 L	E1			60 L
UN 3416	CHLOROACETOPHENONE, LIQUID	6.1	II		0	E0		Forbidden	Forbidden
UN 3417	XYLYL BROMIDE, SOLID	6.1	II	38	0	E4			Forbidden
UN 3418	2,4-TOLUYLENEDIAMINE SOLUTION	6.1	III		5 L	E1			60 L
UN 3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8	II		1 kg	E2			15 kg
UN 3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8	II		1 kg	E2			15 kg
UN 3421	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	8 (6.1)	II III		1 L 5 L	E2 E1	1000		1 L 5 L
UN 3422	POTASSIUM FLUORIDE SOLUTION	6.1	III		5 L	E1			60 L
UN 3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8	II		1 kg	E2			15 kg
UN 3424	AMMONIUM DINITRO- <i>o</i> -CRESOLATE, SOLUTION	6.1	II III		0.1 L 5 L	E4 E1			5 L 60 L
UN 3425	BROMOACETIC ACID, SOLID	8	II		1 kg	E2			15 kg

Schedule 1 – Dangerous Goods List – By UN Number

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 3426	ACRYLAMIDE SOLUTION	6.1	III		5 L	E1			60 L
UN 3427	CHLOROBENZYL CHLORIDES, SOLID	6.1	III		5 kg	E1			100 kg
UN 3428	3-CHLORO-4-METHYL ISOCYANATE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3429	CHLOROTOLUIDINES, LIQUID	6.1	III		5 L	E1			60 L
UN 3430	XYLENOLS, LIQUID	6.1	II		0.1 L	E4			5 L
UN 3431	NITROBENZOTRIFLUORIDES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3432	POLYCHLORINATED BIPHENYLS, SOLID, regulated only when the concentration is more than 50 ppm, by mass	9	II		1 kg	E2			100 kg
UN 3434	NITROCRESOLS, LIQUID	6.1	III		5 L	E1			60 L
UN 3436	HEXAFLUOROACETONE HYDRATE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3437	CHLOROCRESOLS, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3438	alpha-METHYLBENZYL ALCOHOL, SOLID	6.1	III		5 kg	E1			100 kg
UN 3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	I II III	16 16 16	0 0.1 L 5 L	E5 E4 E1	1000		1 L 5 L 60 L
UN 3441	CHLORODINITROBENZENES, SOLID	6.1	II	43	0.5 kg	E4			25 kg
UN 3442	DICHLOROANILINES, SOLID	6.1	II	43	0.5 kg	E4			25 kg
UN 3443	DINITROBENZENES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3444	NICOTINE HYDROCHLORIDE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3445	NICOTINE SULFATE, SOLID; or NICOTINE SULPHATE, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3446	NITROTOLUENES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3447	NITROXYLENES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	I II	16, 38 16, 38	0 0	E0 E0	1000 1000	Forbidden Forbidden	Forbidden Forbidden
UN 3449	BROMOBENZYL CYANIDES, SOLID, except p-bromobenzyl cyanide	6.1	I		0	E5	1000	Forbidden	Forbidden
UN 3450	DIPHENYLCHLOROARSINE, SOLID	6.1	I	38	0	E0	1000	Forbidden	5 kg
UN 3451	TOLUIDINES, SOLID	6.1	II	43	0.5 kg	E4			25 kg
UN 3452	XYLIDINES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3453	PHOSPHORIC ACID, SOLID	8	III		5 kg	E1			25 kg
UN 3454	DINITROTOLUENES, SOLID	6.1	II		0.5 kg	E4			25 kg
UN 3455	CRESOLS, SOLID	6.1 (8)	II		0.5 kg	E4			15 kg
UN 3456	NITROSYLSULFURIC ACID, SOLID; or NITROSYLSULPHURIC ACID, SOLID	8	II		1 kg	E2		Forbidden	15 kg
UN 3457	CHLORONITROTOLUENES, SOLID	6.1	III		5 kg	E1			25 kg
UN 3458	NITROANISOLE, SOLID	6.1	III	43	5 kg	E1			100 kg
UN 3459	NITROBROMOBENZENES, SOLID	6.1	III		5 kg	E1			100 kg
UN 3460	N-ETHYLBENZYL TOLUIDINES, SOLID	6.1	III		5 kg	E1			100 kg
UN 3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (toxins from plant, animal or bacterial sources that contain infectious substances, or toxins that are contained in infectious substances must be classified in Division 6.2)	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg

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UN 3463	PROPIONIC ACID, with not less than 90% acid by mass	8 (3)	II		1 L	E2			1 L
UN 3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000	Forbidden	5 kg 25 kg 100 kg
UN 3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	I II III	16 16 16	0 0.5 kg 5 kg	E5 E4 E1	1000		5 kg 25 kg 100 kg
UN 3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM; HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT; or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	2.1			0	E0	1000	Forbidden	Forbidden
UN 3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base), with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass; or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning or reducing compound), with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	3 (8)	I II III	59, 142 59, 142 59, 142	0 1 L 5 L	E0 E2 E1		Forbidden	0.5 L 1 L 5 L
UN 3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base), with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass; or PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning or reducing compound), with not more than 20% nitrocellulose, by mass, if the nitrogen content of the nitrocellulose is not more than 12.6%, by mass	8 (3)	II	59, 142	1 L	E2			1 L
UN 3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8 (6.1)	II III		1 L 5 L	E2 E1	1000		1 L 5 L
UN 3472	CROTONIC ACID, LIQUID	8	III		5 L	E1			
UN 3473	FUEL CELL CARTRIDGES, containing flammable liquids; FUEL CELL CARTRIDGES CONTAINED IN Equipment, containing flammable liquids; or FUEL CELL CARTRIDGES PACKED WITH Equipment, containing flammable liquids	3			1 L	E0			5 L
UN 3474	1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	4.1	I	38, 62	0	E0	75	Forbidden	0.5 kg
UN 3475	ETHANOL AND GASOLINE MIXTURE, with more than 10% ethanol; ETHANOL AND MOTOR SPIRIT MIXTURE, with more than 10% ethanol; or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3	II	150	30 L	E2		Forbidden	5 L
UN 3476	FUEL CELL CARTRIDGES, containing water-reactive substances; FUEL CELL CARTRIDGES CONTAINED IN Equipment, containing water-reactive substances; or FUEL CELL CARTRIDGES PACKED WITH Equipment, containing water-reactive substances	4.3		101	0.5 kg or 0.5 L	E0			5 kg

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 3477	FUEL CELL CARTRIDGES , containing corrosive substances; FUEL CELL CARTRIDGES CONTAINED IN Equipment , containing corrosive substances; or FUEL CELL CARTRIDGES PACKED WITH Equipment , containing corrosive substances	8		101	1 kg or 1 L	E0			5 kg
UN 3478	FUEL CELL CARTRIDGES , containing liquefied flammable gas; FUEL CELL CARTRIDGES CONTAINED IN Equipment , containing liquefied flammable gas; or FUEL CELL CARTRIDGES PACKED WITH Equipment , containing liquefied flammable gas	2.1		101, 103	0.2 L	E0			1 kg
UN 3479	FUEL CELL CARTRIDGES , containing hydrogen in metal hydride; FUEL CELL CARTRIDGES CONTAINED IN Equipment , containing hydrogen in metal hydride; or FUEL CELL CARTRIDGES PACKED WITH Equipment , containing hydrogen in metal hydride	2.1		101, 102	0.120 L	E0			1 kg
UN 3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9		34, 123, 137, 138, 149, 159	0	E0			5 kg
UN 3481	LITHIUM ION BATTERIES CONTAINED IN Equipment (including lithium ion polymer batteries); or LITHIUM ION BATTERIES PACKED WITH Equipment (including lithium ion polymer batteries)	9		34, 123, 137, 138, 159	0	E0			5 kg
UN 3482	ALKALI METAL DISPERSION, FLAMMABLE , including lithium, sodium, potassium, rubidium and cesium; or ALKALINE EARTH METAL DISPERSION, FLAMMABLE , including magnesium, calcium, strontium and barium	4.3 (3)	I	38	0	E0	1000	Forbidden	Forbidden
UN 3483	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE , with a flash point of not more than 60°C	6.1 (3)	I		0	E0	1000	Forbidden	Forbidden
UN 3484	HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE , with more than 37% hydrazine by mass	8 (3) (6.1)	I		0	E0	1000	Forbidden	Forbidden
UN 3485	CALCIUM HYPOCHLORITE, DRY, CORROSIVE , with more than 39% available chlorine (8.8% available oxygen); or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE , with more than 39% available chlorine (8.8% available oxygen)	5.1 (8)	II	38, 94	1 kg	E2		Forbidden	5 kg
UN 3486	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE , with more than 10% but not more than 39% available chlorine	5.1 (8)	III	94	5 kg	E1		Forbidden	25 kg
UN 3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE , with not less than 5.5% but not more than 16% water; or CALCIUM HYPOCHLORITE MIXTURE, HYDRATED, CORROSIVE , with not less than 5.5% but not more than 16% water	5.1 (8)	II III	94, 117 94	1 kg 5 kg	E2 E1		Forbidden Forbidden	5 kg 25 kg
UN 3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (3) (8)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. , with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (3) (8)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3490	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. , with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 (4.3) (3)	I	16, 23	0	E0	1000	Forbidden	Forbidden

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 3491	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S., with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 (4.3) (3)	I	16, 23	0	E0	1000	Forbidden	Forbidden
UN 3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3 (6.1)	I II III	106, 150 106, 150 106, 150	0 1 L 5 L	E0 E2 E1		Forbidden Forbidden Forbidden	Forbidden 1 L 60 L
UN 3495	IODINE	8 (6.1)	III	43	5 kg	E1			25 kg
UN 3496	BATTERIES, NICKEL-METAL HYDRIDE	9		97	0	E0			
UN 3497	KRILL MEAL	4.2	II III	131 131	0 0	E2 E1			
UN 3498	IODINE MONOCHLORIDE, LIQUID	8	II		1 L	E0		Forbidden	1 L
UN 3499	CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3 Wh)	9		124	0	E0			
UN 3500	CHEMICAL UNDER PRESSURE, N.O.S.	2.2		16, 130	0	E0			75 kg
UN 3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2.1		16, 130	0	E0		Forbidden	Forbidden
UN 3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2.2 (6.1)		16, 130	0	E0		Forbidden	Forbidden
UN 3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2.2 (8)		16, 130	0	E0		Forbidden	Forbidden
UN 3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2.1 (6.1)		16, 130	0	E0		Forbidden	Forbidden
UN 3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2.1 (8)		16, 130	0	E0		Forbidden	Forbidden
UN 3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8 (6.1)		127	5 kg	E0			
UN 3507	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile excepted	6.1 (7) (8)	I	162	0	E0			
UN 3508	CAPACITOR, ASYMMETRIC (with an energy storage capacity greater than 0.3 Wh)	9		144	0	E0			
UN 3509	PACKAGINGS DISCARDED, EMPTY, UNCLEARED	9		146	0	E0			
UN 3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2.1		16	0	E0	3000	Forbidden	Forbidden
UN 3511	ADSORBED GAS, N.O.S.	2.2		16	0	E0		Forbidden	Forbidden
UN 3512	ADSORBED GAS, TOXIC, N.O.S.	2.3		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3513	ADSORBED GAS, OXIDIZING, N.O.S.	2.2 (5.1)		16	0	E0	3000	Forbidden	Forbidden
UN 3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3 (2.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2.3 (5.1)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2.3 (8)		16, 23, 38, 158	0	E0	25	Forbidden	Forbidden
UN 3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3 (2.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3518	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3 (5.1) (8)		16, 23, 38	0	E0	25	Forbidden	Forbidden
UN 3519	BORON TRIFLUORIDE, ADSORBED	2.3 (8)		23	0	E0	50	Forbidden	Forbidden
UN 3520	CHLORINE, ADSORBED	2.3 (5.1) (8)		23	0	E0	500	Forbidden	Forbidden
UN 3521	SILICON TETRAFLUORIDE, ADSORBED	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden

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UN Number	Shipping Name and Description	Class	Packing Group / Category	Special Provisions	Explosive Limit and Limited Quantity Index	Excepted Quantities	ERAP Index	Passenger Carrying Vessel Index	Passenger Carrying Road or Rail Vehicle Index
UN 3522	ARSINE, ADSORBED	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3523	GERMANE, ADSORBED	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3524	PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3 (8)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3525	PHOSPHINE, ADSORBED	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3526	HYDROGEN SELENIDE, ADSORBED	2.3 (2.1)		23, 38	0	E0	25	Forbidden	Forbidden
UN 3527	POLYESTER RESIN KIT, solid base material	4.1	II III	141, 153 141, 153	5 kg 5 kg	E0 E0			1 kg 5 kg
UN 3528	ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED; or ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED; or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED; or MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED	3		154	0	E0			
UN 3529	ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED; or ENGINE, FUEL CELL, FLAMMABLE GAS POWERED; or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED; or MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED	2.1		154	0	E0			Forbidden
UN 3530	ENGINE, INTERNAL COMBUSTION; or MACHINERY, INTERNAL COMBUSTION	9		154	0	E0			
UN 3531	POLYMERIZING SUBSTANCE, SOLID, STABILIZED, N.O.S.	4.1	III	16, 155	0	E0			10 kg
UN 3532	POLYMERIZING SUBSTANCE LIQUID, STABILIZED, N.O.S.	4.1	III	16, 155	0	E0			10 L
UN 3533	POLYMERIZING SUBSTANCE, SOLID, TEMPERATURE CONTROLLED, N.O.S.	4.1	III	16, 155	0	E0			Forbidden
UN 3534	POLYMERIZING SUBSTANCE, LIQUID, TEMPERATURE CONTROLLED, N.O.S.	4.1	III	16, 155	0	E0			Forbidden

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- 17.** These dangerous goods may be handled, offered for transport or transported under the UN number and shipping name UN1268, PETROLEUM DISTILLATES, N.O.S., PETROLEUM PRODUCTS N.O.S., DISTILLATS DE PÉTROLE, N.S.A. or PRODUITS PÉTROLIERS, N.S.A.
UN1203, UN1863
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- 18.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to UN1845, CARBON DIOXIDE, SOLID, or DRY ICE that is in a means of containment that is transported by a road vehicle or a railway vehicle if the means of containment is designed and constructed to permit the release of carbon dioxide in order to prevent the build-up of pressure that could rupture the means of containment.
UN1845
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- 19.** A person must not handle, offer for transport or transport chemically unstable mixtures of these dangerous goods.
UN1826, UN1832
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- 20.** *Reserved*
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- 21.** (1) This shipping name has the UN number
- (a) UN2990, if it is a life-saving appliance that is self-inflating and that includes as equipment one or more of the dangerous goods set out in subsection (2); or
 - (b) UN3072, if it is a life saving appliance that is not self-inflating and that includes as equipment one or more of the dangerous goods set out in subsection (2).
- (2) The dangerous goods are
- (a) signal devices included in Class 1 that are contained in a means of containment designed, constructed, filled, closed, secured and maintained to prevent them from being inadvertently activated under normal conditions of transport;
 - (b) non-flammable, non-toxic gases included in Class 2.2;
 - (c) first aid kits or repair kits that contain dangerous goods included in Classes 3, 4.1, 5.2, 8 or 9 that are in quantities that are less than or equal to the limited quantities set out for them in column 6(a) of Schedule 1;
 - (d) electric storage batteries included in Class 8 and lithium metal or lithium ion batteries included in Class 9;
 - (e) “strike anywhere” matches contained in one or more means of containment designed, constructed, filled, closed, secured and maintained to prevent them from being inadvertently activated under normal conditions of transport; and
 - (f) for UN2990 only, cartridges, power devices, included in Class 1.4S, to activate the self-inflating appliance if the net explosive quantity in an appliance is less than or equal to 3 200 mg.
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- (3) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transport of a lifesaving appliance on a road vehicle or a railway vehicle if
- (a) the life-saving appliance is contained in a means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety;
 - (b) the means of containment has a gross mass less than or equal to 40 kg;
 - (c) the life-saving appliance contains only dangerous goods included in Class 2.2 with no subsidiary class;
 - (d) the dangerous goods are contained in a cylinder with a capacity less than or equal to 120 mL; and
 - (e) the cylinder is installed in the life-saving appliance for the purpose of activating the appliance.

UN2990, UN3072

22. *Reserved*

- 23.** (1) A person must not import, offer for transport, handle or transport these dangerous goods unless
- (a) they are contained in a means of containment that is marked in accordance with section 4.23, or, for UN1005, ANHYDROUS AMMONIA, in a large means of containment, in accordance with section 4.18.2; and
 - (b) they are accompanied by a shipping document that complies with subparagraph 3.5(1)(c)(vii).
- (2) This special provision does not apply to a person who transports these dangerous goods in accordance with an exemption set out in section 1.15, 1.17, 1.17.1 or 1.24 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases).

UN1005, UN1008, UN1016, UN1017, UN1023, UN1026, UN1040, UN1045, UN1048, UN1050 to UN1053, UN1062, UN1064, UN1067, UN1069, UN1071, UN1076, UN1079, UN1082, UN1092, UN1098, UN1135, UN1143, UN1163, UN1182, UN1185, UN1238, UN1239, UN1244, UN1251, UN1259, UN1380, UN1510, UN1541, UN1560, UN1569, UN1580 to UN1582, UN1589, UN1595, UN1605, UN1612, UN1613, UN1647, UN1660, UN1670, UN1672, UN1695, UN1722, UN1741, UN1744 to UN1746, UN1749, UN1752, UN1754, UN1809, UN1810, UN1829, UN1831, UN1834, UN1838, UN1859, UN1892, UN1911, UN1953, UN1955, UN1967, UN1975, UN1994, UN2032, UN2186, UN2188 to UN2192, UN2194 to UN2199, UN2202, UN2204, UN2232, UN2334, UN2337, UN2382, UN2407, UN2417, UN2418, UN2420, UN2421, UN2438, UN2442, UN2474, UN2477, UN2480 to UN2488, UN2521, UN2534, UN2548, UN2605, UN2606, UN2644, UN2646, UN2668, UN2676, UN2692, UN2740, UN2743, UN2826, UN2901, UN3023, UN3057, UN3079, UN3083, UN3160, UN3162, UN3168, UN3169, UN3246, UN3294, UN3300, UN3303 to UN3310, UN3318, UN3355, UN3381 to UN3390, UN3488 to UN3491, UN3512, UN3514 to UN3526

- 24.** Lead compounds are considered to be insoluble if they exhibit a solubility of 5 per cent or less when they are mixed in a ratio of 1:1000 with 0.07 molar hydrochloric acid and stirred for one hour at a temperature of 23°C ± 2°C.

UN2291

- 25.** (1) These dangerous goods may be handled, offered for transport or transported under this shipping name as component parts of vehicle air bags or seat belt pretensioners if they are tested in accordance with the Series 6 type (c) test in Section 16 of Part I of the Manual of Tests and Criteria and show no explosion of the device, no fragmentation of device casings and no projection hazard or thermal effect that could hinder fire fighting or other emergency response efforts. If the air bag inflator unit passes the Series 6 type (c) test, the test does not have to be repeated on the air bag module itself.
- (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to safety devices, electrically initiated, or safety devices, pyrotechnic, installed in road vehicles, ships or aircraft or in completed components such as steering columns, door panels and seats.

UN0503, UN3268

26. *Repealed*

27. *Reserved*

- 28.** A person must not handle, offer for transport or transport these dangerous goods unless they are stabilized and their temperature is maintained below the control temperature while they are being transported.

UN1026, UN3111 to UN3118, UN3231 to UN3240

29. *Repealed*

30. *Reserved*

- 31.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to dangerous goods transported under this shipping name if the dangerous goods contain 10 per cent or less ammonium nitrate and at least 12 per cent water.

UN1454

- 32.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), Part 2 (Classification) and Part 3 (Documentation), do not apply to these dangerous goods if they are transported by road vehicle or railway vehicle in a large means of containment and

- (a) the large means of containment is in standard with CSA B621 for transport by road vehicle or with TP14877 for transport by railway vehicle; and
- (b) the road vehicle or railway vehicle is marked on each side, in letters and numerals that are at least 6 mm wide and 100 mm high, with
 - (i) the letters and numerals UN2448, or
 - (ii) the numerals 2448 and the words MOLTEN SULPHUR, MOLTEN SULFUR or SOUFRE FONDU.

UN2448

33. These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to these dangerous goods if the dangerous goods.

- (a) are in a quantity less than or equal to 400 kg per means of containment; or
- (b) have been formed to a specific shape such as prills, granules, pellets, pastilles or flakes.

UN1350

34. (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of lithium cells and batteries on a road vehicle, a railway vehicle or a vessel on a domestic voyage if

- (a) for a lithium metal or lithium alloy cell, the lithium content is not more than 1 g, and, for a lithium-ion cell, the watt-hour rating is not more than 20 Wh;
- (b) for a lithium metal or lithium alloy battery, the aggregate lithium content is not more than 2 g, and for a lithium-ion battery, the watt-hour rating is not more than 100 Wh;
- (c) lithium ion batteries are marked with the watt-hour rating on the outside case, except for those manufactured before January 1, 2009;
- (d) each cell and battery type passes each of the tests set out in paragraph 2.43.1(2)(a) of Part 2 (Classification);
- (e) the cells and batteries are afforded protection against short circuit, including protection against contact with conductive materials within the same packaging that could lead to a short circuit;
- (f) the cells and batteries are packed in a means of containment that completely encloses the cells and batteries;
- (g) the gross mass of the cells and batteries does not exceed 30 kg, except when the cells and batteries are installed in or packed with equipment; and
- (h) the cells and batteries are packed in a means of containment capable of withstanding a 1.2 m drop test in any orientation without damage to the cells or batteries contained inside the means of containment, without the contents shifting so as to allow battery-to-battery or cell-to-cell, contact, and without release of contents.

(2) Cells and batteries referred to in subsection (1) that are installed in equipment must, unless they are afforded equivalent protection by the equipment in which they are contained,

- (a) be afforded protection against damage and short circuit, including protection against contact with conductive materials within the same packaging that could lead to a short circuit;
- (b) subject to subsection (3), be fitted to prevent accidental activation; and
- (c) be packed in a means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety.

(3) Paragraph (2)(b) does not apply to cells and batteries installed in devices that are intentionally active during transport such as radio frequency identification transmitters, watches and sensors, and that are not capable of generating a dangerous evolution of heat.

(4) Except for means of containment containing button cell batteries installed in equipment, including circuit boards, or no more than four cells installed in equipment or no more than two batteries installed in equipment, each means of containment must be marked with the appropriate lithium battery mark in accordance with section 4.24.

60. *Repealed*

61. This substance may be handled, offered for transport or transported under a class other than Class 1 if it is packed so that the percentage of water that it contains will not, at any time during transport, fall below the percentage stated in the descriptive text associated with the shipping name. When phlegmatized with water and inorganic inert material the content of urea nitrate must not exceed 75 per cent by mass and the mixture must not be capable of being detonated by the Test Series 1 type (a) test referred to in section 11 of Part I in the Manual of Tests and Criteria.

UN1357, 3370

62. These dangerous goods may be handled, offered for transport or transported under Class 4.1 if they are packed in a means of containment so that the percentage of diluent in them will not, at any time during transport, fall below the percentage stated for the diluent in the descriptive text associated with the shipping name.

UN1310, UN1320 to UN1322, UN1336, UN1337, UN1344, UN1347 to UN1349, UN1354 to UN1357, UN1517, UN1571, UN3317, UN3364 to UN3370, UN3376, UN3474

63. These Regulations do not apply to these dangerous goods unless they are to be transported by aircraft.

UN1910, UN2807, UN2812, UN3334, UN3335

64. (1) These Regulations do not apply to these dangerous goods unless they are to be transported by vessel.

(2) These dangerous goods must not be transported by vessel when they are wet, damp or contaminated with oil.

UN1327

65. (1) A chemical kit or first aid kit must be included in the packing group that is the most stringent packing group assigned to any one of the dangerous goods in the kit, and the kit must not contain

- (a) dangerous goods that are not allowed to be transported as limited quantities or that are forbidden for transport in Schedule 1 or Schedule 3;
- (b) dangerous goods that react dangerously with each other; or
- (c) a total quantity of dangerous goods that is greater than 1 L or 1 kg.

(2) A chemical kit or first aid kit containing dangerous goods in inner packagings that do not exceed the quantity limits for limited quantities applicable to individual substances as specified in column 6(a) of Schedule 1 may be transported in accordance with section 1.17 of Part 1 (Coming into force, Repeal, Interpretation, General Provisions and Special Cases).

The shipping name CHEMICAL KIT or FIRST AID KIT is intended for boxes and cases containing small quantities of various dangerous goods that are used, for example, for medical, analytical, or testing or repair purposes.

Kits that are carried on board road vehicles, railway vehicles, ships or aircraft for first-aid or operating purposes are not subject to these Regulations.

UN3316

66. These dangerous goods are forbidden for transport by vessel.

UN1347, UN1512

- 67.**
- (1) The UN number and shipping name UN3171, BATTERY-POWERED VEHICLE applies to vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and that are transported with these batteries installed, including vehicles that are transported in a means of containment.
 - (2) For greater certainty, in the case of a vehicle transported in a means of containment, subsection (1) applies to a vehicle that is transported with some parts detached from its frame in order to fit into the means of containment.
 - (3) The UN number and shipping name UN3171, BATTERY-POWERED EQUIPMENT applies to equipment that is powered by wet batteries or sodium batteries and that is transported with these batteries installed.
 - (4) Equipment powered by lithium metal batteries or lithium ion batteries must be handled, offered for transport or transported under the UN number and shipping name
 - (a) UN3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT;
 - (b) UN3091, LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT;
 - (c) UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT; or
 - (d) UN3481, LITHIUM ION BATTERIES PACKED WITH EQUIPMENT.
 - (5) A hybrid electric vehicle that is powered by an internal combustion engine and by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and that is transported with the batteries installed must be handled, offered for transport or transported under the UN number and shipping name
 - (a) UN3166, VEHICLE, FLAMMABLE GAS POWERED; or
 - (b) UN3166, VEHICLE, FLAMMABLE LIQUID POWERED.
 - (6) A vehicle that contains a fuel cell must be handled, offered for transport or transported under the UN number and shipping name
 - (a) UN3166, VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED; or
 - (b) UN3166, VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED.
 - (7) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport, transport or import of dangerous goods other than batteries that are contained in a vehicle and that are required for the functioning or safe operation of the vehicle, if they are on a road vehicle, a railway vehicle or a vessel on a domestic voyage.

UN3171

68. These dangerous goods are forbidden for transport by vessel if they contain one or more of the following substances:

- (a) AMMONIUM HYPOCHLORITE;
- (b) AMMONIUM NITRATE liable to self-heating sufficient to initiate decomposition;
- (c) AMMONIUM NITRITES and mixtures of an inorganic nitrite with an ammonium salt;
- (d) CHLORIC ACID, AQUEOUS SOLUTION, with more than 10 per cent chloric acid;
- (e) ETHYL NITRITE, pure;
- (f) HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with more than 20% hydrogen cyanide;
- (g) HYDROGEN CHLORIDE, REFRIGERATED LIQUID;
- (h) HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with more than 45% hydrogen cyanide;
- (i) MERCURY OXYCYANIDE, pure;
- (j) METHYL NITRITE;
- (k) PERCHLORIC ACID with more than 72% acid, by mass;
- (l) SILVER PICRATE, dry or wetted with less than 30% water, by mass; or
- (m) ZINC AMMONIUM NITRITE.

UN1194, UN1347, UN1479, UN1512, UN1613, UN1642, UN1873, UN2067, UN2186, UN2455, UN2626, UN2627, UN3212, UN3219, UN3294

69. The following definitions apply to matches:

- (a) fusee matches are matches the heads of which are prepared with a friction-sensitive igniter composition and a pyrotechnic composition that burns with little or no flame but with intense heat;
- (b) safety matches are matches that are combined with or attached to the box, book or card and that can be ignited by friction only on a prepared surface;
- (c) strike-anywhere matches are matches that can be ignited by friction on a solid surface; and
- (d) Wax Vesta matches are matches that can be ignited by friction either on a prepared surface or on a solid surface.

UN1331, UN1944, UN1945, UN2254

- 70.** (1) These dangerous goods must be formulated so that during transport they remain homogeneous and do not separate.
- (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to formulations of these dangerous goods when they have a low nitrocellulose content and
- (a) are not capable of detonating or deflagrating when tested using the Test Series 1 type (a) test referred to in section 11 of Part I of the Manual of Tests and Criteria;
- (b) do not explode when heated under confinement when tested using the Test Series 1 type (b) test and Test Series 1 type (c) test referred to in section 11 of Part I of the Manual of Tests and Criteria; and
- (c) are not flammable solids when tested using Test N.1 referred to in section 33.2.1.4 of Part III of the Manual of Tests and Criteria; to perform this test, the particle size of the nitrocellulose must be less than 1.25 mm or the nitrocellulose must be crushed and sieved to this size.

UN2557

- 71.** Ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt are forbidden for transport.

UN2627

- 72.** Despite paragraph 2.5(d) of Part 2, Classification, if these dangerous goods meet the definitions and criteria for inclusion in other classes in accordance with Part 2, Classification, the subsidiary class or classes must be shown on a shipping document along with the primary class for the dangerous goods.

UN2908 to UN2911

- 73.** During transport, these dangerous goods must be protected from direct sunlight and stored away from all sources of heat in a cool and well-ventilated place.

UN3241

- 74.** (1) If these dangerous goods have a subsidiary class or classes, they must be assigned to Packing Group I, II or III, as appropriate, in accordance with the criteria in Part 2, Classification, for the subsidiary class that takes precedence.
- (2) The description of the subsidiary class or classes of the dangerous goods and the labels and placards must be displayed on a means of containment in accordance with the requirements in Part 4, Dangerous Goods Safety Marks.
- (3) The description of the subsidiary class or classes on a shipping document must be in accordance with Part 3, Documentation.
- (4) The name of the constituents which predominantly contribute to the subsidiary class or classes must be shown in parentheses, after the shipping name on the shipping document.

UN2912, UN2913, UN2915, UN2916, UN2917, UN2919, UN3321 to UN3333

- 75.** *Repealed*

- 76.** Despite section 5.7 of Part 5, Means of Containment, any combination of these dangerous goods included in Class 1, Explosives, may be handled, offered for transport or transported in a road vehicle if
- (a) the total quantity of all the dangerous goods included in Class 1, expressed in net explosives quantity, is less than or equal to 5 kg;
 - (b) the total number of articles of dangerous goods subject to special provision 86 is less than or equal to 100 articles; and
 - (c) the operator of the road vehicle has a valid Pyrotechnic Card that has been issued to the operator by the Explosives Regulatory Division of Natural Resources Canada.

UN0027, UN0066, UN0094, UN0101, UN0105, UN0161, UN0197, UN0255, UN0305, UN0325, UN0335, UN0336, UN0337, UN0349, UN0430, UN0431, UN0432, UN0454, UN0499

77. *Repealed*

- 78.** These dangerous goods do not include ammonium permanganate which is forbidden for transport. (See Schedule 3)

UN1482

- 79.** These dangerous goods are forbidden for transport if they contain less alcohol, water or phlegmatizer than specified in the descriptive text associated with the shipping name.

UN0072, UN0074, UN0075, UN0113, UN0114, UN0129, UN0130, UN0133, UN0135, UN0143, UN0150, UN0159, UN0226, UN0391, UN0433

- 80.** Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment).

UN1950, UN2037

81. *Repealed*

82. *Repealed*

83. *Repealed*

- 84.** The infectious substances identified in subsection 7.1(7) of Part 7, Emergency Response Assistance Plan, require an emergency response assistance plan.

UN2814, UN2900

- 85.** Despite the index number in column 6(a) of Schedule 1, these dangerous goods may be handled, offered for transport or transported in accordance with section 1.31 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) when they are in a quantity that is less than or equal to 15 000 articles.

UN0044

- 86.** Despite the index number in column 6(a) of Schedule 1, these dangerous goods may be handled, offered for transport or transported in accordance with section 1.31 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) when they are in a quantity that is less than or equal to 100 articles.

UN0029, UN0030, UN0121, UN0131, UN0255, UN0267, UN0315, UN0325, UN0349, UN0360, UN0361, UN0367, UN0368, UN0454 to UN0456, UN0500

- 87.** Despite the word “Forbidden” in column 9 of Schedule 1, these dangerous goods may be transported on a passenger carrying road vehicle or a passenger carrying railway vehicle in accordance with section 1.15 of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, when they are used for medical purposes during transport and are in a means of containment with a capacity less than or equal to 1 L.

UN1073

- 88.** Despite the quantity limits in column 9 of Schedule 1 for these dangerous goods, a road vehicle is not a passenger carrying road vehicle unless the passengers in it are transported for hire or reward.

UN1202, UN1203, UN1978

- 89.** *Repealed*
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- 90.** These Regulations, except for Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, and Part 2, Classification, do not apply to the handling, offering for transport or transporting of these dangerous goods on a road vehicle, a railway vehicle or on vessel on a domestic voyage if

- (a) these dangerous goods are contained in small means of containment that
 - (i) are constructed of metal or robust, electrically conductive plastic,
 - (ii) are designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of these dangerous goods that could endanger public safety, and
 - (iii) each have a capacity that is less than or equal to 500 g;
- (b) the gross mass of all these dangerous goods is 12 kg or less;
- (c) the gross mass of all the dangerous goods, including that of these dangerous goods,
 - (i) is less than or equal to 150 kg for dangerous goods transported on the road vehicle or the railway vehicle, and
 - (ii) is less than or equal to 150 kg for dangerous goods transported on the vessel, excluding dangerous goods in a road vehicle or railway vehicle being transported on the vessel; and
- (d) these dangerous goods are in a quantity or concentration available to the general public and are transported by
 - (i) a user or purchaser of these dangerous goods, or
 - (ii) a retailer to or from a user or purchaser of these dangerous goods.

UN0027, UN0028

- 91.** *Repealed*
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- 92.** (1) The consignor must classify these dangerous goods on the basis of samples.
- (2) The consignor must make available to the Minister, on reasonable notice given by the Minister, a document that explains the sampling method and includes the following information:
- (a) the scope of the method;
 - (b) the sampling apparatus;
 - (c) the sampling procedures;
 - (d) the frequency and conditions of sampling; and
 - (e) a description of the quality control management system in place.

Many methods are available for the sampling of petroleum products. An example can be found in American Society for Testing and Materials Standard ASTM D4057-12, “Standard Practice for Manual Sampling of Petroleum and Petroleum Products”.

The frequency and conditions of sampling should allow for the variability of the dangerous goods to ensure representativeness. The classification assigned to the dangerous goods should reflect the properties of the dangerous goods during transport.

UN1267, UN1268

- 93.** (1) A vehicle that contains an internal combustion engine must be transported under UN3166, VEHICLE, FLAMMABLE GAS POWERED, or UN3166, VEHICLE, FLAMMABLE LIQUID POWERED, as appropriate. This shipping name applies to hybrid electric vehicles that are powered by an internal combustion engine and by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and that are transported with the batteries installed.
- (2) A vehicle that contains a fuel cell must be handled, offered for transport or transported under the UN number and shipping name
- (a) UN3166, VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED; or
 - (b) UN3166, VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED

UN3166

- 94.** When these dangerous goods are in transport, they must be kept out of direct sunlight and away from all sources of heat, and must be placed in adequately ventilated areas.

These dangerous goods are liable to exothermic decomposition at elevated temperatures. Decomposition can be initiated by heat or by impurities such as powdered metals like iron, manganese, cobalt, magnesium and their compounds.

Calcium hypochlorite is a self-heating substance that decomposes rapidly and releases toxic chlorine gas when heated or exposed to sunlight.

UN1748, UN2208, UN2880, UN3485 to UN3487

- 95.** For the purposes of this shipping name, “FUMIGATED UNIT” is a large means of containment and includes a road vehicle, a railway vehicle, a freight container and a portable tank. These Regulations, except for subsection 3.5(3) of Part 3 (Documentation) and section 4.21 of Part 4 (Dangerous Goods Safety Marks), do not apply to fumigated units containing no other dangerous goods.

UN3359

- 96.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to these dangerous goods unless they are transported by aircraft or by vessel.

UN3166, UN3171

- 97.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to these dangerous goods unless they are transported by vessel.

UN1372, UN1387, UN1856, UN1857, UN2216, UN3360, UN3496

- 98.** If these dangerous goods are composed of more than 10 per cent ethanol, they must be transported under UN3475, ETHANOL AND GASOLINE MIXTURE.

UN1203

- 99.**
- (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., may be handled, offered for transport or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means of containment and during transport.
 - (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

UN3077, UN3082

- 100.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to magnesium nitrate hexahydrate.

UN1474

- 101.**
- (1) This shipping name applies to fuel cell cartridges, including fuel cell cartridges contained in equipment or packed with equipment. Fuel cell cartridges installed in or integral to a fuel cell system are considered as contained in equipment. Fuel cell cartridges, including fuel cell cartridges contained in equipment, must be designed and constructed to prevent fuel leakage under normal conditions of transport.
 - (2) Fuel cell cartridge design types must pass the following tests:
 - (a) an internal pressure test at a pressure of 100 kPa (gauge) without leakage, if the fuel cell cartridge design type uses liquids as fuels; and
 - (b) a 1.2 m drop test onto an unyielding surface, in the orientation most likely to result in failure of the containment system, with no loss of contents.
 - (3) When lithium metal or lithium ion batteries are contained in the fuel cell system, the following UN number and shipping name must be assigned, as appropriate:
 - (a) UN3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT; or
 - (b) UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT.

UN3476 to UN3479

- 102.**
- (1) Fuel cell cartridges that contain hydrogen in a metal hydride and that are transported under this shipping name must have a capacity less than or equal to 120 mL. The fuel cell cartridges must be designed and constructed to prevent fuel leakage under normal conditions of transport.
 - (2) The pressure in the fuel cell cartridge must not exceed 5 MPa at 55°C. The design type must be capable of withstanding, without leakage or bursting, a pressure of at least two times the design pressure of the cartridge at 55°C or 200 kPa more than the design pressure of the cartridge at 55°C, whichever is greater.

The pressure at which this test is conducted is referred to as the “minimum shell burst pressure” in paragraph 4(c) in relation to the drop test and in subsection (7) in relation to the hydrogen cycling test.

- (3) Fuel cell cartridges must be filled in accordance with procedures specified by the manufacturer and the manufacturer must provide, with each fuel cell cartridge, the following information:
 - (a) inspection procedures to be carried out before initial filling and before refilling of the fuel cell cartridge;
 - (b) safety precautions and potential hazards;
 - (c) method for determining when the rated capacity has been achieved;
 - (d) minimum and maximum pressure range;
 - (e) minimum and maximum temperature range; and
 - (f) any other requirements to be met for initial filling and refilling, including the type of equipment to be used for these operations.
- (4) Each cartridge design type, including cartridges integral to a fuel cell, must
 - (a) withstand a 1.8 m drop test onto an unyielding surface in the four following orientations:
 - (i) vertically, on the end containing the shut-off valve,
 - (ii) vertically, on the end opposite to the shut-off valve,
 - (iii) horizontally, onto a steel apex with a diameter of 38 mm, with the steel apex in the upward position; and
 - (iv) at a 45° angle on the end containing the shut-off valve;
 - (b) show no leakage, determined by using a soap bubble solution or other equivalent means on all possible leak locations, when the cartridge is charged to its rated charging pressure; and
 - (c) be hydrostatically pressurized to destruction with a recorded burst pressure that exceeds 85 per cent of the minimum shell burst pressure.
- (5) Each cartridge design type, including the design types for cartridges integral to a fuel cell, must pass a fire engulfment test using a fuel cell cartridge filled to rated capacity with hydrogen. The cartridge design type, which may have a vent feature integral to it, is deemed to have passed the fire engulfment test if
 - (a) the internal pressure vents to zero pressure without rupture of the cartridge; or
 - (b) the cartridge withstands the fire for a minimum of 20 minutes without rupture.

- (6) Each cartridge design type, including the design types for cartridges integral to a fuel cell, must pass a hydrogen cycling test in which the fuel cell cartridge is cycled, for at least 100 cycles, from not more than 5 per cent rated hydrogen capacity to not less than 95 per cent rated hydrogen capacity and then back to not more than 5 per cent rated hydrogen capacity. The rated charging pressure must be used for charging, and temperatures must be held within the operating temperature range.
- (7) Following the hydrogen cycling test, the fuel cell cartridge must be charged, and the water volume displaced by the cartridge must be measured. The cartridge design type is deemed to have passed the hydrogen cycling test if the water volume displaced by the cycled cartridge does not exceed the water volume displaced by an uncycled cartridge charged to 95 per cent rated capacity and pressurized to 75 per cent of its minimum shell burst pressure.
- (8) Each cartridge design type, including the design types for cartridges integral to a fuel cell, must pass a production leak test in which the fuel cell cartridge is tested for leaks at $15^{\circ}\text{C} \pm 5^{\circ}\text{C}$ while pressurized to its rated charging pressure. There must be no leakage, determined by using a soap bubble solution or other equivalent means on all possible leak locations.
- (9) Each fuel cell cartridge must be permanently marked with the following information:
 - (a) the rated charging pressure, in megapascals (MPa);
 - (b) the manufacturer's serial number or the unique identification number of the fuel cell cartridge; and
 - (c) the date of expiry, based on the maximum service life (four digits for the year, two digits for the month).

UN3479

- 103.** Each fuel cell designed to contain a liquefied flammable gas and transported under this shipping name must
- (a) be capable of withstanding, without leakage or bursting, a pressure of at least two times the equilibrium pressure of the contents at 55°C ;
 - (b) contain a liquefied flammable gas that is in a quantity less than or equal to 200 mL and that has a vapour pressure less than or equal to 1 000 kPa at 55°C ; and
 - (c) pass the hot water bath test described in section 6.2.4.1 of the UN Recommendations.

UN3478

- 104.**
- (1) Flammable liquefied gases must be contained within refrigerating-machine components. These components must be designed to withstand at least three times the working pressure of the machinery and must be tested to ensure they meet that requirement. The refrigerating machines must be designed and constructed to contain the liquefied gas and to preclude the risk of the pressure-retaining components bursting or cracking during normal conditions of transport.
 - (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting, on a road vehicle, a railway vehicle or a vessel on a domestic voyage, of refrigerating machines and refrigerating-machine components transported that contain less than 12 kg of gas.

UN3358

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- 105.** This shipping name must not be used unless the results of Test series 6(d) in Part I of the Manual of Tests and Criteria have demonstrated that any hazardous effects arising from functioning are confined within the means of containment.

UN0323, UN0366, UN0441, UN0445, UN0455, UN0456, UN0460, UN0500

- 106.** When petroleum crude oil contains hydrogen sulphide in sufficient concentration that vapours evolved from the crude oil can present an inhalation hazard, the words “toxic by inhalation” or “toxic – inhalation hazard” or “toxique par inhalation” or “toxicité par inhalation” must be included

(a) on a large means of containment, next to the placard for the primary class; and

(b) on the shipping document, after the description required under section 3.5(1)(c) of Part 3 (Documentation).

UN1267, UN3494

- 107.** (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL.

(2) Subsection (1) does not apply to self-defence spray.

UN1950, UN2037

- 108.** These dangerous goods must, at the time the containment system is closed, be at a pressure that corresponds to atmospheric pressure and that does not exceed 105 kPa absolute.

UN3167 to UN3169

- 109.** The following fire extinguishers may be equipped with actuating cartridges included in Class 1.4C or 1.4S, without changing the classification of Class 2.2, if the total quantity of deflagrating (propellant) explosives in each fire extinguisher does not exceed 3.2 g:

(a) portable fire extinguishers for manual handling and operation;

(b) fire extinguishers for installation on board aircraft;

(c) fire extinguishers mounted on wheels for manual handling;

(d) fire extinguishing equipment or machinery mounted on wheels, on wheeled platforms or on units of transport similar to trailers; and

(e) fire extinguishers composed of a pressure drum and of equipment without wheels, and handled by fork lift or crane, for example, whether loaded or unloaded.

UN1044

- 110.** (1) If these dangerous goods contain at least 90 per cent, by mass, of phlegmatizer, then lactose, glucose or similar substances may be used as a phlegmatizer. The mixture of the dangerous goods and the phlegmatizer may be classified in Class 4.1 in accordance with Test Series 6(c) of Section 16 of Part I of the Manual of Tests and Criteria. The tests in the Test Series 6(c) must be performed on at least three means of containment prepared as if for transport.
- (2) A person is not required to display a class 6.1 label on a means of containment that contains a mixture of the dangerous goods and the phlegmatizer if the mixture contains not less than 90 per cent, by mass, of phlegmatizer.
- (3) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to a mixture of the dangerous goods and the phlegmatizer if the mixture contains not less than 98 per cent, by mass, of phlegmatizer.

UN0143

- 111.** This shipping name must not be used for the transport of non-activated batteries unless they contain dry potassium hydroxide and are intended to be activated prior to use by the addition of an appropriate amount of water to each cell.

UN3028

- 112.** To determine the content of ammonium nitrate in substances that are mixtures and that are transported under UN2067, AMMONIUM NITRATE BASED FERTILIZER, all nitrate ions for which a molecular equivalent of ammonium ions is present in the mixture must be calculated as a mass of ammonium nitrate.

UN2067, UN2071

- 113.** The shipping name UN 2067, AMMONIUM NITRATE BASED FERTILIZER, must not be used for mixtures containing ammonium nitrate as the main constituent unless the mixtures are within the following limits:

- (a) at least 90 per cent ammonium nitrate with 0.2 per cent or less of total combustible or organic material calculated as carbon and with material, if any, that is inorganic and inert towards ammonium nitrate;
- (b) less than 90 per cent but more than 70 per cent ammonium nitrate with other inorganic materials, or more than 80 per cent but less than 90 per cent ammonium nitrate mixed with calcium carbonate, dolomite or mineral calcium sulphate and not more than 0.4 per cent total combustible or organic material calculated as carbon; or
- (c) nitrogen-type ammonium nitrate based fertilizers containing mixtures of ammonium nitrate and ammonium sulphate with more than 45 per cent but less than 70 per cent ammonium nitrate and not more than 0.4 per cent total combustible or organic material calculated as carbon such that the sum of the percentage compositions of ammonium nitrate and ammonium sulphate exceeds 70 per cent.

UN2067

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- 114.** (1) The shipping name UN2071, AMMONIUM NITRATE BASED FERTILIZER, and the data in columns 3 to 9 of Schedule 1 must not be used for uniform ammonium nitrate based fertilizer mixtures of the nitrogen, phosphate or potash type unless the mixtures are within the following composition limits:
- (a) 70 per cent or less of ammonium nitrate and 0.4 per cent or less of total combustible or organic material calculated as carbon; or
 - (b) 45 per cent or less of ammonium nitrate and unrestricted combustible material.
- (2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to fertilizers within the composition limits if the fertilizers are shown not to be liable to self-sustaining decomposition by the Trough Test referred to subsection 38.2 of Part III of the Manual of Tests and Criteria.

UN2071

- 115.** Dangerous goods included in Class 6.1 that meet the inhalation toxicity criteria for Packing Group I set out in paragraph 2.29(2)(d) of Part 2 (Classification) must, as applicable, be offered for transport, handled or transported under UN3381, UN3382, UN3383, UN3384, UN3385, UN3386, UN3387, UN3388, UN3389, UN3390, UN3488, UN3489, UN3490 or UN3491.

UN1583, UN2810, UN2927, UN2929, UN3122, UN3123, UN3275, UN3276, UN3278 to UN3281, UN3287, UN3289

- 116.** This shipping name applies only to calcium hypochlorite, dry, when transported in non-friable tablet form.

UN1748 (PG III)

- 117.** When transported in non-friable tablet form, these dangerous goods are included in Packing Group III.

UN2880, UN3487

- 118.** Mixtures of a hypochlorite with an ammonium salt are forbidden for transport.

UN3212

- 119.** Ammonium bromate and its aqueous solutions and mixtures of a bromate with an ammonium salt are forbidden for transport.

UN1450, UN3213

- 120.** Ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt are forbidden for transport.

UN1461, UN3210

- 121.** Ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt are forbidden for transport.

UN1462

- 122.** Ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt are forbidden for transport.

UN1482, UN3214

- 123.**
- (1) The testing requirements in subsection 38.3 of Part III of the Manual of Tests and Criteria do not apply to production runs consisting of not more than 100 cells and batteries or to pre-production prototypes of cells and batteries that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
 - (a) the cells or batteries are imported, offered for transport, handled or transported in accordance with Packing Instruction P910 of the UN Recommendations; and
 - (b) the pre-production prototypes of cells and batteries are in transport for the purpose of testing.
 - (2) Despite paragraph (1)(b), batteries that have a total mass of 12 kg or more and that have a strong, impact-resistant outer casing, or assemblies of them, may be packed in an outer means of containment or protective enclosure designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety. The batteries or battery assemblies must be protected from short-circuit.

UN3090, UN3091, UN3480, UN3481

- 124.**
- (1) This shipping name applies to electric double layer capacitors if the energy storage capacity of each capacitor, calculated using the nominal voltage and capacitance, is greater than 0.3 Wh.
 - (2) A capacitor must
 - (a) be transported in an uncharged state, if it is not installed in equipment;
 - (b) be transported in an uncharged state or be protected against short circuit, if it is installed in equipment; and
 - (c) be marked with the energy storage capacity in Wh, if it was manufactured after December 31, 2013.
 - (3) When the energy storage capacity of a capacitor is less than or equal to 10 Wh, the capacitor must, when it is in transport and when it is in a module in transport, be protected against short circuit or fitted with a metal strap connecting the terminals.
 - (4) When the energy storage capacity of a capacitor is greater than 10 Wh, the capacitor must, when it is in transport and when it is in a module in transport, be fitted with a metal strap connecting the terminals.
 - (5) A capacitor containing dangerous goods must be designed to withstand a 95 kPa pressure differential.
 - (6) A capacitor must be designed and constructed so that any pressure that may build up in use may be safely relieved through a vent or a weak point in the capacitor casing. Any liquid that is released upon venting must be contained by the means of containment containing the capacitor or by the equipment in which the capacitor is installed.

- (7) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to
- (a) a capacitor that contains an electrolyte that does not meet the criteria for inclusion in any class of dangerous goods;
 - (b) a capacitor that contains an electrolyte that meets the criteria for inclusion in a class of dangerous goods, that has an energy storage capacity of 10 Wh or less, and that is capable of withstanding a 1.2 m drop test on an unyielding surface, unpackaged, without loss of contents; or
 - (c) a capacitor that is installed in equipment and contains an electrolyte that meets the criteria for inclusion in a class of dangerous goods, if the equipment is in a means of containment that is designed, constructed, filled, closed and secured so that under normal conditions of transport, including handling, there will be no accidental functioning of the capacitor or release of the dangerous goods that could endanger public safety.
- (8) Large equipment containing a capacitor may be transported without a means of containment or on pallets, if the capacitor is afforded equivalent protection by the equipment in which it is contained.

UN3499

- 125.** These dangerous goods may be handled, offered for transport or transported in accordance with subsections 1.17 (2) to (4) of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
- (a) the dangerous goods are classified and authorized in accordance with the “Explosives Regulations, 2013”;
 - (b) the dangerous goods are contained in inner means of containment that are placed in a strong outer means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety;
 - (c) each inner means of containment has a gross mass less than or equal to 5 kg;
 - (d) the outer means of containment has a gross mass less than or equal to 30 kg; and
 - (e) the outer means of containment, as presented for transport, is capable of passing a test in accordance with Test Series 6(d) of Part I of the Manual of Tests and Criteria.

UN0012, UN0014, UN0055

- 126.** Manufactured instruments and articles containing mercury may be handled, offered for transport or transported under the UN number and shipping name UN3506, MERCURY CONTAINED IN MANUFACTURED ARTICLES.

UN2809

- 127.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of articles containing a quantity of mercury that is less than or equal to 1 kg that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage.

UN3506

- 128.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to decontaminated medical or clinical wastes that previously contained infectious substances, unless the decontaminated medical or clinical wastes meet the criteria for inclusion in another class.

UN3291

- 129.** These dangerous goods must be in a means of containment that is in compliance with Packing Instruction P621, IBC620 or LP621 of the UN Recommendations.

UN3291

- 130.**
- (1) This shipping name applies to chemicals under pressure, including liquids, pastes or powders that are pressurized with a propellant that meets the criteria set out in section 2.2.1.2 of the UN Recommendation for a compressed gas or a liquefied gas.
 - (2) These dangerous goods must be assigned to
 - (a) primary Class 2.1, Flammable Gases, if one of the components, which can be a pure substance or a mixture, is classified as a flammable component under subsection (3); and
 - (b) subsidiary Class 6.1, Toxic Substances, or Class 8, Corrosives, if one of the liquid or solid components is included in Class 6.1, Toxic Substances, Packing Group II or III, or Class 8, Corrosives, Packing Group II or III.
 - (3) A flammable component is
 - (a) a liquid that has a flashpoint of 60°C or less;
 - (b) a solid that meets the criterion set out in subparagraph 2.21(a)(i) of Part 2 (Classification); and
 - (c) a gas that meets the criteria set out in paragraph 2.14(a) of Part 2 (Classification).
 - (4) This shipping name must not be used to transport
 - (a) gases included in both primary Class 2.3, Toxic Gases, and subsidiary Class 5.1, Oxidizing Substances;
 - (b) substances included in Packing Group I of Class 6.1, Toxic Substances, or Class 8, Corrosives;
 - (c) liquid desensitized explosives included in Class 3, Flammable Liquids;
 - (d) self-reactive substances and solid desensitized explosives included in Class 4.1, Flammable Solids; or
 - (e) dangerous goods included in
 - (i) Class 4.2, Substances Liable to Spontaneous Combustion;
 - (ii) Class 4.3, Water-reactive Substances;
 - (iii) Class 5.1, Oxidizing Substances;
 - (iv) Class 5.2, Organic Peroxides;
 - (v) Class 6.2, Infectious Substances; or
 - (vi) Class 7, Radioactive Materials.

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- (5) Dangerous goods to which special packing provision PP86 or TP7 is assigned in Column 9 and Column 11 of the Dangerous Goods List in Chapter 3.2 of the UN Recommendations, and that therefore require air to be eliminated from the vapour space, must not be transported under this shipping name, but must be transported under their respective shipping names as listed in the Dangerous Goods List of Chapter 3.2 of the UN Recommendations.

A chemical under pressure contained in an aerosol container must be transported under UN1950, AEROSOLS.

UN3500 to UN3505

- 131.** These dangerous goods must not be transported if the temperature of the dangerous goods at the time of loading exceeds the higher of 35°C or 5°C above the ambient temperature.

UN2216, UN3497

- 132.** These dangerous goods must not be transported by vessel if they contain less than 100 ppm of an antioxidant (ethoxyquin).

UN2216

- 133.** This shipping name must not be used to transport UN3155, PENTACHLOROPHENOL.

UN2020

- 134.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to nitrocellulose membrane filters, each with a mass not exceeding 0.5 g, if they are contained individually in an article or a sealed packet.

UN3270

- 135.** This shipping name applies to articles that contain dangerous goods included in Class 1, Explosives, and that may also contain dangerous goods included in other classes.

These articles are used to enhance safety in vehicles, vessels or aircraft. They include air bag inflators, air bag modules, seat-belt pretensioners, and pyromechanical devices.

UN0503

- 136.** This shipping name applies to safety devices for road vehicles, railway vehicles, ships or aircraft, such as air bag inflators, air bag modules, seat-belt pretensioners and pyromechanical devices, that are transported as component parts and that, before being presented for transport, have been tested in accordance with the Series 6 type (c) test in Section 16 of Part I of the Manual of Tests and Criteria, with no explosion of the device tested, no fragmentation of the device casing or pressure vessel, and no projection hazard or thermal effect that could hinder fire fighting or other emergency response.

UN3268

- 137.**
- (1) This shipping name applies to lithium ion cells or batteries, and lithium metal cells or batteries, that are damaged or defective and do not conform to subsection 2.43.1(2) of Part 2 (Classification).
 - (2) Lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective, include, but are not limited to, cells or batteries that have leaked or vented, or have sustained physical or mechanical damage, and cannot be diagnosed prior to transport, or that have been identified as being defective for safety reasons.
 - (3) Lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective must be packed in accordance with Packing Instructions P908 or LP904 of the UN Recommendations, as applicable.
 - (4) As applicable, the outer means of containment or the overpack must be marked legibly and visibly on a contrasting background, with the words “Damaged/Defective Lithium Ion Batteries”, “piles au lithium ionique endommagées/défectueuses”, “Damaged/Defective Lithium Metal Batteries” or “piles au lithium métal endommagées/défectueuses”.
 - (5) It is forbidden to transport lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective and that, under normal conditions of transport, are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat, or produce a dangerous emission of toxic, corrosive or flammable gases or vapours.
 - (6) It is forbidden to transport by aircraft lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective.

UN3090, UN3091, UN3480, UN3481

- 138.**
- (1) When transported for disposal or recycling, lithium ion cells or batteries and lithium metal cells or batteries, or equipment containing those cells or batteries,
 - (a) are not subject to subsection 2.43.1(2) of Part 2 (Classification);
 - (b) must be packed in accordance with Packing Instructions P909 or LP904 of the UN Recommendations, as applicable, whether packed with or without non-lithium cells or batteries or equipment containing those cells or batteries;
 - (c) must be in a means of containment or an overpack that is marked legibly and visibly on a contrasting background with the words “Lithium batteries for disposal”, “Piles au lithium destinées à l’élimination”, “Lithium batteries for recycling” or “Piles au lithium destinées au recyclage”, as appropriate; and
 - (d) are forbidden for transport by aircraft.
 - (2) Damaged or defective cells and batteries must be offered for transport or transported under special provision 137.

UN3090, UN3091, UN3480, UN3481

- 139.**
- (1) Asbestos that is immersed or fixed in a natural or artificial binder in such a way that no release of hazardous quantities of respirable asbestos fibres can occur during transport is not subject to these Regulations.
Minerals are examples of natural binders; cement, asphalt, resins and plastics are examples of artificial binders.
 - (2) Manufactured articles containing asbestos that is not immersed or fixed in accordance with subsection (1) are not subject to these Regulations when packed so that no release of hazardous quantities of respirable asbestos fibres can occur during transport.

UN2212, UN2590

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- (5) A person must not import, offer for transport, handle or transport an engine or a piece of machinery under one of these shipping names unless it
- (a) is oriented to prevent inadvertent leakage of the fuel it contains; and
 - (b) is secured by means that will prevent any movement during transport which would change its orientation or cause it to be damaged.
- (6) A person must not transport an engine or piece of machinery under one of these shipping names unless all valves and openings, including venting devices, are closed during transport.
- (7) Despite the requirements in Part 4 (Dangerous Goods Safety Marks) of these Regulations, if an engine or piece of machinery is imported, offered for transport, handled or transported under one of these shipping names, either of the following safety marks must be displayed on the engine or piece of machinery:
- (a) a placard and UN number on two opposite sides; or
 - (b) a label, a UN number and a shipping name on two opposite sides.
- (8) An engine or piece of machinery must not be imported, offered for transport, handled or transported under one of these shipping names unless
- (a) in the case of an engine or piece of machinery that contains or is intended to contain a liquid fuel included in Class 3 or 9, the fuel tank meets the applicable requirements of Part 5 (Means of Containment) for that fuel; and
 - (b) in the case of an engine or piece of machinery that contains or is intended to contain a gaseous fuel included in Class 2.1, the fuel tank meets the applicable requirements of Part 5 (Means of Containment) for that fuel.
- (9) If an engine or piece of machinery is imported, offered for transport, handled or transported under one of these shipping names, it must be packed in accordance with Packing Instruction P005 of the UN Recommendations.
- (10) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to UN3528, ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED, UN3528, ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED, UN3528, MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED, UN3528, MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED, UN3530, ENGINE, INTERNAL COMBUSTION or UN3530, MACHINERY, INTERNAL COMBUSTION, that are on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
- (a) the engine or piece of machinery has a fuel tank with a capacity of 450 L or less; and
 - (b) the fuel contained in the engine or piece of machinery is a liquid contained in a means of containment that is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the fuel that could endanger public safety.
- (11) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to dangerous goods other than fuel that are contained in an engine or piece of machinery and that are required for the functioning or safe operation of the engine or piece of machinery if the engine or piece of machinery is on a road vehicle, a railway vehicle or a vessel on a domestic voyage. The dangerous goods other than fuel include batteries, fire extinguishers, compressed gas accumulators and safety devices.

UN3528, UN3529, UN3530

- 155.**
- (1) If these dangerous goods are stabilized by temperature control, they must be offered for transport, handled and transported in accordance with section 7.1.6 of the UN Recommendations.
 - (2) If chemical stabilization is employed, the person offering the means of containment for transport must ensure that the level of stabilization will prevent a dangerous polymerization of the dangerous goods at a bulk mean temperature of 50°C in the case of a small means of containment or an intermediate bulk container (IBC) or, in the case of a large means of containment that is not an IBC, at a bulk mean temperature of 45°C.
 - (3) If chemical stabilization may become ineffective at lower temperatures within the anticipated duration of transport, temperature control is required. In determining whether chemical stabilization may become ineffective at lower temperatures, the person offering the means of containment for transport must take at least the following factors into consideration:
 - (a) the capacity and geometry of the means of containment and the effect of any insulation;
 - (b) the temperature of the dangerous goods when offered for transport;
 - (c) the duration of the transport and the seasonal ambient temperature conditions typically encountered during transport; and
 - (d) the effectiveness and other physical or chemical properties of the stabilizer employed.

UN1010, UN1051, UN1060, UN1081, UN1082, UN1085 to UN1087, UN1092, UN1093, UN1143, UN1167, UN1185, UN1218, UN1246, UN1247, UN1251, UN1301 to UN1304, UN1545, UN1589, UN1614, UN1724, UN1829, UN1860, UN1917, UN1919, UN1921, UN1991, UN2055, UN2200, UN2218, UN2227, UN2251, UN2277, UN2283, UN2348, UN2352, UN2383, UN2396, UN2452, UN2521, UN2527, UN2531, UN2607, UN2618, UN2838, UN3022, UN3073, UN3079, UN3531 to UN3534

- 156.** If a vehicle is powered by an internal combustion engine that runs on a flammable liquid and a flammable gas, the vehicle must be offered for transport, handled and transported under UN3166, VEHICLE, FLAMMABLE GAS POWERED.

UN3166

- 157.**
- (1) This shipping name applies to vehicles that are powered by internal combustion engines or fuel cells that run on a flammable liquid or gas.
 - (2) For the purposes of this special provision, vehicles are self-propelled apparatus designed to carry persons or goods. Examples include cars, motorcycles, trucks, locomotives, scooters, three- and four-wheeled vehicles or motorcycles, lawn tractors, self-propelled farming and construction equipment, boats and aircraft.
 - (3) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to dangerous goods other than fuels that are contained in integral components of a vehicle if those components are securely installed and are necessary for the operation of the vehicle or for the safety of its operator or passengers. Examples include fire extinguishers, compressed gas accumulators and other safety devices.

UN3166

- 158.** (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply in respect of anhydrous ammonia that is adsorbed or absorbed on a solid material that is contained in an ammonia dispensing system or in a pressure receptacle that is intended to form part of an ammonia dispensing system if
- (a) the adsorption or absorption presents the following properties:
 - (i) the pressure at a temperature of 20°C in the receptacle is less than 60 kPa (0.6 bar),
 - (ii) the pressure at a temperature of 35°C in the receptacle is less than 100 kPa (1 bar), and
 - (iii) the pressure at a temperature of 85°C in the receptacle is less than 1.2 MPa (12 bar);
 - (b) the adsorbent or absorbent material does not meet the criteria in Part 2 (Classification) for inclusion in any of Classes 1 to 8;
 - (c) the pressure receptacle
 - (i) does not contain more than 10 kg of ammonia,
 - (ii) is made of a material that, as specified in special provision 379 of the UN Recommendations, is compatible with ammonia,
 - (iii) is hermetically sealed and able to contain the generated ammonia,
 - (iv) has a means of closure that hermetically seals the pressure receptacle and is able to contain the generated ammonia,
 - (v) is able to withstand the pressure generated at 85°C with a volumetric expansion of 0.1% or less,
 - (vi) is fitted with a pressure release device that allows for gas evacuation without violent rupture, explosion or projection once pressure exceeds 1.5 MPa (15 bar), and
 - (vii) is able to withstand a pressure of 2 MPa (20 bar) without leakage when the pressure relief device is deactivated; and
 - (d) in the case of a pressure receptacle that is contained in an ammonia dispensing system, the pressure receptacle is connected to the system in such a way that the whole system has the same strength as a pressure receptacle that is not contained in an ammonia dispensing system.
- (2) The mechanical strength properties set out in subsection (1) must be tested
- (a) using a prototype of a pressure receptacle that is filled to nominal capacity or a prototype of a pressure receptacle that is filled to nominal capacity and is contained in an ammonia dispensing system; and
 - (b) by increasing the temperature until the pressures specified in subsection (1) are reached.

UN1005, UN3516

- 159.** (1) Subject to subsection (2), the label to be used for these dangerous goods is the one illustrated under the heading for lithium batteries “Class 9, Lithium Batteries” in the appendix to Part 4 (Dangerous Goods Safety Marks).
- (2) The generic Class 9 label may be used until December 31, 2018.

UN3090, UN3091, UN3480, UN3481

- 160.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply in respect of the offering for transport, handling or transporting of table tennis balls that are manufactured from celluloid if the net mass of each table tennis ball is less than or equal to 3 g and the total net mass of table tennis balls is less than or equal to 500 g per package.

UN2000

- 161.** (1) Before loading, these dangerous goods must be cooled to ambient temperature, unless they have been calcined to remove moisture.
- (2) During transport, a large means of containment containing bulk loads of these dangerous goods must be ventilated and protected against ingress of water.

UN3170

- 162.** (1) Uranium hexafluoride must not be offered for transport, handled or transported under this shipping name unless the requirements of the “Packaging and Transport of Nuclear Substances Regulations, 2015” have been met.
- (2) Despite section 4.10 of Part 4 (Dangerous Goods Safety Marks), a Class 6.1 label and a Class 8 label must be displayed on a means of containment that contains uranium hexafluoride.

UN3507

- 163.** These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), Part 2 (Classification), Part 4 (Dangerous Goods Safety Marks) and Part 5 (Means of Containment), do not apply to the offering for transport, handling or transporting on a road vehicle, a railway vehicle or a vessel on a domestic voyage of safety matches and wax “Vesta” matches if the outer packaging has a gross mass less than or equal to 25 kg.

UN1944, UN1945

- 164.** (1) Other dangerous goods must not be packed in the same small means of containment as dangerous goods that are Class 6.2, Infectious Substances unless
- (a) the other dangerous goods are necessary for maintaining the viability or stability of the dangerous goods that are Class 6.2, Infectious Substances, for preventing their degradation or for neutralizing the hazards that they represent;
 - (b) the other dangerous goods are included in Class 3, 8 or 9;
 - (c) the quantity of the other dangerous goods packed in each primary receptacle does not exceed 30 mL; and
 - (d) the other dangerous goods are packed in accordance with the applicable packing instruction set out in CGSB-43.125.
- (2) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) and Part 5 (Means of Containment) do not apply to the offering for transport, handling or transporting of the other dangerous goods if the requirements in subsection (1) are met.

UN2814, UN2900, UN3373

- 165.** Despite section 4.2 of Part 4 (Dangerous Goods Safety Marks) or section 6.1 of the Act, the marking for a Type P650 packaging that is set out in CGSB-43.125 may be displayed on an empty packaging.

UN3373

166. Dangerous goods that are included in Class 6.1 due to inhalation toxicity in accordance with paragraph 2.28(c) of Part 2 (Classification) must, as applicable, be offered for transport, handled or transported under UN3381, UN3382, UN3383, UN3384, UN3385, UN3386, UN3387, UN3388, UN3389, UN3390, UN3488, UN3489, UN3490 or UN3491.

UN1614, UN1828, UN2285, UN2478, UN2742, UN2983

- 167.**
- (1) This shipping name applies only to an apparatus, piece of equipment or piece of machinery if it contains dangerous goods as an integral element. This shipping name must not be used for an apparatus, piece of equipment or piece of machinery for which a shipping name already exists in Schedule 1.
 - (2) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) and Part 5 (Means of Containment) do not apply to the offering for transport, handling or transporting of an apparatus, piece of equipment or piece of machinery under this shipping name if
 - (a) the apparatus, piece of equipment or piece of machinery is on a road vehicle, a railway vehicle or a vessel on a domestic voyage;
 - (b) the apparatus, piece of equipment or piece of machinery is designed to perform a function other than solely to contain the dangerous goods;
 - (c) the dangerous goods that the apparatus, piece of equipment or piece of machinery contains
 - (i) are not explosives,
 - (ii) are not intended to be discharged from the apparatus, piece of equipment or piece of machinery, and
 - (iii) have a number that is set out in column 6(a) of Schedule 1 and
 - (A) have, in the case of a solid, a mass that is less than or equal to that number when it is expressed in kilograms,
 - (B) have, in the case of a liquid, a volume that is less than or equal to that number when it is expressed in litres, and
 - (C) are, in the case of a gas, including a gas in a liquefied form, contained in one or more means of containment whose total capacity is less than or equal to that number when it is expressed in litres.
 - (3) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks) and Part 5 (Means of Containment) do not apply to the offering for transport, handling or transporting of an apparatus, piece of equipment or piece of machinery under this shipping name if
 - (a) the apparatus, piece of equipment or piece of machinery is on a road vehicle, a railway vehicle or a vessel on a domestic voyage;
 - (b) the apparatus, piece of equipment or piece of machinery is designed to perform a function other than solely to contain the dangerous goods and, once it contains the dangerous goods, is not classified as an explosive in accordance with the “Explosives Regulations, 2013”; and
 - (c) the dangerous goods that the apparatus, piece of equipment or piece of machinery contains
 - (i) are explosives,
 - (ii) are not intended to be discharged from the apparatus, piece of equipment or piece of machinery,
 - (iii) have, in the case of explosives that are not subject to special provision 85 or 86, a number that is set out in column 6(a) of Schedule 1 and have a net explosives quantity that is less than or equal to that number when it is expressed in kilograms,
 - (iv) are, in the case of explosives that are subject to special provision 85, in a quantity that is less than or equal to 15,000 articles, and
 - (v) are, in the case of explosives that are subject to special provision 86, in a quantity that is less than or equal to 100 articles.

- (4) If an apparatus, piece of machinery or piece of equipment is offered for transport, handled or transported under this shipping name and it contains more than one item of dangerous goods, the items must not be capable of reacting dangerously with one another in a way that causes
- (a) the combustion or evolution of considerable heat;
 - (b) the evolution of flammable, toxic or asphyxiant gases;
 - (c) the formation of corrosive substances; or
 - (d) the formation of unstable substances.

UN3363

- 168.** Subparagraph 3.5(1)(c)(vii), section 4.23, Part 7 (Emergency Response Assistance Plan) and special provision 23 do not apply to UN1831, SULFURIC ACID, FUMING with less than 30% free SULFUR TRIOXIDE.

UN1831

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
BATTERIES, NICKEL-METAL HYDRIDE	PILES AU NICKEL-HYDRURE MÉTALLIQUE	9	UN 3496	
BATTERIES, WET, FILLED WITH ACID, electric storage	ACCUMULATEURS électriques REMPLIS D'ÉLECTROLYTE LIQUIDE ACIDE	8	UN 2794	
BATTERIES, WET, FILLED WITH ALKALI, electric storage	ACCUMULATEURS électriques REMPLIS D'ÉLECTROLYTE LIQUIDE ALCALIN	8	UN 2795	
BATTERIES, WET, NON-SPILLABLE, electric storage	ACCUMULATEURS électriques INVERSABLES REMPLIS D'ÉLECTROLYTE LIQUIDE	8	UN 2800	
BATTERY FLUID, ACID	ÉLECTROLYTE ACIDE POUR ACCUMULATEURS	8	UN 2796	
BATTERY FLUID, ALKALI	ÉLECTROLYTE ALCALIN POUR ACCUMULATEURS	8	UN 2797	
Battery, lithium ion	PILES AU LITHIUM IONIQUE	9	See UN 3480 See UN 3481	
Battery, lithium metal	PILES AU LITHIUM MÉTAL	9	See UN 3090 See UN 3091	
BATTERY-POWERED EQUIPMENT	APPAREIL MÛ PAR ACCUMULATEURS	9	UN 3171	
BATTERY-POWERED VEHICLE	VÉHICULE MÛ PAR ACCUMULATEURS	9	UN 3171	
Bendiocarb (see CARBAMATE PESTICIDE)	Bendiocarbe (voir CARBAMATE PESTICIDE)			P
Benomyl	Bénomyl		See Note 1	P
Benquinox (see PESTICIDE, N.O.S.)	Benquinox (voir PESTICIDE, N.S.A.)			P
BENZALDEHYDE	BENZALDÉHYDE	9	UN 1990	
BENZENE	BENZÈNE	3	UN 1114	
BENZENE DIAZONIUM CHLORIDE (DRY)	CHLORURE DE BENZÈNEDIAZONIUM (SEC)	Forbidden		
BENZENE DIAZONIUM NITRATE (DRY)	NITRATE DE BENZÈNEDIAZONIUM (SEC)	Forbidden		
BENZENESULFONYL CHLORIDE	CHLORURE DE BENZÈNESULFONYLE	8	UN 2225	
BENZENESULPHONYL CHLORIDE	CHLORURE DE BENZÈNESULFONYLE	8	UN 2225	
Benzenethiol	Benzènethiol	6.1	See UN 2337	
BENZENE TRIOXONIDE	TRIOXONURE DE BENZÈNE	Forbidden		
BENZIDINE	BENZIDINE	6.1	UN 1885	
Benzol	Benzol	3	See UN 1114	
Benzolene	Benzolène	3	See UN 1114	
BENZONITRILE	BENZONITRILE	6.1	UN 2224	
BENZOQUINONE	BENZOQUINONE	6.1	UN 2587	
Benzosulfochloride	CHLORURE DE BENZÈNESULFONYLE	8	See UN 2225	
Benzosulphochloride	CHLORURE DE BENZÈNESULFONYLE	8	See UN 2225	
BENZOTRICHLORIDE	CHLORURE DE BENZYLIDYNE	8	UN 2226	
BENZOTRIFLUORIDE	FLUORURE DE BENZYLIDYNE	3	UN 2338	
BENZOXIDIAZOLES, DRY	BENZOXYDIAZOLES, SECS	Forbidden		
BENZOYL AZIDE	AZOTURE DE BENZOYLE	Forbidden		
BENZOYL CHLORIDE	CHLORURE DE BENZOYLE	8	UN 1736	
BENZYL BROMIDE	BROMURE DE BENZYLE	6.1	UN 1737	
BENZYL CHLORIDE	CHLORURE DE BENZYLE	6.1	UN 1738	
Benzyl chlorocarbonate	Chlorocarbonate de benzyle	8	See UN 1739	P
BENZYL CHLOROFORMATE	CHLOROFORMATE DE BENZYLE	8	UN 1739	P
Benzyl cyanide	Cyanure de benzyle	6.1	See UN 2470	
BENZYLDIMETHYLAMINE	BENZYLDIMÉTHYLAMINE	8	UN 2619	
BENZYLIDENE CHLORIDE	CHLORURE DE BENZYLIDÈNE	6.1	UN 1886	
BENZYL IODIDE	IODURE DE BENZYLE	6.1	UN 2653	
BERYLLIUM COMPOUND, N.O.S.	COMPOSÉ DU BÉRYLLIUM, N.S.A.	6.1	UN 1566	

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Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
BERYLLIUM NITRATE	NITRATE DE BÉRYLLIUM	5.1	UN 2464	
BERYLLIUM POWDER	BÉRYLLIUM EN POUDRE	6.1	UN 1567	
<i>gamma</i> -BHC (see ORGANOCHLORINE PESTICIDE)	<i>gamma</i> -BHC (voir PESTICIDE ORGANOCHLORÉ)			P
BHUSA , regulated only when transported by vessel	BHUSA , réglementé seulement lorsqu'il est transporté par bâtiment	4.1	UN 1327	
BHUSA , wet, damp or contaminated with oil, by vessel only	BHUSA , mouillé, humide ou souillée d'huile, réglementé seulement lorsqu'il est transporté par bâtiment	Forbidden		
Bickford fuse	CORDEAU BICKFORD	1.4S	See UN 0105	
BICYCLO (2.2.1) HEPTA-2,5-DIENE, STABILIZED	BICYCLO (2.2.1) HEPTA-2,5-DIÈNE, STABILISÉ	3	UN 2251	
Bifluorides, n.o.s.	Bifluorures, n.s.a.	8	See UN 1740	
Binapacryl (see SUBSTITUTED NITROPHENOL PESTICIDE)	Binapacryl (voir NITROPHÉNOLE SUBSTITUÉ PESTICIDE)			P
BIOLOGICAL SUBSTANCE, CATEGORY B	MATIÈRE BIOLOGIQUE, CATÉGORIE B	6.2	UN 3373	
(BIO) MEDICAL WASTE, N.O.S.	DÉCHET (BIO) MÉDICAL, N.S.A.	6.2	UN 3291	
BIPHENYL TRIOZONIDE	TRIOZONURE DE BIPHÉNYLE	Forbidden		
BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23 °C	PESTICIDE BIPYRIDYLIQUE LIQUIDE INFLAMMABLE, TOXIQUE , ayant un point d'éclair inférieur à 23 °C	3	UN 2782	
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	PESTICIDE BIPYRIDYLIQUE LIQUIDE TOXIQUE	6.1	UN 3016	
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE , flash point not less than 23 °C	PESTICIDE BIPYRIDYLIQUE LIQUIDE TOXIQUE, INFLAMMABLE , ayant un point d'éclair égal ou supérieur à 23 °C	6.1	UN 3015	
BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	PESTICIDE BIPYRIDYLIQUE SOLIDE TOXIQUE	6.1	UN 2781	
Bis(chloro-2-ethyl) oxide	Oxyde de bis (chloro-2 éthyle)	6.1	See UN 1916	P
Bis(chloromethyl) ether	Oxyde de bis (chlorométhyle)	Forbidden	See UN 2249	
<i>N,N</i> -Bis(2-hydroxyethyl)oleamide (LOA)	<i>N,N</i> -Bis(2-hydroxyéthyl)oléamide (LOA)		See Note 1	P
BISULFATES, AQUEOUS SOLUTION	HYDROGÉNOSULFATES EN SOLUTION AQUEUSE	8	UN 2837	
BISULFITES, AQUEOUS SOLUTION, N.O.S.	HYDROGÉNOSULFITES EN SOLUTION AQUEUSE, N.S.A.	8	UN 2693	
BISULPHATES, AQUEOUS SOLUTION	HYDROGÉNOSULFATES EN SOLUTION AQUEUSE	8	UN 2837	
BISULPHITES, AQUEOUS SOLUTION, N.O.S.	HYDROGÉNOSULFITES EN SOLUTION AQUEUSE, N.S.A.	8	UN 2693	
BLACK POWDER, COMPRESSED	POUDRE NOIRE COMPRIMÉE	1.1D	UN 0028	
BLACK POWDER granular or as a meal	POUDRE NOIRE sous forme de grains ou de pulvérin	1.1D	UN 0027	
BLACK POWDER, IN PELLETS	POUDRE NOIRE EN COMPRIMÉS	1.1D	UN 0028	
Blasting cap assemblies	ASSEMBLAGES DE DÉTONATEURS de mine (de sautage) NON ÉLECTRIQUES	1.1B 1.4B	See UN 0360 See UN 0361	
Blasting caps, electric	Amorces de mine électriques	1.1B 1.4B 1.4S	See UN 0030 See UN 0255 See UN 0456	
Blasting caps, non electric	Amorces de mine non électriques	1.1B 1.4B 1.4S	See UN 0029 See UN 0267 See UN 0455	
Bleaching powder	Chlorure de chaux	5.1	See UN 2208	P
BOMBS with bursting charge	BOMBES avec charge d'éclatement	1.1D 1.1F 1.2D 1.2F	UN 0034 UN 0033 UN 0035 UN 0291	
Bombs, illuminating	Bombes éclairantes	1.2G 1.3G 1.4G	See UN 0171 See UN 0254 See UN 0297	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
ETHYLPHENYLDICHLOROSILANE	ÉTHYLPHÉNYLDICHLOROSILANE	8	UN 2435	
1-ETHYLPIPERIDINE	ÉTHYL-1 PIPÉRIDINE	3	UN 2386	
ETHYL PROPIONATE	PROPIONATE D'ÉTHYLE	3	UN 1195	
ETHYL PROPYL ETHER	ÉTHÉR ÉTHYLPROPYLIQUE	3	UN 2615	
Ethyl tetraphosphate	Tétraphosphate d'éthyle	6.1	See UN 1611	P
Ethyl thioalcohol	MERCAPTAN ÉTHYLIQUE	3	See UN 2363	P
Ethyl silicate	Silicate d'éthyle	3	See UN 1292	
Ethyl sulfate	Sulfate d'éthyle	6.1	See UN 1594	
Ethyl sulphate	Sulfate d'éthyle	6.1	See UN 1594	
N-ETHYLTOLUIDINES	N-ÉTHYLTOLUIDINES	6.1	UN 2754	
ETHYLTRICHLOROSILANE	ÉTHYLTRICHLOROSILANE	3	UN 1196	
EXPLOSIVE, BLASTING, TYPE A	EXPLOSIF DE MINE (DE SAUTAGE) DU TYPE A	1.1D	UN 0081	
EXPLOSIVE, BLASTING, TYPE B	EXPLOSIF DE MINE (DE SAUTAGE) DU TYPE B	1.1D 1.5D	UN 0082 UN 0331	
EXPLOSIVE, BLASTING, TYPE C	EXPLOSIF DE MINE (DE SAUTAGE) DU TYPE C	1.1D	UN 0083	
EXPLOSIVE, BLASTING, TYPE D	EXPLOSIF DE MINE (DE SAUTAGE) DU TYPE D	1.1D	UN 0084	
EXPLOSIVE, BLASTING, TYPE E	EXPLOSIF DE MINE (DE SAUTAGE) DU TYPE E	1.1D 1.5D	UN 0241 UN 0332	
Explosives, emulsion	Explosifs en émulsion	1.1D 1.5D	See UN 0241 See UN 0332	
Explosive, seismic	Explosifs sismiques	1.1D 1.1D 1.1D 1.4D	See UN 0081 See UN 0082 See UN 0083 See UN 0331	
Explosive, slurry	Bouillies explosives	1.1D 1.5D	See UN 0241 See UN 0332	
Explosive, water gel	Gels aqueux explosifs	1.1D 1.5D	See UN 0241 See UN 0332	
EXTRACTS, AROMATIC, LIQUID	EXTRAITS AROMATIQUES LIQUIDES	3	UN 1169	
EXTRACTS, FLAVOURING, LIQUID	EXTRAITS LIQUIDES POUR AROMATISER	3	UN 1197	
FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	TISSUS D'ORIGINE ANIMALE, VÉGÉTALE ou SYNTHÉTIQUE imprégnés d'huile, N.S.A.	4.2	UN 1373	
FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	TISSUS IMPRÉGNÉS DE NITROCELLULOSE FAIBLEMENT NITRÉE, N.S.A.	4.1	UN 1353	
Fenamiphos (see ORGANOPHOSPHORUS PESTICIDE)	Phénamiphos (voir PESTICIDE ORGANOPHOSPHORÉ)			P
Fentabutin oxide	Oxyde de fentabutin		See Note 1	P
Fenitrothion (see ORGANOPHOSPHORUS PESTICIDE)	Fénitrothion (voir PESTICIDE ORGANOPHOSPHORÉ)			P
Fenoxaprop-ethyl	Fenoxaprop-éthyl		See Note 1	P
Fenoxaprop- <i>P</i> -ethyl	Fenoxaprop- <i>P</i> -éthyl		See Note 1	P
Fenpropathrin (see PESTICIDE, N.O.S.)	Fenpropathrine (voir PESTICIDE, N.S.A.)			P
Fensulfothion (see ORGANOPHOSPHORUS PESTICIDE)	Fensulfothion (voir PESTICIDE ORGANOPHOSPHORÉ)			P
Fenthion (see ORGANOPHOSPHORUS PESTICIDE)	Fenthion (voir PESTICIDE ORGANOPHOSPHORÉ)			P
Fentin acetate (see ORGANOTIN PESTICIDE)	Acétate de fentine (voir PESTICIDE ORGANOSTANNIQUE)			P
Fentin hydroxide (see ORGANOTIN PESTICIDE)	Hydroxyde de fentine (voir PESTICIDE ORGANOSTANNIQUE)			P
FERRIC ARSENATE	ARSÉNIATE DE FER III	6.1	UN 1606	P
FERRIC ARSENITE	ARSÉNITE DE FER III	6.1	UN 1607	P
FERRIC CHLORIDE, ANHYDROUS	CHLORURE DE FER III ANHYDRE	8	UN 1773	
FERRIC CHLORIDE SOLUTION	CHLORURE DE FER III EN SOLUTION	8	UN 2582	

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Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
FERRIC NITRATE	NITRATE DE FER III	5.1	UN 1466	
FERROCERIUM , unstabilized against corrosion or with less than 10% iron content	FERROCÉRIUM non-stabilisé contre la corrosion ou d'une teneur en fer de moins de 10 %	4.1	UN 1323	
FERROSILICON with 30% or more but less than 90% silicon	FERROSILICIUM contenant 30 % ou plus mais moins de 90 % de silicium	4.3	UN 1408	
FERROUS ARSENATE	ARSÉNIATE DE FER II	6.1	UN 1608	P
FERROUS METAL BORINGS, SHAVINGS, TURNINGS OR CUTTINGS in a form liable to self-heating	ROGNURES, COPEAUX, TOURNURES OU ÉBARBURES DE MÉTAUX FERREUX sous une forme susceptible d'échauffement spontané	4.2	UN 2793	
FERTILIZER AMMONIATING SOLUTION with free ammonia	ENGRAIS EN SOLUTION contenant de l'ammoniac non combiné	2.2	UN 1043	
Fertilizer with ammonium nitrate, n.o.s.	Nitrate d'ammonium, engrais au	5.1 9	See UN 2067 See UN 2071	
FIBRES, ANIMAL , burnt, wet or damp, regulated only when transported by vessel	FIBRES D'ORIGINE ANIMALE , brûlées, mouillées ou humides, réglementées seulement lorsqu'elles sont transportées par bâtiment	4.2	UN 1372	
FIBRES, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	FIBRES D'ORIGINE ANIMALE, VÉGÉTALE ou SYNTHÉTIQUE imprégnées d'huile, N.S.A.	4.2	UN 1373	
FIBRES, VEGETABLE , burnt, wet or damp, regulated only when transported by vessel	FIBRES D'ORIGINE VÉGÉTALE , brûlées, mouillées ou humides, réglementées seulement lorsqu'elles sont transportées par bâtiment	4.2	UN 1372	
FIBRES, VEGETABLE, DRY , regulated only when transported by vessel	FIBRES VÉGÉTALES SÈCHES , réglementées seulement lorsqu'elles sont transportées par bâtiment	4.1	UN 3360	
FIBRES IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	FIBRES IMPRÉGNÉS DE NITROCELLULOSE FAIBLEMENT NITRÉE, N.S.A.	4.1	UN 1353	
Films, nitrocellulose base, from which gelatine has been removed; film scrap	Films débarrassés de gélatine; déchets de films	4.2	See UN 2002	
FILMS, NITROCELLULOSE BASE , gelatin coated, except scrap	FILMS À SUPPORT NITROCELLULOSIQUE avec couche de gélatine, à l'exclusion des déchets	4.1	UN 1324	
FIRE EXTINGUISHER CHARGES , corrosive liquid	CHARGES D'EXTINCTEURS constituées par un liquide corrosif	8	UN 1774	
Fire extinguisher charges, expelling, explosive	Charges d'expulsion pour extincteurs	1.2C 1.3C 1.4C 1.4S	See UN 0381 See UN 0275 See UN 0276 See UN 0323	
FIRE EXTINGUISHERS with compressed or liquefied gas	EXTINCTEURS avec un gaz comprimé ou liquéfié	2.2	UN 1044	
FIRELIGHTERS, SOLID with flammable liquid	ALLUME-FEU SOLIDES imprégnés de liquide inflammable	4.1	UN 2623	
FIREWORKS	ARTIFICES DE DIVERTISSEMENT	1.1G 1.2G 1.3G 1.4G 1.4S	UN 0333 UN 0334 UN 0335 UN 0336 UN 0337	
FIRST AID KIT	TROUSSE DE PREMIERS SECOURS	9	UN 3316	
FISH MEAL, STABILIZED , regulated only when transported by vessel	FARINE DE POISSON STABILISÉE , réglementée seulement lorsqu'elle est transportée par bâtiment	9	UN 2216	
FISH MEAL, UNSTABILIZED	FARINE DE POISSON NON STABILISÉE	4.2	UN 1374	
FISH SCRAP, STABILIZED , regulated only when transported by vessel	DÉCHETS DE POISSON STABILISÉS , réglementés seulement lorsqu'ils sont transportés par bâtiment	9	UN 2216	
FISH SCRAP, UNSTABILIZED	DÉCHETS DE POISSON NON STABILISÉS	4.2	UN 1374	
Flammable gas in lighters	Gaz inflammable dans les briquets	2.1	See UN 1057	
FLAMMABLE LIQUID, N.O.S.	LIQUIDE INFLAMMABLE, N.S.A.	3	UN 1993	
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	LIQUIDE INFLAMMABLE, CORROSIF, N.S.A.	3	UN 2924	
FLAMMABLE LIQUID, TOXIC, N.O.S.	LIQUIDE INFLAMMABLE, TOXIQUE, N.S.A.	3	UN 1992	
FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	LIQUIDE INFLAMMABLE, TOXIQUE, CORROSIF, N.S.A.	3	UN 3286	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
GUANYL NITROSAMINO GUANYLTETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass	GUANYL NITROSAMINO GUANYLTÉTRAZÈNE HUMIDIFIÉ avec au moins 30 % (masse) d'eau ou d'un mélange d'alcool et d'eau	1.1A	UN 0114	
Guncotton	Coton-poudre; ou Fulmicoton	1.1D 1.1D 1.3C 1.3C	See UN 0340 See UN 0341 See UN 0342 See UN 0343	
GUNPOWDER, COMPRESSED	POUDRE NOIRE COMPRIMÉE	1.1D	UN 0028	
GUNPOWDER granular or as a meal	POUDRE NOIRE sous forme de grains ou de pulvérin	1.1D	UN 0027	
GUNPOWDER, IN PELLETS	POUDRE NOIRE EN COMPRIMÉS	1.1D	UN 0028	
Gutta percha solution	Gutta percha, solution de	3	See UN 1287	
HAFNIUM POWDER, DRY	HAFNIUM EN POUDRE SEC	4.2	UN 2545	
HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) <ul style="list-style-type: none"> mechanically produced, particle size less than 53 microns; chemically produced, particle size less than 840 microns 	HAFNIUM EN POUDRE HUMIDIFIÉ avec au moins 25 % d'eau (un excès d'eau doit être apparent) : <ul style="list-style-type: none"> produit mécaniquement, d'une granulométrie de moins de 53 microns; produit chimiquement, d'une granulométrie de moins de 840 microns 	4.1	UN 1326	
HALOGENATED MONOMETHYLDIPHENYLMETHANES, LIQUID	MONOMÉTHYLDIPHÉNYLMÉTHANES HALOGÉNÉS LIQUIDES	9	UN 3151	P
HALOGENATED MONOMETHYLDIPHENYLMETHANES, SOLID	MONOMÉTHYLDIPHÉNYLMÉTHANES HALOGÉNÉS SOLIDES	9	UN 3152	P
HAY , regulated only when transported by vessel	FOIN , réglementé seulement lorsqu'il est transporté par bâtiment	4.1	UN 1327	
HAY , wet, damp or contaminated with oil, regulated by vessel only	FOIN mouillé, humide ou souillé d'huile, réglementé seulement lorsqu'il est transporté par bâtiment	Forbidden		
HEATING OIL, LIGHT	HUILE DE CHAUFFE LÉGÈRE	3	UN 1202	
Heavy hydrogen	Hydrogène lourd	2.1	See UN 1957	
HELIUM, COMPRESSED	HÉLIUM COMPRIMÉ	2.2	UN 1046	
HELIUM, REFRIGERATED LIQUID	HÉLIUM LIQUIDE RÉFRIGÉRÉ	2.2	UN 1963	
Heptachlor (see ORGANOCHLORINE PESTICIDE)	Heptachlore (voir PESTICIDE ORGANOCHLORÉ)			P
HEPTAFLUOROPROPANE	HEPTAFLUOROPROPANE	2.2	UN 3296	
n-HEPTALDEHYDE	n-HEPTALDÉHYDE	3	UN 3056	
<i>n</i> -Heptanal	<i>n</i> -Heptanal	3	See UN 3056	
HEPTANES	HEPTANES	3	UN 1206	P
4-Heptanone	Heptanone-4	3	See UN 2710	
n-HEPTENE	n-HEPTÈNE	3	UN 2278	
Heptenophos (see ORGANOPHOSPHORUS PESTICIDE)	Heptenophos (voir PESTICIDE ORGANOCHLORÉ)			P
Heptylbenzene	<i>n</i> -Heptylbenzène	9	See UN 3082	P
Heptyl chloride	Chlorure d'heptyle	3	See UN 1993	P
HETP	HETP	6.1	See UN 1611	P
HEXACHLOROACETONE	HEXACHLORACÉTONE	6.1	UN 2661	
HEXACHLOROBENZENE	HEXACHLOROBENZÈNE	6.1	UN 2729	
HEXACHLOROBUTADIENE	HEXACHLOROBUTADIÈNE	6.1	UN 2279	P
1,3-Hexachlorobutadiene	Hexachlorobutadiène-1,3	6.1	See UN 2279	P
Hexachloro-1,3-butadiene	Hexachloro-1,3 butadiène	6.1	See UN 2279	P
HEXACHLOROCYCLOPENTADIENE	HEXACHLOROCYCLOPENTADIÈNE	6.1	UN 2646	
HEXACHLOROPHENE	HEXACHLOROPHÈNE	6.1	UN 2875	
Hexachloro-2-propanone	HEXACHLORACÉTONE	6.1	See UN 2661	
HEXADECYLTRICHLOROSILANE	HEXADÉCYLTRICHLOROSILANE	8	UN 1781	
HEXADIENE	HEXADIÈNES	3	UN 2458	

Schedule 3 – Dangerous Goods List – Alphabetical Index

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
HEXAETHYL TETRAPHOSPHATE	TÉTRAPHOSPHATE D'HEXAÉTHYLE	6.1	UN 1611	P
HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	TÉTRAPHOSPHATE D'HEXAÉTHYLE ET GAZ COMPRIMÉ EN MÉLANGE	2.3	UN 1612	
HEXAFLUOROACETONE	HEXAFLUORACÉTONE	2.3	UN 2420	
HEXAFLUOROACETONE HYDRATE, LIQUID	HYDRATE D'HEXAFLUORACÉTONE, LIQUIDE	6.1	UN 2552	
HEXAFLUOROACETONE HYDRATE, SOLID	HYDRATE D'HEXAFLUORACÉTONE, SOLIDE	6.1	UN 3436	
HEXAFLUROETHANE	HEXAFLURÉTHANE	2.2	UN 2193	
HEXAFLUOROPHOSPHORIC ACID	ACIDE HEXAFLUOROPHOSPHORIQUE	8	UN 1782	
HEXAFLUOROPROPYLENE	HEXAFLUOROPROPYLÈNE	2.2	UN 1858	
Hexahydrocresol	Hexahydrocrésol	3	See UN 2617	
Hexahydromethyl phenol	Hexahydrométhylphénol	3	See UN 2617	
HEXALDEHYDE	HEXALDÉHYDE	3	UN 1207	
HEXAMETHYLENEDIAMINE, SOLID	HEXAMÉTHYLÈNEDIAMINE SOLIDE	8	UN 2280	
HEXAMETHYLENEDIAMINE SOLUTION	HEXAMÉTHYLÈNEDIAMINE EN SOLUTION	8	UN 1783	
HEXAMETHYLENE DIISOCYANATE	DIISOCYANATE D'HEXAMÉTHYLÈNE	6.1	UN 2281	
HEXAMETHYLENEIMINE	HEXAMÉTHYLÈNEIMINE	3	UN 2493	
HEXAMETHYLENETETRAMINE	HEXAMÉTHYLÈNETÉTAMINE	4.1	UN 1328	
HEXAMETHYLENE TRIPEROXIDE DIAMINE (DRY)	HEXAMÉTHYLÈNE TRIPEROXYDE DIAMINE (SÈCHE)	Forbidden		
HEXAMETHYLOL BENZENE HEXANITRATE	HEXANITRATE D'HEXAMÉTHYLOL BENZÈNE	Forbidden		
Hexamine	Hexamine	4.1	See UN 1328	
Hexane	Hexane	3	UN 1208	P
HEXANES	HEXANES	3	UN 1208	P
HEXANITROAZOXY BENZENE	HEXANITROAZOXY BENZÈNE	Forbidden		
2,2',4,4',6,6'-HEXANITRO-3,3'-DIHYDROXYAZOBENZENE (DRY)	HEXANITRO-2,2',4,4',6,6' DIHYDROXY-3,3' AZOBENZÈNE (SEC)	Forbidden		
2,2',3,4,4',6-HEXANITRODIPHENYLAMINE	HEXANITRO-2,2',3',4,4',6 DIPHÉNYLAMINE	Forbidden		
HEXANITRODIPHENYLAMINE	HEXANITRODIPHÉNYLAMINE	1.1D	UN 0079	
2,3',4,4',6,6'-HEXANITRODIPHENYLETHER	HEXANITRO-2,3',4,4',6,6' DIPHÉNYLÉTHÈRE	Forbidden		
N,N'-(HEXANITRODIPHENYL) ETHYLENE DINITRAMINE (DRY)	N,N'-(HEXANITRODIPHÉNYL) ÉTHYLÈNE DINITRAMINE (SÈCHE)	Forbidden		
HEXANITRODIPHENYL UREA	HEXANITRODIPHÉNYL URÉE	Forbidden		
HEXANITROETHANE	HEXANITROÉTHANE	Forbidden		
HEXANITROOXANILIDE	HEXANITROOXANILIDE	Forbidden		
HEXANITROSTILBENE	HEXANITROSTILBÈNE	1.1D	UN 0392	
Hexanoic acid	Acide hexanoïque	8	See UN 2829	
HEXANOLS	HEXANOLS	3	UN 2282	
1-HEXENE	HEXÈNE-1	3	UN 2370	
HEXOGEN, DESENSITIZED	HEXOGÈNE DÉSENSIBILISÉ	1.1D	UN 0483	
HEXOGEN, WETTED with not less than 15% water, by mass	HEXOGÈNE, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0072	
HEXOGEN AND CYCLOTETRAMETHYLENETETRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	HEXOGÈNE EN MÉLANGE AVEC DE LA CYCLOTÉTAMÉTHYLÈNETÉTAMINE, DÉSENSIBILISÉ avec au moins 10% (masse) de flegmatizant	1.1D	UN 0391	
HEXOGEN AND CYCLOTETRAMETHYLENETETRAMINE MIXTURE, WETTED with not less than 15% water, by mass	HEXOGÈNE EN MÉLANGE AVEC DE LA CYCLOTÉTAMÉTHYLÈNETÉTAMINE, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0391	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
MERCURIC CHLORIDE	CHLORURE DE MERCURE II	6.1	UN 1624	P
Mercuric cyanide	Cyanure mercurique	6.1	See UN 1636	P
Mercuric gluconate	Gluconate mercurique	6.1	See UN 1637	P
Mercuric iodide	Iodure mercurique	6.1	See UN 1638	P
MERCURIC NITRATE	NITRATE DE MERCURE II	6.1	UN 1625	P
Mercuric oleate	Oléate mercurique	6.1	See UN 1640	P
Mercuric oxide	Oxyde mercurique	6.1	See UN 1641	P
Mercuric oxycyanide, desensitized	Oxycyanure mercurique désensibilisé	6.1	See UN 1642	P
MERCURIC POTASSIUM CYANIDE	CYANURE DOUBLE DE MERCURE ET DE POTASSIUM	6.1	UN 1626	P
Mercuric sulphate	Sulfate mercurique	6.1	See UN 1645	P
Mercuric sulphate	Sulfate mercurique	6.1	See UN 1645	P
Mercuric thiocyanate	Thiocyanate mercurique	6.1	See UN 1646	P
Mercuriol	Mercuriol	6.1	See UN 1639	P
Mercurous acetate	Acétate mercureux	6.1	See UN 1629	P
MERCUROUS AZIDE	AZOTURE MERCUREUX	Forbidden		
Mercurous bisulfate	Bisulfate mercureux	6.1	See UN 1645	P
Mercurous bisulphate	Bisulfate mercureux	6.1	See UN 1645	P
Mercurous bromide	Bromure mercureux	6.1	See UN 1634	P
Mercurous chloride	Chlorure de mercure I; ou Chlorure mercureux	6.1	See UN 2025	P
MERCUROUS NITRATE	NITRATE DE MERCURE I	6.1	UN 1627	P
Mercurous salicylate	Salicylate mercureux	6.1	See UN 1644	P
Mercurous sulfate	Sulfate mercureux	6.1	See UN 1645	P
Mercurous sulphate	Sulfate mercureux	6.1	See UN 1645	P
MERCURY	MERCURE	8	UN 2809	P
MERCURY ACETATE	ACÉTATE DE MERCURE	6.1	UN 1629	P
MERCURY ACETYLIDE	ACÉTYLURE DE MERCURE	Forbidden		
MERCURY AMMONIUM CHLORIDE	CHLORURE DE MERCURE AMMONIACAL	6.1	UN 1630	P
MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	PESTICIDE MERCURIEL LIQUIDE INFLAMMABLE, TOXIQUE, ayant un point d'éclair inférieur à 23 °C	3	UN 2778	P
MERCURY BASED PESTICIDE, LIQUID, TOXIC	PESTICIDE MERCURIEL LIQUIDE TOXIQUE	6.1	UN 3012	P
MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	PESTICIDE MERCURIEL LIQUIDE TOXIQUE, INFLAMMABLE, ayant un point d'éclair égal ou supérieur à 23 °C	6.1	UN 3011	P
MERCURY BASED PESTICIDE, SOLID, TOXIC	PESTICIDE MERCURIEL SOLIDE TOXIQUE	6.1	UN 2777	P
MERCURY BENZOATE	BENZOATE DE MERCURE	6.1	UN 1631	P
Mercury bichloride	Dichlorure de mercure	6.1	See UN 1624	P
Mercury bisulfate	Bisulfate de mercure; ou Pyrosulfate de mercure	6.1	See UN 1645	P
Mercury bisulphate	Bisulfate de mercure ou Pyrosulfate de mercure	6.1	See UN 1645	P
MERCURY BROMIDES	BROMURES DE MERCURE	6.1	UN 1634	P
MERCURY COMPOUND, LIQUID, N.O.S., excluding mercurous chloride and cinnabar	COMPOSÉ LIQUIDE DU MERCURE, N.S.A. à l'exception du cinabre	6.1	UN 2024	P
MERCURY COMPOUND, SOLID, N.O.S., excluding cinnabar	COMPOSÉ SOLIDE DU MERCURE, N.S.A. à l'exception du cinabre	6.1	UN 2025	P
Mercury(II) (mercuric) compounds (see MERCURY BASED PESTICIDE)	Composés du mercure (II) (mercuriques) (voir COMPOSÉ DU MERCURE N.S.A.)			P
Mercury(I) (mercurous) compounds (see MERCURY BASED PESTICIDE)	Composés du mercure (I) (mercureux) (voir COMPOSÉ DU MERCURE N.S.A.)			P

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Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
MERCURY CONTAINED IN MANUFACTURED ARTICLES	MERCURE CONTENU DANS DES OBJETS MANUFACTURÉS	8	UN 3506	
MERCURY CYANIDE	CYANURE DE MERCURE	6.1	UN 1636	P
MERCURY FULMINATE (DRY)	FULMINATE DE MERCURE (SEC)	Forbidden		
MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	FULMINATE DE MERCURE HUMIDIFIÉ avec au moins 20 % (masse) d'eau ou d'un mélange d'alcool et d'eau	1.1A	UN 0135	
MERCURY GLUCONATE	GLUCONATE DE MERCURE	6.1	UN 1637	P
MERCURY IODIDE	IODURE DE MERCURE	6.1	UN 1638	P
MERCURY IODIDE AQUABASIC AMMONOBASIC (IODIDE OF MILLON'S BASE)	IODURE DE MERCURE AQUABASIQUE AMMONOBASIQUE (IODURE DE BASE DE MILLON)	Forbidden		
MERCURY NITRIDE	NITRURE DE MERCURE	Forbidden		
MERCURY NUCLEATE	NUCLÉINATE DE MERCURE	6.1	UN 1639	P
MERCURY OLEATE	OLÉATE DE MERCURE	6.1	UN 1640	P
MERCURY OXIDE	OXYDE DE MERCURE	6.1	UN 1641	P
MERCURY OXYCYANIDE	OXYCYANURE DE MERCURE	Forbidden		
MERCURY OXYCYANIDE, DESENSITIZED	OXYCYANURE DE MERCURE DÉSENSIBILISÉ	6.1	UN 1642	P
Mercury potassium cyanide	Cyanure de mercure et de potassium	6.1	See UN 1626	P
MERCURY POTASSIUM IODIDE	IODURE DOUBLE DE MERCURE ET DE POTASSIUM	6.1	UN 1643	P
MERCURY SALICYLATE	SALICYLATE DE MERCURE	6.1	UN 1644	P
MERCURY SULFATE	SULFATE DE MERCURE	6.1	UN 1645	P
Mercury (I) sulfate	Sulfate de mercure (I)	6.1	See UN 1645	P
Mercury (II) sulfate	Sulfate de mercure (II)	6.1	See UN 1645	P
MERCURY SULPHATE	SULFATE DE MERCURE	6.1	UN 1645	P
Mercury (I) sulphate	Sulfate de mercure (I)	6.1	See UN 1645	P
Mercury (II) sulphate	Sulfate de mercure (II)	6.1	See UN 1645	P
MERCURY THIOCYANATE	THIOCYANATE DE MERCURE	6.1	UN 1646	P
Mesitylene	Mésitylène	3	See UN 2325	P
MESITYL OXIDE	OXYDE DE MÉSITYLE	3	UN 1229	
METAL CARBONYLS, LIQUID, N.O.S.	MÉTAUX-CARBONYLES LIQUIDES, N.S.A.	6.1	UN 3281	
METAL CARBONYLS, SOLID, N.O.S.	MÉTAUX-CARBONYLES SOLIDES, N.S.A.	6.1	UN 3466	
METAL CATALYST, DRY	CATALYSEUR MÉTALLIQUE SEC	4.2	UN 2881	
METAL CATALYST, WETTED, with a visible excess of liquid	CATALYSEUR MÉTALLIQUE HUMIDIFIÉ avec un excédent visible de liquide	4.2	UN 1378	
METALDEHYDE	MÉTALDÉHYDE	4.1	UN 1332	
METAL HYDRIDES, FLAMMABLE, N.O.S.	HYDRURES MÉTALLIQUES INFLAMMABLES, N.S.A.	4.1	UN 3182	
METAL HYDRIDES, WATER-REACTIVE, N.O.S.	HYDRURES MÉTALLIQUES HYDRORÉACTIFS, N.S.A.	4.3	UN 1409	
METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	MATIÈRE MÉTALLIQUE HYDRORÉACTIVE, N.S.A.	4.3	UN 3208	
METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	MATIÈRE MÉTALLIQUE HYDRORÉACTIVE, AUTO-ÉCHAUFFANTE, N.S.A.	4.3	UN 3209	
METAL POWDER, FLAMMABLE, N.O.S.	POUDRE MÉTALLIQUE INFLAMMABLE, N.S.A.	4.1	UN 3089	
METAL POWDER, SELF-HEATING, N.O.S.	POUDRE MÉTALLIQUE AUTO-ÉCHAUFFANTE, N.S.A.	4.2	UN 3189	
METAL SALTS OF METHYL NITRAMINE (DRY)	MÉTHYLNITRAMINE (SEC), SELS MÉTALLIQUES DE	Forbidden		
METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	SELS MÉTALLIQUES DE COMPOSÉS ORGANIQUES, INFLAMMABLES, N.S.A.	4.1	UN 3181	
Metam-sodium (see THIOCARBAMATE PESTICIDE)	Métam-sodium (voir THIOCARBAMATE PESTICIDE)			P
METHACRYLALDEHYDE, STABILIZED	MÉTHYLACROLÉINE STABILISÉE	3	UN 2396	
METHACRYLIC ACID, STABILIZED	ACIDE MÉTHACRYLIQUE STABILISÉ	8	UN 2531	
METHACRYLONITRILE, STABILIZED	MÉTHACRYLONITRILE STABILISÉ	6.1	UN 3079	

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Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
PYROPHORIC LIQUID, INORGANIC, N.O.S.	LIQUIDE INORGANIQUE PYROPHORIQUE, N.S.A.	4.2	UN 3194	
PYROPHORIC LIQUID, ORGANIC, N.O.S.	LIQUIDE ORGANIQUE PYROPHORIQUE, N.S.A.	4.2	UN 2845	
PYROPHORIC METAL, N.O.S.	MÉTAL PYROPHORIQUE, N.S.A.	4.2	UN 1383	
PYROPHORIC SOLID, INORGANIC, N.O.S.	SOLIDE INORGANIQUE PYROPHORIQUE, N.S.A.	4.2	UN 3200	
PYROPHORIC SOLID, ORGANIC, N.O.S.	SOLIDE ORGANIQUE PYROPHORIQUE, N.S.A.	4.2	UN 2846	
PYROSULFURYL CHLORIDE	CHLORURE DE PYROSULFURYLE	8	UN 1817	
PYROSULPHURYL CHLORIDE	CHLORURE DE PYROSULFURYLE	8	UN 1817	
Pyroxylin solution	Pyroxyline en solution	3	See UN 2059	
PYRROLIDINE	PYRROLIDINE	3	UN 1922	
QUEBRACHITOL PENTANITRATE	PENTANITRATE DE QUÉBRACHITOL	Forbidden		
Quinalphos (see ORGANOPHOSPHORUS PESTICIDE)	Quinalphos (voir PESTICIDE ORGANOPHOSPHORÉ)			P
QUINOLINE	QUINOLÉINE	6.1	UN 2656	
Quinone	Quinone ordinaire	6.1	See UN 2587	
Quizalofop	Quizalofop		See Note 1	P
Quizalofop- <i>p</i> -ethyl	Quizalofop- <i>p</i> -éthyle		See Note 1	P
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES	MATIÈRES RADIOACTIVES, OBJETS EN COLIS EXCEPTÉ	7	UN 2911	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM DEPLETED URANIUM	MATIÈRES RADIOACTIVES, OBJETS MANUFACTURÉS EN URANIUM APPAUVRI, EN COLIS EXCEPTÉ	7	UN 2909	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL THORIUM	MATIÈRES RADIOACTIVES, OBJETS MANUFACTURÉS EN THORIUM NATUREL, EN COLIS EXCEPTÉ	7	UN 2909	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM	MATIÈRES RADIOACTIVES, OBJETS MANUFACTURÉS EN URANIUM NATUREL, EN COLIS EXCEPTÉ	7	UN 2909	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	MATIÈRES RADIOACTIVES, EMBALLAGES VIDES COMME COLIS EXCEPTÉS	7	UN 2908	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS	MATIÈRES RADIOACTIVES, APPAREILS EN COLIS EXCEPTÉ	7	UN 2911	
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	MATIÈRES RADIOACTIVES, QUANTITÉS LIMITÉES EN COLIS EXCEPTÉ	7	UN 2910	
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non-fissile or fissile excepted	MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (FAS-I) non fissiles ou fissiles exceptées	7	UN 2912	
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (FAS-II), FISSILES	7	UN 3324	
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non-fissile or fissile excepted	MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (FAS-II), non fissiles ou fissiles exceptées	7	UN 3321	
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), FISSILE	MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (FAS-III), FISSILES	7	UN 3325	
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non-fissile or fissile excepted	MATIÈRES RADIOACTIVES DE FAIBLE ACTIVITÉ SPÉCIFIQUE (FAS-III), non fissiles ou fissiles exceptées	7	UN 3322	
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I), FISSILE	MATIÈRES RADIOACTIVES, OBJETS CONTAMINÉS SUPERFICIELLEMENT (OCS-I), FISSILES	7	UN 3326	
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I), non-fissile or fissile excepted	MATIÈRES RADIOACTIVES, OBJETS CONTAMINÉS SUPERFICIELLEMENT (OCS-I), non fissiles ou fissiles exceptées	7	UN 2913	
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-II), FISSILE	MATIÈRES RADIOACTIVES, OBJETS CONTAMINÉS SUPERFICIELLEMENT (OCS-II), FISSILES	7	UN 3326	
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-II), non-fissile or fissile excepted	MATIÈRES RADIOACTIVES, OBJETS CONTAMINÉS SUPERFICIELLEMENT (OCS-II), non fissiles ou fissiles exceptées	7	UN 2913	

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Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	MATIÈRES RADIOACTIVES TRANSPORTÉES SOUS ARRANGEMENT SPÉCIAL, FISSILES	7	UN 3331	
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES TRANSPORTÉES SOUS ARRANGEMENT SPÉCIAL, non fissiles ou fissiles exceptées	7	UN 2919	
RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	MATIÈRES RADIOACTIVES EN COLIS DE TYPE A, FISSILES, qui ne sont pas sous forme spéciale	7	UN 3327	
RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES EN COLIS DE TYPE A, qui ne sont pas sous forme spéciale, non fissiles ou fissiles exceptées	7	UN 2915	
RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	MATIÈRES RADIOACTIVES EN COLIS DE TYPE A SOUS FORME SPÉCIALE, FISSILES	7	UN 3333	
RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES EN COLIS DE TYPE A SOUS FORME SPÉCIALE, non fissiles ou fissiles exceptées	7	UN 3332	
RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	MATIÈRES RADIOACTIVES EN COLIS DE TYPE B(M), FISSILES	7	UN 3329	
RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES EN COLIS DE TYPE B(M), non fissiles ou fissiles exceptées	7	UN 2917	
RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	MATIÈRES RADIOACTIVES EN COLIS DE TYPE B(U), FISSILES	7	UN 3328	
RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES EN COLIS DE TYPE B(U), non fissiles ou fissiles exceptées	7	UN 2916	
RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	MATIÈRES RADIOACTIVES EN COLIS DE TYPE C, FISSILES	7	UN 3330	
RADIOACTIVE MATERIAL, TYPE C PACKAGE, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES EN COLIS DE TYPE C, non fissiles ou fissiles exceptées	7	UN 3323	
RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	MATIÈRES RADIOACTIVES, HEXAFLUORURE D'URANIUM, FISSILES	7	UN 2977	
RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile excepted	MATIÈRES RADIOACTIVES, HEXAFLUORURE D'URANIUM, non fissiles ou fissiles exceptées	7	UN 2978	
RAGS, OILY, regulated only when transported by vessel	CHIFFONS HUILEUX, réglementés seulement lorsque transportés par bâtiment	4.2	UN 1856	
RDX, DESENSITIZED	RDX DÉSENSIBILISÉ	1.1D	UN 0483	
RDX, WETTED with not less than 15% water, by mass	RDX, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0072	
RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	RDX EN MÉLANGE AVEC DE LA CYCLOTÉTRAMÉTHYLÈNETÉTANITRAMINE, DÉSENSIBILISÉ avec au moins 10 % (masse) de flegmatisant	1.1D	UN 0391	
RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass	RDX EN MÉLANGE AVEC DE LA CYCLOTÉTRAMÉTHYLÈNETÉTANITRAMINE, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0391	
RDX AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	RDX EN MÉLANGE AVEC DU HMX, DÉSENSIBILISÉ avec au moins 10 % (masse) de flegmatisant	1.1D	UN 0391	
RDX AND HMX MIXTURE, WETTED with not less than 15% water, by mass	RDX EN MÉLANGE AVEC DU HMX, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0391	
RDX AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass	RDX EN MÉLANGE AVEC DE L'OCTOGÈNE, DÉSENSIBILISÉ avec au moins 10 % (masse) de flegmatisant	1.1D	UN 0391	
RDX AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	RDX EN MÉLANGE AVEC DE L'OCTOGÈNE, HUMIDIFIÉ avec au moins 15 % (masse) d'eau	1.1D	UN 0391	
RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable	RÉCIPIENTS DE FAIBLE CAPACITÉ, CONTENANT DU GAZ sans dispositif de détente, non rechargeables	2.1 2.2	UN 2037 UN 2037	
Red phosphorus	Phosphore rouge	4.1	See UN 1338	
REFRIGERANT GAS, N.O.S.	GAZ FRIGORIFIQUE, N.S.A. ou GAZ RÉFRIGÉRANT, N.S.A.	2.2	UN 1078	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
SEED CAKE with more than 1.5% oil and not more than 11% moisture	TOURTEAUX contenant plus de 1,5 % d'huile et ayant 11 % d'humidité au maximum	4.2	UN 1386	
SEED CAKE with not more than 1.5% oil and not more than 11% moisture	TOURTEAUX contenant au plus 1,5 % d'huile et ayant 11 % d'humidité au maximum	4.2	UN 2217	
Seed expellers	TOURTEAUX	4.2	See UN 1386 See UN 2217	
SELENATES	SÉLÉNIATES	6.1	UN 2630	
SELENIC ACID	ACIDE SÉLÉNIQUE	8	UN 1905	
SELENITES	SÉLÉNITES	6.1	UN 2630	
SELENIUM COMPOUND, SOLID, N.O.S.	COMPOSÉ DU SÉLÉNIUM, SOLIDE, N.S.A	6.1	UN 3283	
SELENIUM COMPOUND, LIQUID, N.O.S.	COMPOSÉ DU SÉLÉNIUM, LIQUIDE, N.S.A.	6.1	UN 3440	
SELENIUM DISULFIDE	DISULFURE DE SÉLÉNIUM	6.1	UN 2657	
SELENIUM DISULPHIDE	DISULFURE DE SÉLÉNIUM	6.1	UN 2657	
SELENIUM HEXAFLUORIDE	HEXAFLUORURE DE SÉLÉNIUM	2.3	UN 2194	
SELENIUM NITRIDE	NITRURE DE SÉLÉNIUM	Forbidden		
SELENIUM OXYCHLORIDE	OXYCHLORURE DE SÉLÉNIUM	8	UN 2879	
SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	LIQUIDE INORGANIQUE AUTO-ÉCHAUFFANT, CORROSIF, N.S.A.	4.2	UN 3188	
SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	LIQUIDE ORGANIQUE AUTO-ÉCHAUFFANT, CORROSIF, N.S.A.	4.2	UN 3185	
SELF-HEATING LIQUID, INORGANIC, N.O.S.	LIQUIDE INORGANIQUE AUTO-ÉCHAUFFANT, N.S.A.	4.2	UN 3186	
SELF-HEATING LIQUID, ORGANIC, N.O.S.	LIQUIDE ORGANIQUE AUTO-ÉCHAUFFANT, N.S.A.	4.2	UN 3183	
SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	LIQUIDE INORGANIQUE AUTO-ÉCHAUFFANT, TOXIQUE, N.S.A.	4.2	UN 3187	
SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	LIQUIDE ORGANIQUE AUTO-ÉCHAUFFANT, TOXIQUE, N.S.A.	4.2	UN 3184	
SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	SOLIDE INORGANIQUE AUTO-ÉCHAUFFANT, CORROSIF, N.S.A.	4.2	UN 3192	
SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	SOLIDE ORGANIQUE AUTO-ÉCHAUFFANT, CORROSIF, N.S.A.	4.2	UN 3126	
SELF-HEATING SOLID, INORGANIC, N.O.S.	SOLIDE INORGANIQUE AUTO-ÉCHAUFFANT, N.S.A.	4.2	UN 3190	
SELF-HEATING SOLID, ORGANIC, N.O.S.	SOLIDE ORGANIQUE AUTO-ÉCHAUFFANT, N.S.A.	4.2	UN 3088	
SELF-HEATING SOLID, OXIDIZING, N.O.S.	SOLIDE AUTO-ÉCHAUFFANT, COMBURANT, N.S.A.	Forbidden	UN 3127	
SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	SOLIDE INORGANIQUE AUTO-ÉCHAUFFANT, TOXIQUE, N.S.A.	4.2	UN 3191	
SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	SOLIDE ORGANIQUE AUTO-ÉCHAUFFANT, TOXIQUE, N.S.A.	4.2	UN 3128	
SELF-REACTIVE LIQUID TYPE B	LIQUIDE AUTORÉACTIF DU TYPE B	4.1	UN 3221	
SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	LIQUIDE AUTORÉACTIF DU TYPE B, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3231	
SELF-REACTIVE LIQUID TYPE C	LIQUIDE AUTORÉACTIF DU TYPE C	4.1	UN 3223	
SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	LIQUIDE AUTORÉACTIF DU TYPE C, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3233	
SELF-REACTIVE LIQUID TYPE D	LIQUIDE AUTORÉACTIF DU TYPE D	4.1	UN 3225	
SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	LIQUIDE AUTORÉACTIF DU TYPE D, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3235	
SELF-REACTIVE LIQUID TYPE E	LIQUIDE AUTORÉACTIF DU TYPE E	4.1	UN 3227	
SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	LIQUIDE AUTORÉACTIF DU TYPE E, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3237	
SELF-REACTIVE LIQUID TYPE F	LIQUIDE AUTORÉACTIF DU TYPE F	4.1	UN 3229	

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<i>Col 1a</i>	<i>Col 1b</i>	<i>Col 2</i>	<i>Col 3</i>	<i>Col 4</i>
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	LIQUIDE AUTORÉACTIF DU TYPE F, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3239	
SELF-REACTIVE SOLID TYPE B	SOLIDE AUTORÉACTIF DU TYPE B	4.1	UN 3222	
SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	SOLIDE AUTORÉACTIF DU TYPE B, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3232	
SELF-REACTIVE SOLID TYPE C	SOLIDE AUTORÉACTIF DU TYPE C	4.1	UN 3224	
SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	SOLIDE AUTORÉACTIF DU TYPE C, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3234	
SELF-REACTIVE SOLID TYPE D	SOLIDE AUTORÉACTIF DU TYPE D	4.1	UN 3226	
SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	SOLIDE AUTORÉACTIF DU TYPE D, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3236	
SELF-REACTIVE SOLID TYPE E	SOLIDE AUTORÉACTIF DU TYPE E	4.1	UN 3228	
SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	SOLIDE AUTORÉACTIF DU TYPE E, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3238	
SELF-REACTIVE SOLID TYPE F	SOLIDE AUTORÉACTIF DU TYPE F	4.1	UN 3230	
SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	SOLIDE AUTORÉACTIF DU TYPE F, AVEC RÉGULATION DE TEMPÉRATURE	4.1	UN 3240	
SHALE OIL	HUILE DE SCHISTE	3	UN 1288	
Shaped charges	Charges formées	1.1D 1.2D 1.4D 1.4S	See UN 0059 See UN 0439 See UN 0440 See UN 0441	
Shellacs	Shellacs	3 8	See UN 1263 See UN 3066	
SIGNAL DEVICES, HAND	ARTIFICES DE SIGNALISATION À MAIN	1.4G 1.4S	UN 0191 UN 0373	
SIGNALS, DISTRESS, vessel	SIGNAUX DE DÉTRESSE de bâtiments	1.1G 1.3G 1.4G 1.4S	UN 0194 UN 0195 UN 0505 UN 0506	
Signals, distress, vessel, water-activated	Signaux de détresse de bâtiments (hydroactifs)	1.2L 1.3L	See UN 0248 See UN 0249	
SIGNALS, RAILWAY TRACK, EXPLOSIVE	PÉTARDS DE CHEMIN DE FER	1.1G 1.3G 1.4G 1.4S	UN 0192 UN 0492 UN 0493 UN 0193	
SIGNALS, SMOKE	SIGNAUX FUMIGÈNES	1.1G 1.2G 1.3G 1.4G 1.4S	UN 0196 UN 0313 UN 0487 UN 0197 UN 0507	
Silafluofen	Silafluofen		See Note 1	P
SILANE	SILANE	2.1	UN 2203	
Silicochloroform	Silicochloroforme	4.3	See UN 1295	
Silicofluoric acid	ACIDE FLUOROSILICIQUE	8	See UN 1778	
Silicofluorides, n.o.s.	Fluosilicates, n.s.a.	6.1	See UN 2856	
Silicon chloride	Chlorure de silicium	8	See UN 1818	
SILICON POWDER, AMORPHOUS	SILICIUM EN POUDRE AMORPHE	4.1	UN 1346	
SILICON TETRACHLORIDE	TÉTACHLORURE DE SILICIUM	8	UN 1818	
SILICON TETRAFLUORIDE	TÉTRAFLUORURE DE SILICIUM	2.3	UN 1859	
SILICON TETRAFLUORIDE, ADSORBED	TÉTRAFLUORURE DE SILICIUM ADSORBÉ	2.3	UN 3521	
SILVER ACETYLIDE (DRY)	ACÉTYLURE D'ARGENT (SEC)	Forbidden		
SILVER ARSENITE	ARSÉNITE D'ARGENT	6.1	UN 1683	P

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
SODIUM PERCHLORATE	PERCHLORATE DE SODIUM	5.1	UN 1502	
SODIUM PERMANGANATE	PERMANGANATE DE SODIUM	5.1	UN 1503	
SODIUM PEROXIDE	PEROXYDE DE SODIUM	5.1	UN 1504	
SODIUM PEROXOBORATE, ANHYDROUS	PEROXOBORATE DE SODIUM ANHYDRE	5.1	UN 3247	
SODIUM PERSULFATE	PERSULFATE DE SODIUM	5.1	UN 1505	
SODIUM PERSULPHATE	PERSULFATE DE SODIUM	5.1	UN 1505	
SODIUM PHOSPHIDE	PHOSPHURE DE SODIUM	4.3	UN 1432	
SODIUM PICRAMATE , dry or wetted with less than 20% water, by mass	PICRAMATE DE SODIUM sec ou humidifié avec moins de 20 % (masse) d'eau	1.3C	UN 0235	
SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	PICRAMATE DE SODIUM HUMIDIFIÉ avec au moins 20 % (masse) d'eau	4.1	UN 1349	
SODIUM PICRYL PEROXIDE	PEROXYDE DE SODIUM PICRYLE	Forbidden		
Sodium potassium alloys	Potassium et sodium, alliages de	4.3	See UN 1422 See UN 3404	
Sodium selenate	Séléniate de sodium	6.1	See UN 2630	
Sodium selenite	Sélénite de sodium	6.1	See UN 2630	
Sodium silicofluoride	Fluosilicate de sodium	6.1	See UN 2674	
SODIUM SULFIDE with less than 30% water of crystallization	SULFURE DE SODIUM avec moins de 30 % d'eau de cristallisation	4.2	UN 1385	
SODIUM SULFIDE, ANHYDROUS	SULFURE DE SODIUM ANHYDRE	4.2	UN 1385	
SODIUM SULFIDE, HYDRATED with not less than 30% water	SULFURE DE SODIUM HYDRATÉ avec au moins 30 % d'eau	8	UN 1849	
SODIUM SULPHIDE with less than 30% water of crystallization	SULFURE DE SODIUM avec moins de 30 % d'eau de cristallisation	4.2	UN 1385	
SODIUM SULPHIDE, ANHYDROUS	SULFURE DE SODIUM ANHYDRE	4.2	UN 1385	
SODIUM SULPHIDE, HYDRATED with not less than 30% water	SULFURE DE SODIUM HYDRATÉ avec au moins 30 % d'eau	8	UN 1849	
SODIUM SUPEROXIDE	SUPEROXYDE DE SODIUM	5.1	UN 2547	
SODIUM TETRANITRIDE	TÉTRANITRURE DE SODIUM	Forbidden		
SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	SOLIDES CONTENANT DU LIQUIDE CORROSIF, N.S.A.	8	UN 3244	
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	SOLIDES CONTENANT DU LIQUIDE INFLAMMABLE, N.S.A.	4.1	UN 3175	
SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	SOLIDES CONTENANT DU LIQUIDE TOXIQUE, N.S.A.	6.1	UN 3243	
Solvents, flammable, n.o.s.	Solvants, inflammables, n.s.a.	3	See UN 1993	
Solvents, flammable, toxic, n.o.s.	Solvants, inflammables, toxiques, n.s.a.	3	See UN 1992	
SOUNDING DEVICES, EXPLOSIVE	CAPSULES DE SONDAGE EXPLOSIVES	1.1D 1.1F 1.2D 1.2F	UN 0374 UN 0296 UN 0375 UN 0204	
Squibs	Squibs	1.4G 1.4S	See UN 0325 See UN 0454	
STANNIC CHLORIDE, ANHYDROUS	CHLORURE D'ÉTAIN IV ANHYDRE	8	UN 1827	
STANNIC CHLORIDE PENTAHYDRATE	CHLORURE D'ÉTAIN IV PENTAHYDRATÉ	8	UN 2440	
STANNIC PHOSPHIDES	PHOSPHURES STANNIQUES	4.3	UN 1433	
Steel swarf	Riblon d'acier	4.2	See UN 2793	
STIBINE	STIBINE	2.3	UN 2676	
STRAW , regulated only when transported by vessel	PAILLE , réglementée seulement lorsqu'elle est transportée par bâtiment	4.1	UN 1327	
STRAW , wet, damp or contaminated with oil, by vessel only	PAILLE , mouillée, humide ou souillée d'huile, par bâtiment seulement	Forbidden		
Strontium alloys, pyrophoric	Strontium, alliage pyrophorique de	4.2	See UN 1383	

Schedule 3 – Dangerous Goods List – Alphabetical Index

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
STRONTIUM ARSENITE	ARSÉNITE DE STRONTIUM	6.1	UN 1691	
STRONTIUM CHLORATE	CHLORATE DE STRONTIUM	5.1	UN 1506	
Strontium dioxide	Dioxyde de strontium	5.1	See UN 1509	
STRONTIUM NITRATE	NITRATE DE STRONTIUM	5.1	UN 1507	
STRONTIUM PERCHLORATE	PERCHLORATE DE STRONTIUM	5.1	UN 1508	
STRONTIUM PEROXIDE	PEROXYDE DE STRONTIUM	5.1	UN 1509	
STRONTIUM PHOSPHIDE	PHOSPHURE DE STRONTIUM	4.3	UN 2013	
STRYCHNINE	STRYCHNINE	6.1	UN 1692	P
Strychnine pesticides (see PESTICIDE, N.O.S.)	Strychnine (pesticides) (voir PESTICIDE, N.S.A.)			P
STRYCHNINE SALTS	SELS DE STRYCHNINE	6.1	UN 1692	P
STYPHNIC ACID , dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	ACIDE STYPHNIQUE sec ou humidifié avec moins de 20 % (masse) d'eau ou d'un mélange d'alcool et d'eau	1.1D	UN 0219	
STYPHNIC ACID, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	ACIDE STYPHNIQUE HUMIDIFIÉ avec au moins 20 % (masse) d'eau ou d'un mélange d'alcool et d'eau	1.1D	UN 0394	
STYRENE MONOMER, STABILIZED	STYRÈNE MONOMÈRE STABILISÉ	3	UN 2055	
SUBSTANCES, EVI, N.O.S.	MATIÈRES ETPS, N.S.A.	1.5D	UN 0482	
SUBSTANCES, EXPLOSIVE, N.O.S.	MATIÈRES EXPLOSIVES, N.S.A.	1.1A 1.1C 1.1D 1.1G 1.1L 1.2L 1.3C 1.3G 1.3L 1.4C 1.4D 1.4G 1.4S	UN 0473 UN 0474 UN 0475 UN 0476 UN 0357 UN 0358 UN 0477 UN 0478 UN 0359 UN 0479 UN 0480 UN 0485 UN 0481	
SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE, N.O.S.	MATIÈRES EXPLOSIVES TRÈS PEU SENSIBLES, N.S.A.	1.5D	UN 0482	
Substances liable to spontaneous combustion, n.o.s.	Matières sujettes à l'inflammation spontanée, n.s.a.	4.2	See UN 2845 See UN 2846 See UN 3194 See UN 3200	
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC , flash point less than 23 °C	NITROPHÉNOLE SUBSTITUÉ PESTICIDE LIQUIDE INFLAMMABLE, TOXIQUE , ayant un point d'éclair inférieur à 23 °C	3	UN 2780	
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	NITROPHÉNOLE SUBSTITUÉ PESTICIDE LIQUIDE TOXIQUE	6.1	UN 3014	
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE , flash point not less than 23 °C	NITROPHÉNOLE SUBSTITUÉ PESTICIDE LIQUIDE, TOXIQUE, INFLAMMABLE , ayant un point d'éclair égal ou supérieur à 23 °C	6.1	UN 3013	
SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	NITROPHÉNOLE SUBSTITUÉ PESTICIDE SOLIDE TOXIQUE	6.1	UN 2779	
SUCROSE OCTANITRATE (DRY)	OCTANITRATE DE SUCROSE (SEC)	Forbidden		
SULFAMIC ACID	ACIDE SULFAMIQUE	8	UN 2967	
Sulfotep (see ORGANOPHOSPHORUS PESTICIDE)	Sulfotep (voir PESTICIDE ORGANOPHOSPHORÉ)			P
SULFUR	SOUFRE	4.1	UN 1350	
SULFUR AND CHLORATE, LOOSE MIXTURES OF	SOUFRE ET CHLORATE, EN MÉLANGE PULVÉRULENT	Forbidden		
SULFUR CHLORIDES	CHLORURES DE SOUFRE	8	UN 1828	
Sulfur dichloride	Dichlorure de soufre	8	See UN 1828	
SULFUR DIOXIDE	DIOXYDE DE SOUFRE	2.3	UN 1079	
Sulfuretted hydrogen	Hydrogène sulfuré	2.3	See UN 1053	
SULFUR HEXAFLUORIDE	HEXAFLUORURE DE SOUFRE	2.2	UN 1080	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
TETRAMETHYLSILANE	TÉTAMÉTHYLSILANE	3	UN 2749	
TETRANITROANILINE	TÉTANITRANILINE	1.1D	UN 0207	
TETRANITRODIGLYCERIN	TÉTANITRO DIGLYCÉRINE	Forbidden		
TETRANITROMETHANE	TÉTANITROMÉTHANE	6.1	UN 1510	
2,3,4,6-TETRANITROPHENOL	TÉTANITRO-2,3,4,6 PHÉNOL	Forbidden		
2,3,4,6-TETRANITROPHENYL METHYL NITRAMINE	TÉTANITRO-2,3,4,6 PHÉNYL MÉTHYL NITRAMINE	Forbidden		
2,3,4,6-TETRANITROPHENYLNITRAMINE	TÉTANITRO-2,3,4,6 PHÉNYLNITRAMINE	Forbidden		
TETRANITRORESORCINAL (DRY)	TÉTANITRORÉSORCINOL (SEC)	Forbidden		
2,3,5,6-TETRANITROSO-1,4-DINITROBENZENE	TÉTANITROSO-2,3,5,6 DINITRO-1,4 BENZÈNE	Forbidden		
2,3,5,6-TETRANITROSO NITROBENZENE (DRY)	TÉTANITROSO-2,3,5,6 NITROBENZÈNE (SEC)	Forbidden		
TETRAPROPYL ORTHOTITANATE	ORTHOTITANATE DE PROPYLE	3	UN 2413	
Tetrapropylene	Propylène, tétramère du; ou Tétramère du propylène	3	UN 2850	P
TETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass	TÉTRAZÈNE HUMIDIFIÉ avec au moins 30 % (masse) d'eau ou d'un mélange d'alcool et d'eau	1.1A	UN 0114	
TETRAZINE	TÉTRAZINE	Forbidden		
TETRAZOL-1-ACETIC ACID	ACIDE TÉTRAZOL-1-ACÉTIQUE	1.4C	UN 0407	
1H-TETRAZOLE	TÉTRAZOLE-1H	1.1D	UN 0504	
TETRAZOLYL AZIDE (DRY)	AZOTURE DE TÉTRAZOLYLE (SEC)	Forbidden		
TETRYL	TÉTRYL	1.1D	UN 0208	
TEXTILE WASTE, WET, regulated only when transported by vessel	DÉCHETS TEXTILES MOUILLÉS, réglementés seulement lorsqu'ils sont transportés par bâtiment	4.2	UN 1857	
THALLIUM CHLORATE	CHLORATE DE THALLIUM	5.1	UN 2573	P
Thallium (I) chlorate	Chlorate de thallium (I)	5.1	See UN 2573	P
THALLIUM COMPOUND, N.O.S.	COMPOSÉ DU THALLIUM, N.S.A.	6.1	UN 1707	P
THALLIUM NITRATE	NITRATE DE THALLIUM	6.1	UN 2727	P
Thallium (I) nitrate	Nitrate de thallium (I)	6.1	See UN 2727	P
Thallium sulfate	Sulfate de thallium	6.1	See UN 1707	P
Thallium sulphate	Sulfate de thallium	6.1	See UN 1707	P
Thalious chlorate	Chlorate thalleux	5.1	See UN 2573	P
4-THIAPENTANAL	MÉTHYLTHIO-3 PROPANAL ou 4-THIAPENTANAL	6.1	UN 2785	
Thia-4-pentanal	4-THIAPENTANAL	6.1	See UN 2785	
THIOACETIC ACID	ACIDE THIOACÉTIQUE	3	UN 2436	
THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	THIOCARBAMATE PESTICIDE LIQUIDE INFLAMMABLE, TOXIQUE, ayant un point d'éclair inférieur à 23 °C	3	UN 2772	
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	THIOCARBAMATE PESTICIDE LIQUIDE TOXIQUE	6.1	UN 3006	
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	THIOCARBAMATE PESTICIDE LIQUIDE TOXIQUE, INFLAMMABLE, ayant un point d'éclair égal ou supérieur à 23 °C	6.1	UN 3005	
THIOCARBAMATE PESTICIDE, SOLID, TOXIC	THIOCARBAMATE PESTICIDE SOLIDE TOXIQUE	6.1	UN 2771	
Thiocarbonyl tetrachloride	Tétrachlorure de thiocarbonyle	6.1	See UN 1670	P
THIOGLYCOL	THIOGLYCOL	6.1	UN 2966	
THIOGLYCOLIC ACID	ACIDE THIOGLYCOLIQUE	8	UN 1940	
THIOLACTIC ACID	ACIDE THIOLACTIQUE	6.1	UN 2936	
THIONYL CHLORIDE	CHLORURE DE THIONYLE	8	UN 1836	
THIOPHENE	THIOPHÈNE	3	UN 2414	
Thiophenol	Thiophénol	6.1	See UN 2337	

Schedule 3 – Dangerous Goods List – Alphabetical Index

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
THIOPHOSGENE	THIOPHOSGÈNE	6.1	UN 2474	
THIOPHOSPHORYL CHLORIDE	CHLORURE DE THIOPHOSPHORYLE	8	UN 1837	
THIOUREA DIOXIDE	DIOXYDE DE THIO-URÉE	4.2	UN 3341	
Tin (IV) chloride, anhydrous	CHLORURE D'ÉTAIN IV ANHYDRE	8	See UN 1827	
Tin (IV) chloride, pentahydrate	CHLORURE D'ÉTAIN IV PENTAHYDRATÉ	8	See UN 2440	
TINCTURES, MEDICINAL	TEINTURES MÉDICINALES	3	UN 1293	
Tin tetrachloride	Tétrachlorure d'étain	8	See UN 1827	
TITANIUM DISULFIDE	DISULFURE DE TITANE	4.2	UN 3174	
TITANIUM DISULPHIDE	DISULFURE DE TITANE	4.2	UN 3174	
TITANIUM HYDRIDE	HYDRURE DE TITANE	4.1	UN 1871	
TITANIUM POWDER, DRY	TITANE EN POUDRE SEC	4.2	UN 2546	
TITANIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	TITANE EN POUDRE HUMIDIFIÉ avec au moins 25 % d'eau (un excès d'eau doit être apparent) : a) produit mécaniquement, d'une granulométrie de moins de 53 microns; b) produit chimiquement, d'une granulométrie de moins de 840 microns	4.1	UN 1352	
TITANIUM SPONGE GRANULES	ÉPONGE DE TITANE, SOUS FORME DE GRANULÉS	4.1	UN 2878	
TITANIUM SPONGE POWDERS	ÉPONGE DE TITANE, SOUS FORME DE POUDRE	4.1	UN 2878	
TITANIUM TETRACHLORIDE	TÉTACHLORURE DE TITANE	6.1	UN 1838	
TITANIUM TRICHLORIDE MIXTURE	TRICHLORURE DE TITANE EN MÉLANGE	8	UN 2869	
TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	TRICHLORURE DE TITANE EN MÉLANGE PYROPHORIQUE	4.2	UN 2441	
TITANIUM TRICHLORIDE, PYROPHORIC	TRICHLORURE DE TITANE PYROPHORIQUE	4.2	UN 2441	
TNT, dry or wetted with less than 30% water, by mass	TNT sec ou humidifié avec moins de 30 % (masse) d'eau	1.1D	UN 0209	
TNT mixed with aluminium	TNT en mélange avec de l'aluminium	1.1D	See UN 0390	
TNT AND HEXANITROSTILBENE MIXTURE	TNT EN MÉLANGE AVEC DE L'HEXANITROSTILBÈNE	1.1D	UN 0388	
TNT AND TRINITROBENZENE MIXTURE	TNT EN MÉLANGE AVEC DU TRINITROBENZÈNE	1.1D	UN 0388	
TNT MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	TNT EN MÉLANGE AVEC DU TRINITROBENZÈNE ET DE L'HEXANITROSTILBÈNE	1.1D	UN 0389	
TNT, WETTED with not less than 10% water, by mass	TNT HUMIDIFIÉ avec au moins 10 % (masse) d'eau	4.1	UN 3366	
TNT, WETTED with not less than 30% water, by mass	TNT HUMIDIFIÉ avec au moins 30 % (masse) d'eau	4.1	UN 1356	
Toe puffs, nitrocellulose base	Contreforts de chaussures (à base de nitrocellulose)	4.1	See UN 1353	
TOLUENE	TOLUÈNE	3	UN 1294	
TOLUENE DIISOCYANATE	DIISOCYANATE DE TOLUÈNE	6.1	UN 2078	
TOLUIDINES, LIQUID	TOLUIDINES LIQUIDES	6.1	UN 1708	P
TOLUIDINES, SOLID	TOLUIDINES SOLIDES	6.1	UN 3451	P
Toluol	Toluol	3	See UN 1294	
2,4-TOLUYLENEDIAMINE, SOLID	m-TOLUYLÈNEDIAMINE, SOLIDE	6.1	UN 1709	
2,4-TOLUYLENEDIAMINE SOLUTION	m-TOLUYLÈNEDIAMINE EN SOLUTION	6.1	UN 3418	
Toluylene diisocyanate	Toluyène diisocyanate	6.1	See UN 2078	
Tolylene diisocyanate	DIISOCYANATE DE TOLUÈNE	6.1	See UN 2078	
Tolyethylene, stabilized	Tolyéthylène, stabilisé	3	See UN 2618	
TORPEDOES with bursting charge	TORPILLES avec charge d'éclatement	1.1D 1.1E 1.1F	UN 0451 UN 0329 UN 0330	
TORPEDOES, LIQUID FUELLED with inert head	TORPILLES À COMBUSTIBLE LIQUIDE avec tête inerte	1.3J	UN 0450	
TORPEDOES, LIQUID FUELLED with or without bursting charge	TORPILLES À COMBUSTIBLE LIQUIDE avec ou sans charge d'éclatement	1.1J	UN 0449	

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
VINYL METHYL ETHER, STABILIZED	ÉTHÉR MÉTHYLVINYLE STABILISÉ	2.1	UN 1087	
VINYL NITRATE POLYMER	NITRATE DE VINYLE, POLYMÈRE DE	Forbidden		
VINYLPYRIDINES, STABILIZED	VINYLPYRIDINES STABILISÉES	6.1	UN 3073	
VINYLTOLUENES, STABILIZED	VINYLTOLUÈNES STABILISÉS	3	UN 2618	
VINYLTRICHLOROSILANE	VINYLTRICHLOROSILANE	3	UN 1305	
Warfarin (and salts of) (see COUMARIN DERIVATIVE PESTICIDE)	Warfarine (et ses sels) (voir PESTICIDE COUMARINIQUE)			P
Warheads for guided missiles	Têtes militaires pour missiles guidés	1.1D 1.1F 1.2D 1.4D 1.4F	See UN 0286 See UN 0369 See UN 0287 See UN 0370 See UN 0371	
WARHEADS, ROCKET with burster or expelling charge	TÊTES MILITAIRES POUR ENGIN AUTOPROPULSÉS avec charge de dispersion ou charge d'expulsion	1.4D 1.4F	UN 0370 UN 0371	
WARHEADS, ROCKET with bursting charge	TÊTES MILITAIRES POUR ENGIN AUTOPROPULSÉS avec charge d'éclatement	1.1D 1.1F 1.2D	UN 0286 UN 0369 UN 0287	
WARHEADS, TORPEDO with bursting charge	TÊTES MILITAIRES POUR TORPILLES avec charge d'éclatement	1.1D	UN 0221	
WATER-REACTIVE LIQUID, N.O.S.	LIQUIDE HYDRORÉACTIF, N.S.A.	4.3	UN 3148	
WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	LIQUIDE HYDRORÉACTIF, CORROSIF, N.S.A.	4.3	UN 3129	
WATER-REACTIVE LIQUID, TOXIC, N.O.S.	LIQUIDE HYDRORÉACTIF, TOXIQUE, N.S.A.	4.3	UN 3130	
WATER-REACTIVE SOLID, N.O.S.	SOLIDE HYDRORÉACTIF, N.S.A.	4.3	UN 2813	
WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	SOLIDE HYDRORÉACTIF, CORROSIF, N.S.A.	4.3	UN 3131	
WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	SOLIDE HYDRORÉACTIF, INFLAMMABLE, N.S.A.	4.3	UN 3132	
WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	SOLIDE HYDRORÉACTIF, COMBURANT, N.S.A.	Forbidden	UN 3133	
WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	SOLIDE HYDRORÉACTIF, AUTO-ÉCHAUFFANT, N.S.A.	4.3	UN 3135	
WATER-REACTIVE SOLID, TOXIC, N.O.S.	SOLIDE HYDRORÉACTIF, TOXIQUE, N.S.A.	4.3	UN 3134	
Waxes	Cirages	3 8	See UN 1263 See UN 3066	
White arsenic	Arsenic blanc	6.1	See UN 1561	
White phosphorus, dry	PHOSPHORE BLANC, SEC	4.2	See UN 1381	P
White phosphorus, in solution	PHOSPHORE BLANC, EN SOLUTION	4.2	See UN 1381	P
White phosphorus, molten	PHOSPHORE BLANC, FONDU	4.2	See UN 2447	P
White phosphorus, under water	PHOSPHORE BLANC, RECOUVERT D'EAU	4.2	See UN 1381	P
White spirit	White-spirit	3	See UN 1300	P
White spirit, low (15% - 20%) aromatic	White-spirit, à faible teneur en aromatiques (15% - 20%)	3	See UN 1300	P
WOOD PRESERVATIVES, LIQUID	PRODUITS DE PRÉSERVATION DES BOIS, LIQUIDES	3	UN 1306	
Wood tar	Goudron de bois	9	UN 3082	P
WOOL WASTE, WET, regulated only when transported by vessel	DÉCHETS DE LAINE MOUILLÉES, réglementés seulement lorsqu'ils sont transportés par bâtiment	4.2	UN 1387	
XANTHATES	XANTHATES	4.2	UN 3342	
XENON	XÉNON	2.2	UN 2036	
XENON, REFRIGERATED LIQUID	XÉNON LIQUIDE RÉFRIGÉRÉ	2.2	UN 2591	
XYLENES	XYLÈNES	3	UN 1307	
XYLENOLS, LIQUID	XYLÉNOLS LIQUIDES	6.1	UN 3430	
XYLENOLS, SOLID	XYLÉNOLS SOLIDES	6.1	UN 2261	
XYLIDINES, LIQUID	XYLIDINES LIQUIDES	6.1	UN 1711	
XYLIDINES, SOLID	XYLIDINES SOLIDES	6.1	UN 3452	

Schedule 3 – Dangerous Goods List – Alphabetical Index

Col 1a	Col 1b	Col 2	Col 3	Col 4
Shipping or Technical Name	Appellation réglementaire ou technique	Primary Class	UN Number	Marine Pollutant
Xylols	Xylols	3	See UN 1307	
XYLYL BROMIDE, LIQUID	BROMURE DE XYLYLE, LIQUIDE	6.1	UN 1701	
XYLYL BROMIDE, SOLID	BROMURE DE XYLYLE, SOLIDE	6.1	UN 3417	
p-XYLYL DIAZIDE	DIAZOTURE DE p-XYLYLE	Forbidden		
Yellow phosphorus, dry	PHOSPHORE JAUNE, SEC	4.2	UN 1381	P
Yellow phosphorus, in solution	PHOSPHORE JAUNE, EN SOLUTION	4.2	UN 1381	P
Yellow phosphorus, under water	PHOSPHORE JAUNE, RECOUVERT D'EAU	4.2	UN 1381	P
ZINC AMMONIUM NITRITE	NITRITE DE ZINC AMMONIACAL	5.1	UN 1512	
ZINC ARSENATE	ARSÉNIATE DE ZINC	6.1	UN 1712	
ZINC ARSENATE AND ZINC ARSENITE MIXTURE	ARSÉNIATE DE ZINC ET ARSÉNITE DE ZINC EN MÉLANGE	6.1	UN 1712	
ZINC ARSENITE	ARSÉNITE DE ZINC	6.1	UN 1712	
ZINC ASHES	CENDRES DE ZINC	4.3	UN 1435	
Zinc bisulfite solution	Bisulfite de zinc en solution	8	See UN 2693	
Zinc bisulphite solution	Bisulfite de zinc en solution	8	See UN 2693	
ZINC BROMATE	BROMATE DE ZINC	5.1	UN 2469	
Zinc bromide	Bromure de zinc	9	See UN 3077	P
ZINC CHLORATE	CHLORATE DE ZINC	5.1	UN 1513	
ZINC CHLORIDE, ANHYDROUS	CHLORURE DE ZINC ANHYDRE	8	UN 2331	P
ZINC CHLORIDE SOLUTION	CHLORURE DE ZINC EN SOLUTION	8	UN 1840	P
ZINC CYANIDE	CYANURE DE ZINC	6.1	UN 1713	P
ZINC DITHIONITE	DITHIONITE DE ZINC	9	UN 1931	
ZINC DUST	ZINC EN POUSSIÈRE	4.3	UN 1436	
ZINC FLUROSILICATE	FLUROSILICATE DE ZINC	6.1	UN 2855	
Zinc hexafluorosilicate	Hexafluorosilicate de zinc	6.1	See UN 2855	
ZINC HYDROSULFITE	HYDROSULFITE DE ZINC	9	UN 1931	
ZINC HYDROSULPHITE	HYDROSULFITE DE ZINC	9	UN 1931	
ZINC NITRATE	NITRATE DE ZINC	5.1	UN 1514	
ZINC PERMANGANATE	PERMANGANATE DE ZINC	5.1	UN 1515	
ZINC PEROXIDE	PEROXYDE DE ZINC	5.1	UN 1516	
ZINC PHOSPHIDE	PHOSPHURE DE ZINC	4.3	UN 1714	
ZINC POWDER	ZINC EN POUDRE	4.3	UN 1436	
ZINC RESINATE	RÉSINATE DE ZINC	4.1	UN 2714	
Zinc selenate	Séléniate de zinc	6.1	See UN 2630	
Zinc selenite	Selenite de zinc	6.1	See UN 2630	
Zinc silicofluoride	Fluosilicate de zinc	6.1	See UN 2855	
ZIRCONIUM, DRY , coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	ZIRCONIUM SEC , sous forme de fils enroulés, de plaques métalliques ou de bandes d'une épaisseur inférieure à 254 microns mais au minimum 18 microns	4.1	UN 2858	
ZIRCONIUM, DRY , finished sheets, strip or coiled wire	ZIRCONIUM SEC , sous forme de feuilles, de bandes ou de fils	4.2	UN 2009	
ZIRCONIUM HYDRIDE	HYDRURE DE ZIRCONIUM	4.1	UN 1437	
ZIRCONIUM NITRATE	NITRATE DE ZIRCONIUM	5.1	UN 2728	
ZIRCONIUM PICRAMATE , dry or wetted with less than 20% water, by mass	PICRAMATE DE ZIRCONIUM sec ou humidifié avec moins de 20 % (masse) d'eau	1.3C	UN 0236	
ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	PICRAMATE DE ZIRCONIUM HUMIDIFIÉ avec au moins 20 % (masse) d'eau	4.1	UN 1517	

TDG Resources

We encourage you to add your own resource information to this section, such as:

- sample shipping documents,
- TDG training materials,
- your company policies and procedures relating to dangerous goods,
- addresses of useful websites, and
- a list of contacts and suppliers.

We have included the most recent **Regulatory Impact Analysis Statements (RIAS)** describing the background and rationale for changes to the Transportation of Dangerous Goods Regulations.

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Regulatory Impact Analysis Statement

Marine Provisions

(This statement is not part of the Regulations.)

Issues

The marine provisions in the *Transportation of Dangerous Goods Regulations* (TDG Regulations) were last revised in 2001. The TDG Regulations refer to terms and definitions that are no longer in the *Canada Shipping Act, 2001* (CSA 2001) or in regulations made under the CSA 2001, such as the *Cargo, Fumigation and Tackle Regulations* (CFTR) and the *Vessel Certificates Regulations* (VCR). In addition, other differences between the TDG Regulations and the CFTR pose challenges for regulatees. Stakeholders requested that the TDG Regulations be harmonized with the CSA 2001 and other Transport Canada regulations to minimize confusion with respect to certain requirements.

One difference in particular between the CFTR and the TDG Regulations is the distance contained in the definition “short-run ferry.” The TDG Regulations define a short-run ferry as “a ship that is operating over the most direct water route between two points not more than 3 km apart,” while the CFTR definition refers to a “direct water route between two points not more than 5 km apart.” This raised concerns and impacted some stakeholders. Since both regulations provided exemptions for short-run ferries, consignors and carriers that transport dangerous goods on ferries with routes between 3 km and 5 km are eligible for exemptions under the CFTR but not under the TDG Regulations. For example, operators of these ferries are not restricted from carrying dangerous goods on board with passengers under the CFTR but are restricted under the TDG Regulations.

The way that the short-run ferry exemption in the TDG Regulations is worded has posed a challenge for regulatees. Misinterpretation of the exemption could lead to non-compliance with parts of the TDG Regulations, which could have potential negative impacts on safety.

The transportation of gasoline and propane is limited to quantities of 100 L and 110 L respectively per means of containment under the TDG Regulations. This means that highway tanks and other means of containment with a capacity of 450 l or more of these dangerous goods cannot be transported on board ferries that travel routes with lengths greater than 3 km if they are carrying more than 25 passengers. Some stakeholders indicated that this restriction has negative impacts on traffic and local businesses.

The TDG Regulations forbid the transport of UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. on vessels with more than 25 passengers. This has been identified as problematic by some stakeholders, as it inadvertently forbids the transport of oxygen-enriched air tanks required by underwater divers on board vessels and for medical purposes in ambulances on board vessels.

Background

The CSA 2001 replaced the old *Canada Shipping Act* on July 1, 2007, resulting in an updated and also streamlined version of the original Act, making it clearer and easier to understand. The TDG Regulations, however, had not been updated to reflect the new wording, as applicable, in the CSA 2001.

The TDG Regulations and the CFTR both provide exemptions from certain regulatory requirements for the transport of dangerous goods with respect to ferries that meet the definitions of short-run ferry in those regulations. The requirements of the TDG Regulations “that relate solely to the handling, offering for transport or transporting of dangerous goods by ship do not apply to dangerous goods in transport on a road vehicle or railway vehicle that is being transported on board a short-run ferry” (section 1.30 of the TDG Regulations). In practice, this has provided an exemption from obtaining and keeping a shipping document, the quantity limits listed in the passenger-carrying ship index (renamed the passenger carrying vessel index through this amendment), as well as certain placarding requirements for flammable gases. The passenger carrying vessel index lists the maximum quantity of dangerous goods that may be transported, per means of containment, on board a vessel carrying more than 25 passengers (or one passenger for each 3 m of the length of the vessel). The quantity limits in the passenger carrying vessel index are the same as those set out in the International Maritime Dangerous Goods (IMDG) Code, with the exception of the limits for a few dangerous goods, such as some heating fuels, medical equipment and explosives used in construction. The TDG Regulations specify increased limits for these dangerous goods that need to be transported domestically to remote locations by vessel, as other transportation options are limited.

The CFTR include requirements for the loading, unloading and carriage of cargo for marine transportation, as well as requirements regarding fumigation practices aboard vessels and methods for using cargo gear. These requirements provide an exemption for cargo transport units carried on short-run ferries. The CFTR exempt these cargo transport units from the requirements for packaged goods, including requirements related to packaging, packing, carriage of packaged goods, precautions respecting wheeled cargo transport units, reporting of an accident or incident, and loading or unloading of explosives or ammonium nitrate.

Prior to the coming-into-force of the CFTR in 2007, the definition “short-run ferry” in both the TDG Regulations and the *Dangerous Goods Shipping Regulations* referred to a maximum distance of 3 km. In 2007, the *Dangerous Goods Shipping Regulations* were replaced by the CFTR and the distance was increased to 5 km. The distance threshold was changed after several decisions by the Board of Steamship Inspection and allowed individual ferries to apply the 5 km maximum distance provision with no noted negative impacts. The TDG Regulations maintained the 3 km distance in the definition. This difference was raised as a concern by some stakeholders.

To comply with the TDG Regulations, some ferry operators that do not meet the conditions to use the short-run ferry exemption have offered designated dangerous goods runs, either at scheduled times throughout the week or when vehicles carrying dangerous goods arrive at the ferry terminal. However, some expressed concerns regarding negative impacts on local businesses and communities and longer wait times for passengers during peak seasons as a result of these designated runs. The dangerous goods of greatest concern for the ferry operators have been gasoline and propane transported in highway tanks. These dangerous goods are needed by local industries, communities and businesses for heating, cooking and vehicle fuel. Following an assessment conducted by Transport Canada to examine risks and determine potential mitigation measures for transporting gasoline and propane on board ferries with passengers, temporary certificates were issued to two ferry operators who had applied for exemptions. These certificates specify conditions that must be met in order to transport these dangerous goods on board ferries with more than 25 passengers.

A survey conducted by Transport Canada in 2015 found that 60 operators provide service on 258 routes across the country. There are 112 ferries with routes of 3 km or less (to which the exemption in the TDG Regulations currently applies) and 17 ferries with routes between 3 km and 5 km long.

Operators identified that the majority of the dangerous goods transported by ferry are either Class 2.1, Flammable Gases, or Class 3, Flammable Liquids. Based on the information available, it is understood that shipments of Class 2.1 and Class 3 dangerous goods primarily involve the transport of gasoline, diesel or propane in highway tanks. While gasoline and propane have limited quantity indexes of 100 L and 110 L respectively when transported on board a passenger carrying vessel, diesel has no quantity restriction for transport with passengers.

Objectives

This amendment has the following objectives:

- Update the marine provisions in the TDG Regulations to reflect terminology and definitions used in the current version of the CSA 2001 and in regulations that are made under the authority of the CSA 2001 and replace the expression “home-trade voyage, Class I” with wording that reflects the intent of the term;
- Update certain marine requirements to align with those in the CFTR and the 49 Code of Federal Regulations (CFR) and reduce duplication;
- Eliminate discrepancies between the definitions of short-run ferry in the TDG Regulations and in the CFTR and amend the exemption for short-run ferries in the TDG Regulations to provide clarity and specify which provisions do not apply;
- Allow the transport of gasoline and propane in highway tanks on passenger carrying ferries operating over the most direct water route between two points not more than 5 km apart under certain conditions;
- Allow the transport of UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. in quantities up to 25 L on passenger carrying vessels; and
- Correct several typographical and minor miscellaneous errors to improve the clarity of the TDG Regulations

Description

Updated terminology

Terminology and definitions related to the marine provisions of the TDG Regulations are updated to reflect the terminology and definitions used in the CSA 2001 and in regulations, such as the VCR and the CFTR, that are made under the CSA 2001. References to these terms are updated throughout the TDG Regulations to reflect the changes.

The term “ship” is replaced with “vessel” to align the terminology with that of the CSA 2001. “Vessel” is defined as having the same meaning as in section 2 of the CSA 2001.

The defined term “passenger carrying ship” is replaced with “passenger carrying vessel,” and the definition is aligned with the definitions for passenger carrying vehicles for the other transportation modes (i.e. “that is carrying one or more passengers”). Despite this change, the requirements of the TDG Regulations respecting the transport of dangerous goods other than explosives on board passenger carrying vessels continue to apply only to vessels carrying more than 25 passengers or more than one passenger for each 3 m of length of the vessel. The requirements respecting the transport of explosives on board passenger carrying vessels apply to passenger carrying vessels transporting more than 12 passengers. These requirements are found in a new section 1.10 in the TDG Regulations.

The definition of “passenger” is updated and has the same meaning as the definition of passenger in section 2 of the CSA 2001 instead of the definition in the repealed *Canada Shipping Act*.

The “passenger-carrying ship index” (column 8 of Schedule 1) is renamed “passenger carrying vessel index.”

The definition “short-run ferry” is repealed to remove discrepancies with the CFTR definition, and references to “short-run ferry” throughout the TDG Regulations are replaced with “passenger carrying vessel” in some cases and, in others, with “vessel that is operating over the most direct water route between two points not more than 5 km apart.”

“Home-trade voyage” is not in the CSA 2001, so this term and the reference to its definition in the repealed *Canada Shipping Act* are removed from the TDG Regulations and replaced with wording that reflects the intent of the previous version of the TDG Regulations.

The defined term “ro-ro ship” replaces “roll-on roll-off ship” in the English version to align with the term and definition used in the IMDG Code. The French term “navire roulier” remains unchanged. This term is used for a vessel which has one or more decks (either closed or open) that generally run the entire length of the vessel and are not usually subdivided in any way. It carries goods which are normally loaded and unloaded in a horizontal direction (i.e. by driving them on and off the vessel rather than loading them using a crane).

The defined term “inland voyage” is added to the definitions of the TDG Regulations and has the same meaning as in the CFTR.

Marine provisions

Marine Transport — IMDG Code (previously called “International Transport and Home-Trade Voyage, Class I, Transport”)

Requirements for international transport of dangerous goods by marine mode remain the same (i.e. compliance with the IMDG Code and specified provisions in Parts 3, 4, 5 and 8 of the TDG Regulations). The requirements continue to apply when dangerous goods are in transport between Canada and another country except if it is on an inland voyage (in which case requirements of the TDG Regulations apply). They also continue to apply to the transport of dangerous goods between two points outside Canada on board a vessel registered in Canada.

The previous TDG Regulations also required compliance with the IMDG code and the specified provisions in the TDG Regulations if the dangerous goods were transported between two points in Canada on a “home-trade voyage, Class I.” In this amendment, the reference to “home-trade voyage, Class I” is removed and replaced with a description of the geographical area that was previously covered by the term. This change does not alter the application of the requirements but provides clarity by specifying that the requirements apply if the vessel goes more than 120 nautical miles from shore or if it goes south of either the port of New York or Portland, Oregon.

Marine Transport — TDG Regulations (previously called “Domestic Transport”)

Requirements for domestic transport of dangerous goods by marine mode remain the same (i.e. compliance with the TDG Regulations) and continue to apply under the same circumstances as in the previous regulations but the text has been changed to provide clarity. Previously, the domestic transport requirements applied when dangerous goods were being transported “by ship between two points in Canada, other than on a home-trade voyage, Class I.” The regulations now specify that compliance with the requirements of the TDG Regulations is required if dangerous goods are transported between two points in Canada on a voyage during which the vessel is always within 120 nautical miles from shore and no further south than the port of New York or Portland, Oregon.

A provision is added to require compliance with the TDG Regulations when dangerous goods are transported by a vessel between Canada and another country on an inland voyage.

Notification of the loading or unloading of explosives or ammonium nitrate

Notifying the Marine Safety Office of Transport Canada and the harbour master is no longer required under the TDG Regulations prior to the loading or unloading of explosives or ammonium nitrate.

Ferry exemption (previously called “Marine: Short-run Ferry Exemption”)

The short-run ferry exemption (section 1.30 of the TDG Regulations) is renamed “Ferry exemption” and is amended to apply to ferries operating over the most direct water route between two points not more than 5 km apart. Prior to this amendment, the exemption applied to ferries with routes of less than or equal to 3 km. The ferry exemption also lists the specific provisions that do not apply instead of referring to the requirements “that relate solely to the handling, offering for transport or transporting of dangerous goods by ship.”

There were three provisions that were not applicable in respect of short-run ferries under the TDG Regulations that are listed in the ferry exemption. The following provisions continue not to apply:

1. Paragraph 3.6(3)(a), which requires the indication of a marine pollutant and the flash point on the shipping document;
2. Subsection 4.16(3), which requires the flammable gas placard be displayed on a road or railway vehicle containing a flammable gas if it is transported by vessel despite the provision that allows the DANGER placard to be used on a large means of containment containing two or more dangerous goods; and
3. Paragraph 4.16.1(2)(d), which requires that a flammable gas placard be displayed on a road or rail vehicle containing a flammable gas if it is transported by vessel even if the gross mass of the flammable gas is less than or equal to 500 kg.

Thus, the flash point and marine pollutant indication are not required on the shipping document. The DANGER placard is allowed to be displayed on a road or railway vehicle containing two or more dangerous goods even if one of those goods is a flammable gas. A road or rail vehicle does not have to display a placard for Class 2.1, Flammable Gases, if the gross mass of the flammable gas is less than or equal to 500 kg.

There are three provisions that did not apply to short-run ferries prior to this amendment but which now do. They are the following:

1. Section 1.6, which requires that the limits indicated in the passenger carrying vessel index under column 8 of Schedule 1 must be met if dangerous goods are transported on board a vessel that is carrying more than 25 passengers, or more than one passenger for each 3 m of the length of the vessel;
2. Section 3.9, which requires that the master of the vessel have a copy of the shipping document readily available on or near the bridge of the vessel; and
3. Paragraph 8.4(4)(d), which requires reporting of a release or anticipated release of dangerous goods to a Vessel Traffic Services Centre or a Canadian Coast Guard radio station.

Exemption for propane and gasoline in highway tanks on board passenger carrying vessels

A new exemption (section 1.30.1) is added that allows the transport of highway tanks carrying gasoline or propane on passenger carrying ferries (i.e. carrying more than 25 passengers) operating over the most direct water route between two points not more than 5 km apart if the following conditions are met:

- (a) no more than two tank trucks transporting dangerous goods that are UN1203, GASOLINE or UN1978, PROPANE are on board the passenger carrying vessel;
- (b) before the tank truck is placed on board the passenger carrying vessel, the highway tank is visually inspected by its driver for dents or evidence of leakage;
- (c) the tank truck is located on open deck;

- (d) a safety perimeter of at least one m is established around the tank truck while it is on board the passenger carrying vessel;
- (e) the tank truck's parking brakes are set securely throughout the journey until the passenger carrying vessel has completed docking;
- (f) the tank truck's engine is either left running at all times or is shut off and not restarted until the passenger carrying vessel has completed docking;
- (g) the tank truck's driver remains with the tank truck while it is on board the passenger carrying vessel;
- (h) notices prohibiting smoking, the use of an open flame and the use of spark-producing equipment on the passenger carrying vessel are placed in full view of passengers;
- (i) fixed extinguishing equipment, including foam cannon units that are capable of reaching the highway tank, is installed on board the passenger carrying vessel;
- (j) absorbent material that is compatible with flammable liquids is available on board the passenger carrying vessel;
- (k) a flammable gas detector is available on board the passenger carrying vessel; and
- (l) the passenger carrying vessel's master ensures that the tank truck is constantly monitored by a crew member while it is on board the passenger carrying vessel.

Other amendments

This amendment removes the requirement to indicate the flash point on a small means of containment for transport by vessel by repealing section 4.13.

This amendment amends the passenger carrying vessel index to include a new limit of 25 L for UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. Prior to this amendment it was forbidden for transport on a vessel carrying more than 25 passengers.

The reference to the *Dangerous Goods Shipping Regulations* is removed from the list of topics on which a person must be trained under the TDG Regulations.

This amendment also corrects several typographical and miscellaneous errors in the TDG Regulations. Changes include revision of Schedule 3 to correct the primary class for mercurous chloride and the removal of mercurous chloride from the list of exemptions in Miscellaneous Special Cases in Part 1 to reflect the recent change in the classification of this dangerous good in the IMDG Code.

Safety mark requirements for anhydrous ammonia contained in an intermediate bulk container (IBC) are removed from the TDG Regulations as this type of means of containment cannot be used to transport anhydrous ammonia.

Several references and chapter names from the International Civil Aviation Organization Technical Instructions (ICAO TIs) are updated in Part 12, Air, to reflect those in the most recent version of the ICAO TIs. The packing instructions for vehicles, engines and machinery are also updated to align with the packing instructions in the current ICAO TIs.

Some references in the requirements for large means of containment in Part 5, Means of Containment, are updated to reflect references in the most recent version of the National Standard of Canada CAN/CGSB-43.146, "Design, manufacture and use of intermediate bulk containers for the transportation of dangerous goods, classes 3, 4, 5, 6.1, 8 and 9."

The table with respect to types of packaging for infectious substances in Part 5, Means of Containment, is removed as those types of means of containment are no longer required under the TDG Regulations.

“One-for-One” Rule

The requirement to report a release or anticipated release of dangerous goods on board a ferry has been identified as administrative burden on industry. The new exemption for transporting gasoline and propane in highway tanks on ferries has been identified as reducing administrative burden on industry. Overall, this amendment yields a small reduction in net administrative burden costs (an “OUT”) and the “One-for-One” Rule therefore does not apply.

A cost-benefit analysis has been conducted to assess the impact of the amendment on stakeholders where a 10-year (2018–2027) time period and a 7% discount rate were used.

Changes to short-run ferry exemption — Release reporting

The new requirement to report to the Canadian Coast Guard or the Vessel Traffic Services Centre when there is a release or anticipated release of dangerous goods on board ferries that travel 3 km or less results in a slight increase in administrative cost to the person who has possession of the dangerous goods (carrier) at the time of the release. It is estimated that approximately four of these reports will be required each year as a result of a release or anticipated release of dangerous goods on board a ferry with a route of 3 km or less. Each report is estimated to take seven minutes. The present value of the estimated cost is \$98 with an estimated annualized value of \$14.

New exemption for propane and gasoline in highway tanks on board passenger carrying vessels — Temporary certificates

The addition of the exemption in section 1.30.1 will decrease administrative burden for the two operators of ferries with routes between 3 km and 5 km that hold temporary certificates at the time of publication of this amendment to transport gasoline and propane in highway tanks on board with passengers, as they will no longer be required to apply for them. Operators must reapply for a temporary certificate every two years, and it is estimated that an application requires approximately three hours to complete. The present value of the estimated cost is \$628 with an annualized value of \$89. This represents an “OUT,” as the burden of having to apply for these certificates will be removed under this amendment.

Therefore, the amendment results in administrative burden cost reductions of \$539 over a 10-year period, or \$75 per year. For the purposes of offsetting administrative burden costs under the *Red Tape Reduction Act*, annualized administrative burden costs are converted to 2012 dollars with a present value base year of 2012, and the amendment therefore results in an “OUT” of \$54.

Small business lens

This amendment does not fall within the area of applicability of the small business lens, as the total annualized costs on small businesses are under \$1 million. Overall, the regulations are expected to have a low impact on the industry, imposing a cost of \$247,771 annually.

Consultation

Proposed changes with respect to provisions for short-run ferries and differences between the TDG Regulations and the CFTR were presented to the TDG General Policy Advisory Council, composed of over 40 different industry associations, during a semi-annual meeting held in Fall 2015. A Web consultation on the proposed amendment was initiated on February 10, 2016, followed by an 18-day comment period. Eight submissions were received during the consultation period from various stakeholders including provincial governments and provincial ferry services, a company that ships dangerous goods, industry associations representing operators, shippers, carriers and manufacturers of dangerous goods, and provincial police.

Comments received showed support for the proposal. Specifically, support was expressed for updating terminology, reducing inconsistencies with the CFTR, revision of the ferry exemption, repealing the requirement to include the flash point for Class 3, Flammable Liquids, on small means of containment transported by vessel, and repealing the requirement to notify of the loading or unloading of explosives or ammonium nitrate from a vessel.

Following the consultations, Transport Canada made changes to the proposed amendment based on comments received. These changes included increasing the new limit proposed in the passenger carrying vessel index for UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. from 18 L to 25 L. Changes with respect to the conditions in the proposed new ferry exemption included reducing the distance that a highway tank must be parked from other road vehicles from 3 m to 1 m, removing the condition requiring the operator to ensure that the dangerous goods are in a means of containment that meets the requirements of the TDG Regulations prior to loading it on the ferry and removing the condition that the ferry operator determine whether a highway tank has been visually inspected by the driver.

The proposed amendment was published in the *Canada Gazette*, Part I, on April 1, 2017, followed by a 30-day public comment period. Eight submissions were received during the comment period from various stakeholders, including industry associations, provincial governments and a propane supplier. Comments received were taken into consideration in the development of this amendment.

Comments received showed support for many aspects of the proposal. Specifically, support was expressed for updating terminology such as “ship” and “home-trade voyage, Class I” to align with terminology used in the CSA 2001. Stakeholders were supportive of reducing inconsistencies between the TDG Regulations and the CFTR.

Comments received identified unintended impacts for some regulatees who transport dangerous goods by vessel as a result of the proposal to replace “home-trade voyage, Class I” and “other than on a home-trade voyage, Class I” with terms that are currently used under the CSA 2001. The proposed terminology changed the scope of the regulations and made the requirements more stringent. Since the voyage terms in the VCR do not cover the exact same geographical areas as those covered in the previous TDG Regulations, some regulatees who were required to comply with domestic requirements for marine transport under the previous TDG Regulations would have been required to comply with the more stringent international requirements (IMDG Code) under the proposal. In particular, this would have had a negative impact on transport between Nova Scotia and Newfoundland and between Quebec and Nunavut. It was not the intent of Transport Canada. There was no intention to change the scope of the geographical area to which these regulatory requirements apply. As a result, the terms “near coastal voyage, Class 1,” “near coastal voyage, Class 2,” “unlimited voyage” and “sheltered waters voyage” are not used. Instead, the term “home-trade voyage, Class I” has been replaced with text that describes the area that was covered in the previous version of the TDG Regulations.

Stakeholders supported the proposed amendment of the ferry exemption to clarify which provisions they would be exempt from. It was asked why the ferry exemption does not provide exemption from the requirement in 4.22(1) to display the marine pollutant mark. An exemption from this provision is not required in the ferry exemption as paragraph 4.22(2)(a) states that the requirement does not apply when marine pollutants are transported on board a road vehicle or railway vehicle on a ro-ro ship. Since the ferries to which the exemption applies would meet the definition of ro-ro ship, they are exempt and therefore no additional exemption is required.

One ferry owner stated that the revised distance in the ferry exemption will enable them to standardize operating procedures for their ferries and will benefit both operators and passengers. The ferry owner also expressed support for the new exemption for transporting highway tanks of gasoline and propane on ferries with passengers.

It was asked why the new exemption for transporting highway tanks of gasoline and propane does not address the transport of diesel on board a vessel with passengers. The amount of diesel that may be transported is not restricted on passenger carrying vessels (there is no limit for diesel in the passenger carrying vessel index) thus no exemption is needed to transport it. This is because diesel has a higher flash point (the minimum temperature to which it must be heated to produce enough vapour to allow a vapour flash to occur in the presence of an ignition source) which decreases the risks of ignition during transport.

It was suggested that the exemption also apply to the transport of UN1075, LIQUIFIED PETROLEUM GASES, in highway tanks on ferries since propane is sometimes transported under this UN number. The exemption does not apply to UN1075 as there are multiple dangerous goods (such as butane and propylene) that can be transported under that UN number and Transport Canada wants to limit the exemption to gasoline and propane. Gasoline and propane are the dangerous goods that stakeholders have identified as posing challenges for local traffic and businesses when transported in highway tanks on ferries. As the exemption decreases safety, Transport Canada is limiting it to the transport of the two dangerous goods for which temporary certificates have been issued. Propane transported as UN1075 may be transported under the new exemption because the special case 1.32.1 allows the use of UN1075 for UN1978, PROPANE.

One stakeholder suggested that a safety perimeter of 1.5 m around a highway tank containing gasoline or propane on a ferry carrying passengers would provide an acceptable margin of safety. Transport Canada has kept the distance at 1 m as was proposed in the *Canada Gazette*, Part I, as this aligns with the perimeter requirement in the CFTR.

A propane supplier recommended that a condition be added to the exemption to ensure that the tank truck is located in a well-ventilated area where gases cannot accumulate in the passenger carrying vessel. In response, Transport Canada has added the condition that the tank car must be located on the ferry deck.

One ferry owner indicated that they would not use the exemption for propane and gasoline in highway tanks on passenger carrying vessels as they do not currently meet the condition regarding fixed extinguishing equipment and do not intend to invest in it.

Support was expressed for the proposal to allow UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. in quantities up to 25 L on board a passenger carrying vessel.

Stakeholders supported harmonizing with the IMDG Code and the 49 CFR by removing the requirement to include the flashpoint on a small means of containment when it is transported by vessel.

Stakeholders requested clarification regarding certain definitions and aspects of the revised ferry exemption and the new exemption for transporting propane and gasoline in highway tanks on board passenger carrying vessels. Clarification and further explanation will be included in awareness material developed by Transport Canada.

Rationale

Updated terminology

Updating the marine terminology used in the TDG Regulations, including replacement of the term “home-trade voyage, Class I” in Part 11, maintains the current intent of the TDG Regulations while providing clarity. Where appropriate, harmonization of terms and their definitions in the TDG Regulations with those found in other Canadian legislation and regulations will reduce confusion and increase efficiency for consignors, carriers and vessel operators, thereby decreasing burden on industry.

Addition of the provision under the domestic transport requirements for dangerous goods transported on an inland voyage clarifies the intent of the previous TDG Regulations. The previous version of the TDG Regulations required that international requirements be met when dangerous goods are in transport between Canada and another country, if the voyage is not an inland voyage. The intent was that domestic requirements would apply when dangerous goods are in transport on an inland voyage, however, the TDG Regulations did not specifically state this. The added provision provides this clarity.

Notification of the loading or unloading of explosives or ammonium nitrate

The requirement to notify the harbour master and the Marine Safety Office of Transport Canada of the loading or unloading of explosives or ammonium nitrate from a vessel is removed from the TDG Regulations, as the CFTR also requires it. Having the requirement in only one regulation eliminates duplication and confusion for regulatees.

Ferry exemption (previously called “Marine: Short-run Ferry Exemption”)

Revision of the short-run ferry exemption (section 1.30) in the TDG Regulations to provide an exemption for ferries travelling distances of not more than 5 km eliminates the discrepancy between the distances for ferries that are exempt in the TDG Regulations (previously not more than 3 km) and in the CFTR (not more than 5 km) and addresses concerns raised by some stakeholders. Listing all of the provisions that do not apply to a regulatee provides clarity. This clarity will benefit consignors and carriers who transport dangerous goods on board these ferries and will have a positive impact on compliance rates, as regulatees will have a better understanding of the regulatory requirements.

Ferry operators are no longer exempt from having a copy of the shipping document on the ferry. This information must be readily available to the master of the vessel in case of an emergency and will increase safety on board the vessel. It is required in the United States 49 CFR.

The exemption from the requirement to report a release or anticipated release of dangerous goods to a Vessel Traffic Services Centre or a Canadian Coast Guard radio station under Part 8 of the TDG Regulations was an unintentional result of the wording in the short-run ferry exemption and is removed under this amendment. Immediate reporting to these entities is needed to provide officials with information to allow them to assess the severity of an incident and to assist first responders during their intervention. The information collected is also needed to conduct risk analysis to help maintain public safety.

Under this amendment, ferries with routes of 3 km or less are no longer exempt from the limits in the passenger carrying vessel index. Communications with ferry operators and results of the survey conducted by Transport Canada indicate that consignors and carriers who transport dangerous goods on ferries do not generally have difficulties meeting the quantity limits; the exceptions being the limits for gasoline and propane. Prior to this amendment, short-run ferries that were using the exemption were doing so primarily to transport gasoline and propane in highway tanks. They were transporting most other dangerous goods in quantities less than or equal to those prescribed in the index; thus removal of the exemption from the passenger carrying vessel index should have only a minor effect on consignors and carriers. Although most ferries that were exempt from certain requirements under the short-run ferry exemption didn't transport dangerous goods other than gasoline and propane in quantities above the passenger carrying vessel index limits, this amendment will ensure that those limits are not exceeded in the future, which will provide increased safety for Canadians.

New exemption for propane and gasoline in highway tanks on board passenger carrying vessels

The new exemption for highway tanks carrying gasoline and propane on board ferries addresses concerns raised by some stakeholders regarding negative impacts on local businesses and wait times for passengers due to designated dangerous goods runs. This new exemption will improve access to propane and gasoline, as their delivery is no longer restricted to dangerous goods runs. Ease of access to these fuels will provide improved quality of life for residents who rely on them. Some ferries with routes between 3 km and 5 km long transport dangerous goods several times per week according to a set schedule. Carriers that previously had to transport gasoline or propane according to these designated dangerous goods run schedules will benefit from the flexibility afforded by not having to plan deliveries around them. The amendment is expected to have a positive impact on wait times for ferry passengers that currently use ferries with routes that cover distances between 3 km and 5 km and that have designated dangerous goods runs.

By amending the TDG Regulations to allow gasoline and propane to be transported in highway tanks on passenger carrying ferries that travel distances of up to 5 km affects the level of safety for ferries that travel distances between 3 km and 5 km, as this was not allowed so prior to this amendment. While there are few reports of past accidents involving dangerous goods on board ferries, there are potential risks related to the transport of these large volumes of flammable dangerous goods on ferries with passengers. Ferries present a special set of circumstances, as accessibility by emergency responders is limited and evacuation is not a viable option in most cases. In many situations, an emergency response vessel may not be immediately available in the area where the ferry is operating and may need to be transported to a launch site before it can set out towards the ferry. The amendment aims to limit the safety risks by setting out criteria that must be met in order to use this new exemption, to ensure precautions are taken and measures are in place to respond to an emergency.

The introduction of these conditions will increase safety for passengers travelling on ferries with routes up to 3 km that used the short-run ferry exemption prior to this amendment to transport highway tanks of gasoline and propane on board with passengers, as there were no conditions to be met in order to obtain an exemption in the previous version of the TDG Regulations.

The exemption includes the condition that a highway tank containing gasoline or propane be visually inspected for evidence of leaks or other signs of damage prior to being loaded on a ferry, since the most probable scenarios for incidents involving these dangerous goods on ferries are the result of leaking or spilling. Minimizing the chance of a leak from a highway tank on board a ferry will improve safety.

Several conditions are imposed to decrease the risk of ignition during transport should there be a leak of gasoline or propane from a means of containment. One condition of the exemption is that the tank truck be located on deck where gases cannot accumulate in case of a leak. Another condition is that a safety perimeter of at least 1 m be established around the tank truck. This is similar to a condition for using the short-run ferry exemption in the CFTR. The safety perimeter would reduce the chance of contact between passengers and the tank and will also reduce the risk of potential damage to a highway tank while being transported on the ferry. The engine of the highway tank must not be restarted for the duration of the ferry voyage if it is shut off after boarding, since sparks could ignite gasoline or propane if there is a leak. This condition is similar to a requirement in the 49 CFR, but, whereas the 49 CFR requires motor and vehicle lights to be shut off for the duration of the voyage, Transport Canada is allowing them to run to keep heaters working during cold weather or air conditioning during hot weather as long as they are not restarted, since it is ignition that poses the greater risk. Another condition to decrease the risk of ignition is the placement of notices prohibiting smoking, use of an open flame or use of spark-producing equipment where they are visible to passengers. This condition is similar to requirements in the CFTR and in the 49 CFR which prohibit smoking and the use of spark-producing equipment. A flammable gas detector is also required on board the ferry for early detection of leaks. A gas detector could be used to confirm the presence of a leak if one is suspected.

As evacuation is not a viable option in most cases when there is an incident on a ferry and emergency responders are not easily able to reach the site, emergency equipment on board the ferry is necessary so that vessel operators can react quickly should an emergency arise. In order to use the exemption, extinguishing equipment, including foam cannon units capable of providing coverage for the highway tank and absorbing material, must be installed on board the vessel.

Other conditions are included to ensure that the vehicle remains stationary and monitored during transport. The condition that the parking brakes of the tank truck be set securely aligns with requirements in the CFTR and the 49 CFR. The condition that the driver of the tank truck remain with the vehicle while it is on the vessel is also a requirement of the 49 CFR regarding the transport of vehicles containing hazardous materials on board ferry vessels. The requirement for the vessel's master to ensure that the tank truck is constantly monitored by a crew member while it is on board is a requirement in the CFTR when service vehicles carrying propane are transported on vessels. The IMDG Code also requires regular inspections of storage spaces of dangerous goods throughout the voyage.

The addition of this new exemption will decrease the burden for operators of ferries with routes between 3 km and 5 km in distance that might want to transport gasoline and propane in highway tanks on board with passengers, as they are no longer required to apply for temporary certificates in order to request approval to do so. There are currently two operators that have these temporary certificates.

Other amendments

Removal of the requirement to indicate the flash point on a small means of containment for transport by vessel aligns the TDG Regulations with the IMDG Code and 49 CFR, which do not require it.

The amendment to the passenger carrying vessel index to allow UN3156, COMPRESSED GAS, OXIDIZING, N.O.S. to be transported on passenger carrying vessels in quantities of up to 25 L enables oxygen-enriched air tanks to be carried on board by underwater divers and oxygen-enriched air tanks required for medical purposes to be transported in ambulances on board vessels.

Costs

Ferry exemption (previously called “Marine: Short-run Ferry Exemption”)

A slight cost increase is expected for the few consignors and operators of ferries that travel up to 3 km that currently transport dangerous goods other than gasoline and propane under the exemption in section 1.30, as they are no longer able to use the exemption. They will have to transport those dangerous goods in quantities that meet the limits in the passenger carrying vessel index, on designated dangerous goods runs, or find an alternate way to ship the goods. This cost is expected to be minimal, as ferry operators have indicated that very few currently use the exemption to transport dangerous goods other than gasoline and propane.

Release reporting

There will be a slight increase in administrative costs to a person who has possession of dangerous goods (carrier) at the time of a release or anticipated release of dangerous goods on board a ferry that travels up to 3 km, as they are no longer exempt from reporting to the Canadian Coast Guard or the Vessel Traffic Services Centre.

Conditions of exemption for propane and gasoline in highway tanks on board passenger carrying vessels

There will be costs to ferry operators associated with the implementation of some of the conditions for transporting gasoline and propane in highway tanks on passenger carrying ferries. Results of the survey conducted by Transport Canada indicate that many ferry operators, including those with routes under 3 km that met the conditions to use the short-run ferry exemption prior to this amendment, choose to have designated dangerous goods runs. There will be no additional costs for ferry operators if they continue to have designated runs and not use the new exemption for propane and gasoline in highway tanks. The conditions of the exemption only have to be met if they choose to use the exemption. It is expected that operators of ferries with routes less than or equal to 3 km that currently have designated dangerous goods runs will continue to do so and will not choose to use the new exemption set out in section 1.30.1 thus they are not considered to have increased costs.

If the ferry operators choose to use the exemption, they will be required to have extinguishing equipment, including foam cannons, on board. Some ferry operators have indicated that they already have emergency equipment in place on board when transporting dangerous goods thus the costs for them to meet the conditions necessary to use the exemption will be low. Many ferries already have firefighting equipment but do not have the foam cannons that are required under the exemption. The cost of retrofitting the existing firefighting equipment to include foam cannons on ferries is approximately \$5,000. Ferries that do not have firefighting equipment on board will have to install a new system, which would cost approximately \$100,000. The annual maintenance cost of the firefighting equipment is approximately \$5,000. Training of crew members with respect to the use of firefighting equipment costs about \$8,000.

Another condition of the exemption is that a flammable gas detector must be available on board the ferry. A flammable gas detector costs approximately \$100 and associated operator training is estimated to be approximately \$2,900.

Of the 112 ferries that met the conditions of the short-run ferry exemption under section 1.30 of the TDG Regulations prior to this amendment (ferries with routes less than or equal to 3 km), 71 confirmed that they did not transport dangerous goods on board with passengers. It is assumed that they will continue this practice. The other 41 ferries with routes of 3 km or less either indicated that they did carry dangerous goods with passengers or they did not provide the information to Transport Canada. Based on available data, 20 of those 41 ferries are too small to carry both a tank truck and vehicles containing more than 25 passengers. Thus it is estimated that there are 21 ferries that might choose to use the new exemption to transport gasoline or propane

in highway tanks on board with passengers. This number is used to estimate the costs of this proposal; however, it is most likely high, as it is expected that many ferry operators will choose to have designated runs instead of meeting the conditions necessary to use the exemption, as was indicated in comments submitted by one stakeholder. It is assumed that most have some form of firefighting equipment on board and would need to retrofit it with foam cannons, while a few would need to install a complete firefighting system.

Of the 17 ferries with routes between 3 km and 5 km, there are 13 that provide the only means of access to the islands that they service. It is assumed that all 13 of these ferries might opt to use the exemption. Two of those ferries are already operating under temporary certificates and have the required equipment in place, so there will be no installation costs for them. Based on the data available to Transport Canada, it is assumed that the other 11 ferries already have firefighting equipment but may require a retrofit to include foam cannons.

The estimated annualized cost of meeting the conditions is \$247,685, however, the number of ferries used to estimate this cost is most likely high since, as mentioned above, it is expected that many ferry operators will consider having designated dangerous goods runs preferable to using the exemption.

Temporary certificates

The addition of the exemption for propane and gasoline in highway tanks will decrease administrative burden for operators of ferries with routes between 3 km and 5 km that want to transport these dangerous goods on board with passengers, as they are no longer required to apply for temporary certificates in order to request approval to do so.

Implementation, enforcement and service standards

Proper implementation of regulatory amendments is a key aspect of the regulatory life cycle. Once regulatory amendments become law, the TDG Directorate develops new training and awareness material for inspectors and stakeholders. New regulatory requirements are disseminated using a communication network that is already well established. Some of the main tools used to implement regulatory changes are:

- The Transport Canada website: The Department's web pages are updated on a regular basis with various communication products as well as specific sections for awareness material (e.g. Frequently Asked Questions, Alerts, Advisory Notices and Bulletins). Upon adoption of this amendment, notices will be placed on the relevant pages of the Transport Canada website.
- The TDG General Policy Advisory Council: This group of industry associations meets twice annually to discuss issues affecting stakeholders and advise the Minister. During these meetings, Transport Canada consults with stakeholders and provides them with information and updates on regulatory amendments that are proposed or that have come into force. Industry is aware of this amendment to the TDG Regulations.
- The Multi-Association Committee on TDG: This committee provides a forum for industries to discuss questions of interest on the subject of the transport of dangerous goods. Transport Canada is invited to participate and provide clarification on regulatory and enforcement issues. This forum is also a good opportunity for the distribution of information about compliance with new regulatory requirements.

Compliance with the *Transportation of Dangerous Goods Act* and the TDG Regulations is verified through inspections. These inspections are carried out at both the federal level and the provincial level and involve all modes of transport and all consignors of dangerous goods. The implementation objective is to update and enhance inspector training tools to ensure that oversight is undertaken by properly trained staff. This amendment is anticipated to have a minor impact on TDG inspectors. Information will be provided to them to keep them updated and aware of the new requirements.