

Part 1 Rule requirements

Section 1 Application

1.1 Title

1.1(1) This Rule is *Land Transport Rule: Dangerous Goods Amendment [2009]*.

1.1(2) This Rule amends *Land Transport Rule: Dangerous Goods 2005*.

1.2 Date when Rule comes into force

This Rule comes into force on [date].

Section 2 Amendment of Rule requirements

2.1 NZ Standard 5433:2007

The Rule is amended by substituting the words “*New Zealand Standard 5433:2007*” for the words “*New Zealand Standard 5433:1999*” in:

- (a) 1.4(2)(a);
- (b) 3.2(1)(a)(i);
- (c) 3.2(5)(a)(i);
- (d) 4.2(2)(a);
- (e) 6.4(1)(a);
- (f) 6.4(4)(a);
- (g) 6.4(5)(b)(i);
- (h) the definitions of ‘class’, ‘dangerous goods in limited quantities (DGLQ or LTD QTY)’, ‘proper shipping name’, ‘special provisions’ and ‘UN number’;
- (i) the note to the definition of ‘hazchem action code’;
- (j) the last row of *Table A*.

2.2 Clause 1.5 Interpretation of Rule provisions

- 2.2(1) *Subclause 1.5(2)* is amended by substituting “N.O.S.” for “NOS”.
- 2.2(2) *Paragraph 1.5(2)(b)* is amended by inserting the words “until 31 December 2010” before the words “may be marked”.

2.3 Clause 2.2 Dangerous goods transported for hire or reward

- 2.3(1) *Clause 2.2* is amended by inserting the following paragraph and note:

“(ca) the requirements for dangerous goods in excepted quantities or excepted packages of radioactive material in 2.9; or

[Note: See definitions of ‘dangerous goods in excepted quantities’ and ‘excepted packages of radioactive material’ in *Part 2 Definitions*.]”

- 2.3(2) *Subparagraph 2.2(d)(i)* is amended by substituting “2.2(ca)” for “2.2(c)”.

2.4 Clause 2.3 Dangerous Goods in Limited Quantities and Consumer Commodities

- 2.4(1) *Subclause 2.3(1)* is amended by:

(a) deleting the words “, excluding items listed in *Schedule 2A*” in *subparagraph (a)(i)*; and

(b) substituting the following for *paragraphs (f)* and *(g)*:

“(f) except as provided in 2.3(5)(a), Dangerous Goods in Limited Quantities must be:

“(i) marked in accordance with 4.1, with the UN number of all the dangerous goods in the package, in characters at least 6 mm high, placed within a diamond with a line width of at least 2 mm; or

“(ii) labelled with class labels and marked with the UN number and proper shipping name in accordance with *section 4* (as if the Dangerous Goods in Limited Quantities were standard packages of dangerous goods); and

“(g) except as provided in 2.3(5)(b), Consumer Commodities must be:

“(i) marked in accordance with 4.1, with the UN number of all the dangerous goods in the package, in characters at least 6 mm high, placed within a diamond with a line width of at least 2 mm; or

“(ii) labelled with class labels and marked with the UN number and proper shipping name in accordance with *section 4* (as if the Consumer Commodities were standard packages of dangerous goods); and”.

2.4(2) *Clause 2.3* is amended by substituting the following for *subclause 2.3(3)*:

“2.3(3) Dangerous goods listed in *Schedule 2* must not be transported as Dangerous Goods in Limited Quantities or Consumer Commodities if:

“(a) ‘0’ is specified for the maximum quantity per inner packaging for dangerous goods listed according to class or division, and packing group if applicable, unless a quantity is specified for particular dangerous goods of that class or division, and packing group if applicable, in *Schedule 2* or one of the documents in *2.3(1)(a)*; or

“(b) ‘0’ is specified for the maximum quantity per inner packaging for the particular dangerous goods.”

2.4(3) *Clause 2.3* is amended by inserting the following subclause:

“2.3(5) Despite *2.3(1)(f)* and *(g)*, until 31 December 2010:

“(a) Dangerous Goods in Limited Quantities may be marked or labelled, in accordance with *4.1*, with one of the following:

“(i) the UN Number and proper shipping name of all the dangerous goods in the package; or

“(ii) the class and division, including subsidiary risks, of all the dangerous goods in the package and the words ‘Dangerous Goods in Limited Quantities’, the abbreviation ‘DGLQ’ or ‘LTD QTY’ or similar words or abbreviations, to clearly identify the package as containing Dangerous Goods in Limited Quantities;

“(b) Consumer Commodities may be marked or labelled, in accordance with *4.1*, with one of the following:

“(i) the UN Number and proper shipping name of all the dangerous goods in the package; or

“(ii) the class and division, including subsidiary risks, of all the dangerous goods in the package and the words ‘Consumer Commodities’ or the abbreviation ‘Con Coms’, or similar words or abbreviations, to clearly identify the package as containing Consumer Commodities; or

“(iii) the common or technical name of all the dangerous goods in the package and the words ‘Consumer

Commodities’ or the abbreviation ‘Con Coms’, or similar words or abbreviations, to clearly identify the package as containing Consumer Commodities.”

2.5 **Clause 2.4 Small Packages of dangerous goods**

Subclause 2.4(1) is amended by substituting the following paragraph for *paragraph (b)*:

“(b) the packaging must comply with 3.1 and 3.2(1)(b);”.

2.6 **Clause 2.9 Excepted quantities and excepted packages**

Section 2 is amended by inserting the following clause:

“2.9 **Dangerous goods in excepted quantities and excepted packages of radioactive material**

“2.9(1) Dangerous goods in excepted quantities, other than articles, that comply with the following conditions may be transported without complying with any other requirements of this Rule:

“(a) the maximum quantity of dangerous goods in an inner packaging and in an outer packaging must not exceed the quantity specified in:

“(i) *Schedule 4*; or

[“(ii) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*; or]

“(iii) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or

“(iv) *International Maritime Dangerous Goods Code*; or

“(v) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation; or

“(vi) *Dangerous Goods Regulations* of the International Air Transport Association; and

“(b) the dangerous goods must be packed in three layers of packaging as follows:

“(i) leak-proof inner packagings made from plastic (which must have a minimum thickness of 0.2 mm when used for liquids), glass, porcelain, stoneware, earthenware or metal; and

- “(ii) intermediate packagings that protect the inner packagings so that they cannot break under normal conditions of transport and that contain the contents of the inner packagings in the case of breakage and for liquid dangerous goods, can absorb the entire contents of the inner packagings; and
- “(iii) strong outer packagings;
- “(c) packaging must comply with 3.1 and with:
 - “(i) the requirements of the relevant regulatory authority; or
 - “(ii) the tests, for packaging for dangerous goods in excepted quantities, specified in *Schedule 4*; or
 - “(iii) the tests, for packaging for dangerous goods in excepted quantities, in one of the documents in 2.9(1)(a); and
- “(d) packages must be marked, in accordance with 4.1, with:
 - “(i) the excepted quantities mark as specified in *Schedule 4* or one of the documents in 2.9(1)(a); and
 - “(ii) the class or division of all the dangerous goods in the package; and
 - “(iii) the name of the consignor or consignee; and
- “(e) if dangerous goods in excepted quantities are transported with a document such as a consignment note or packing slip, the document must include:
 - “(i) the words “Dangerous Goods in Excepted Quantities” or similar words; and
 - “(ii) the number of packages; and
- “(f) inner packages of dangerous goods that have to be segregated under 6.3 from other dangerous goods or food items must not be contained in the same outer packaging; and
- “(g) the number of packages of dangerous goods in excepted quantities on a vehicle or in a freight container must not exceed 1000; and
- “(h) the relevant requirements in *section 8* and *clause 9.1*, and the responsibilities in *section 10*, must be complied with.

- “2.9(2) Excepted packages of radioactive material that comply with the following conditions may be transported without complying with any other requirements of this Rule:
- “(a) excepted packages that meet the criteria for any other class of dangerous goods must comply with the requirements for that other class; and
 - “(b) packaging must comply with 3.1 and the requirements of the relevant regulatory authority; and
 - “(c) Class 7 labels must not be visible on UN 2908, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – EMPTY PACKAGING; and
 - “(d) excepted packages must be marked, in accordance with 4.1, with:
 - “(i) the appropriate UN Number; and
 - “(ii) the name of the consignor or consignee; and
 - “(iii) if the gross mass of the package exceeds 50 kg, with the permissible gross mass of the package; and
 - “(e) excepted packages must be transported with a document that includes the UN number of all excepted packages in the consignment; and
 - “(f) the relevant requirements in *section 8* and *9.1* and responsibilities in *section 10* must be complied with.

[Note: Excepted packages of radioactive material are empty packagings that have contained radioactive material, packages that contain radioactive material in limited quantities and radioactive material in instruments or manufactured articles, classified under UN numbers UN 2908, UN 2909, UN 2910 and UN 2911.]”

2.7 **Clause 3.2 Requirements relating to the nature and quantity of goods**

- 2.7(1) *Subclause 3.2(1)* is amended by substituting the words “, 3.2(5), 3.2(6) or 3.2(7)” for the words “or 3.2(5)”.
- 2.7(2) *Subclause 3.2(2)* is amended by substituting the words “, Consumer Commodities and Small Packages” for the words “and Consumer Commodities”.
- 2.7(3) *Subclause 3.2(3)* is amended by substituting the following for *paragraph (a)*:
 “(a) dangerous goods of Class or Division 1, 2, 4.1, 5.2 and 7; and”.
- 2.7(4) *Clause 3.2* is amended by inserting the following subclauses:
 “3.2(6) Packaging for dangerous goods in excepted quantities must comply with 3.1 and:

- “(a) the requirements of the relevant regulatory authority; or
- “(b) the tests for packages of dangerous goods in excepted quantities specified in *Schedule 4* or one of the documents in *2.9(1)(a)*.

“3.2(7) Packaging for excepted packages of radioactive material must comply with *3.1* and the requirements of the relevant regulatory authority.

“3.2(8) Dangerous goods in packagings, IBCs or large packagings, except for dangerous goods that comply with *3.2(5)(c)*, must either:

“(a) be packaged in accordance with the packing instructions in one of the following:

“[(i) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*];

“(ii) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*;

“(iii) *International Maritime Dangerous Goods Code*;

“(iv) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation;

“(v) *Dangerous Goods Regulations* of the International Air Transport Association; or

“(b) comply with the requirements of the relevant regulatory authority.”

2.8 **Clause 3.3 Dangerous goods transported for domestic or recreational purposes**

Subclause 3.3(1) is amended by substituting the following for *paragraph (a)*:

“(a) if the quantity of dangerous goods of a single class or division, or the aggregate quantity of a mixed load, is within the limit in *Schedule 1*, comply with *3.1* and the requirements of the relevant regulatory authority;”.

2.9 **Clause 4.1 Labelling and marking: general safety requirements**

Clause 4.1 is amended by substituting:

(a) the following subclause for *subclause 4.1(7)*:

“4.1(7) Except as specified in 2.7, labels and markings that may be misleading as to the hazard the goods present must be removed or completely covered before the goods are transported.”

(b) the following subclause for *subclause 4.1(9)*:

“4.1(9) If all of the packages within a unit load device are labelled and marked in accordance with this Rule, but those labels and markings are not legible when the unit load is prepared for transport, markings need not be displayed on the outside of the unit load but the following must be displayed on the outside of the unit load:

“(a) the labels for each class and division (including subsidiary risks) for all the dangerous goods in the unit load; and

“(b) from 1 January 2011, the following special marks where appropriate:

“(i) the environmentally hazardous substance mark;

“(ii) orientation arrows.”

2.10 **Clause 4.2 Labelling according to the nature and quantity of goods**

Subclause 4.2(4) is amended by substituting:

(a) the following paragraph for *paragraph (c)*:

“(c) routine diagnostic specimens and low risk biological products that are marked in accordance with 4.3(5)(b) or 4.3(5)(c); or”

(b) the following paragraph for *paragraph (e)*:

“(e) dangerous goods in excepted quantities or excepted packages of radioactive material.”

2.11 **Clause 4.3 Marking according to the nature and quantity of goods**

2.11(1) *Subclause 4.3(1)* is amended by substituting the words “, 4.3(5), 4.3(7) or 4.3(8)” for the words “or 4.3(5)”.

2.11(2) *Subclause 4.3(5)* is amended:

(a) by deleting the word “either”; and

(b) by inserting the following paragraph:

“; or

“(c) be marked:

“(i) in accordance with 4.1; and

“(ii) with the UN number (UN 3373) within a diamond-shaped border that is at least 50 mm measured along any side; and

“(iii) with the proper shipping name (BIOLOGICAL SUBSTANCE, CATEGORY B).”

2.11(3) *Subclause 4.3(6)* is amended by inserting:

(a) the words “freight containers,” before the words “portable tanks”; and

(b) the words “and 7.2(12)” after the words “7.2(5)”.

2.11(4) *Clause 4.3* is amended by inserting the following subclauses:

“4.3(7) Dangerous goods in excepted quantities must be identified as specified in 2.9(1)(d).

“4.3(8) Excepted packages of radioactive material must be identified as specified in 2.9(2)(d).

“4.3(9) Subject to 4.1(8) and except as specified in 4.3(10), a package or an Intermediate Bulk Container containing dangerous goods of Class 9 that are toxic to the aquatic environment (UN 3077 or UN 3082) must be marked with the environmentally hazardous substance mark from 1 January 2011.

“4.3(10) The following packagings do not have to be marked with the environmentally hazardous substance mark:

“(a) sole packagings that contain no more than 5 litres (liquids) or 5 kg (solids);

“(b) outer packaging with inner packagings that contain no more than 5 litres (liquids) or 5 kg (solids) per inner packaging.

“4.3(11) Subject to 4.1(8) and except as provided in 4.3(12), the following must be marked with orientation arrows from 1 January 2011:

“(a) outer packaging that contains inner packages of liquid dangerous goods;

“(b) sole packagings fitted with vents;

“(c) cryogenic receptacles for transporting refrigerated, liquefied gases.

“4.3(12) The following do not need to be marked with orientation arrows:

- “(a) pressure receptacles, other than cryogenic receptacles;
 - “(b) dangerous goods in inner packagings of not more than 120 ml that are prepared with sufficient absorbent material between the inner and outer packagings to completely absorb the liquid contents;
 - “(c) Division 6.2 infectious substances in primary receptacles of not more than 50 ml;
 - “(d) Class 7 radioactive material in Type IP-2, IP-3, A, B(U), B(M) or C packages;
 - “(e) articles that are leak-tight in all orientations (eg, alcohol or mercury in thermometers, aerosols).
- “4.3(13) The design, colour, size and durability of special marks must comply with the specifications in any of the following:
- “(a) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*; or
 - “(b) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or
 - “(c) *International Maritime Dangerous Goods Code*; or
 - “(d) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation; or
 - “(e) *Dangerous Goods Regulations* of the International Air Transport Association.

[Note: See definition of ‘special mark’.]”

2.12 **Clause 4.4 Marking or labelling dangerous goods transported for domestic or recreational purposes or for use as tools-of-trade**

Paragraph 4.4(1)(a)(i) is amended by inserting the words “, special marks if applicable,” after the words “proper shipping name”.

2.13 **Clause 5.2 Types of documentation**

2.13(1) *Subclause 5.2(2)* is amended by substituting the following for *paragraph (b)*:

- “(b) except as provided under 5.2(4), information about the quantity of dangerous goods being transported, as follows:
 - “(i) for gases in gas cylinders, the number of cylinders; and
 - “(ii) for dangerous goods other than gases in gas cylinders, the number and type of packages or containers; and

“(iii) the total quantity of dangerous goods, measured by volume or mass, that is covered by the description; and”

2.13(2) *Paragraph 5.2(2)(d)* is amended by deleting the words “after 31 December 2005,”.

2.14 **Clause 5.3 Documents not required**

Subclause 5.3(1) is amended by inserting the following paragraph:

“; or

“(e) as dangerous goods in excepted quantities or excepted packages of radioactive material in accordance with 2.9.”.

2.15 **Clause 6.2 Segregation according to the nature, quantity and use of goods**

Clause 6.2 is amended by inserting the following paragraph:

“; and

“(e) dangerous goods in excepted quantities and excepted packages of radioactive material that comply with 2.9, and that are contained in separate outer packaging, may be transported without segregation from other dangerous goods or from food items.”.

2.16 **Clause 6.3 Segregation by class or division**

Subclause 6.3(1) is amended by substituting the following paragraph for *paragraph 6.3(1)(d)*:

“(d) dangerous goods of the classes and divisions listed in *Column A* may be loaded in the same freight container or on the same vehicle as dangerous goods or food items listed in the same row in *Column D* as follows:

“(i) the dangerous goods or food items must be loaded so that all but one class or division of incompatible dangerous goods or food items is packed in separate segregation devices, unless 6.3(1)(c)(i) or (ii) applies; and

“(ii) segregation devices must comply with 6.4(1), 6.4(4) or 6.4(5), as appropriate for the class or division; and

“(iii) 6.4(3) must be complied with.”

2.17 **Clause 6.4 Use of segregation devices**

Subclause 6.4(3) is amended by substituting the following paragraph for *paragraph (a)*:

- “(a) dangerous goods of packing group I must not be loaded in the same freight container or on the same vehicle with incompatible dangerous goods or food items regardless of whether or not a segregation device is used, unless 6.3(1)(c)(i) or (ii) applies; and”.

2.18 **Clause 6.5 Additional requirements for large quantities of Class 3 dangerous goods**

Section 6 is amended by substituting the following for *clause 6.5*:

“6.5 **Additional requirement for large quantities of Division 2.1 or Class 3 dangerous goods**

“6.5(1) Except as specified in 6.2(b), 6.2(e) and 6.5(2), dangerous goods of:

- “(a) Division 2.1 in undivided quantities of more than 3000 litres must not be transported:
- “(i) on the same road vehicle or vehicle combination as dangerous goods of Division 2.3 or dangerous goods of a different class; and
 - “(ii) by rail, unless separated horizontally by at least 12 m and on a different rail vehicle from dangerous goods of Class or Division 1, 2.3, 3, 4, 5 or 7;
- “(b) Class 3 in undivided quantities of more than 3000 litres must not be transported:
- “(i) on the same road vehicle or vehicle combination as dangerous goods of a different class; and
 - “(ii) by rail, unless separated horizontally by at least 12 m and on a different rail vehicle from dangerous goods of Class or Division 1, 2.1, 2.3, 4.2, 4.3, 5 or 7.

“6.5(2) Despite 6.5(1)(b), dangerous goods of Class 3 in undivided quantities of more than 3000 litres may be transported on the same vehicle or vehicle combination as diesel classified as UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.”

2.19 Clause 7.1 Placarding: general safety requirements

Paragraph 7.1(4)(b) is amended by inserting the words “or 7.2(8)(b)” after the words “7.1(4)(c)”.

2.20 Clause 7.2 Placarding according to the nature and quantity of goods

Subclause 7.2 is amended by:

(a) substituting the following paragraph for *paragraph 7.2(2)(d)*:

“(d) Class 7, except for excepted packages of radioactive material transported in accordance with 2.9(2).”

(b) substituting the following subclause for *subclause 7.2(8)*:

“7.2(8) A bitumen tankwagon or spray-wagon that carries:

“(a) dangerous goods that are UN 3256, Hot Cutback Bitumen, Class 3 and UN 3257, Hot Bitumen, Class 9:

“(i) need only display placards and other information specified in 7.2(5)(a), (b) and (c) for UN 3256, Hot Cutback Bitumen, Class 3; and

“(ii) does not have to comply with 7.2(5)(d);

“(b) bitumen emulsions:

“(i) may remove or cover placards and other information specified in 7.2(5)(a), (b) and (c); and

“(ii) if placards and other information is removed or covered in accordance with 7.2(8)(b)(i), must display a sign that states “BITUMEN EMULSIONS contain spillage” or similar words, and complies with 7.1(3)(b).”

(c) inserting the following subclauses:

“7.2(11) A tankwagon that carries UN 1011 BUTANE, UN 1075 LIQUEFIED PETROLEUM GASES or UN 1978 PROPANE need only display placards and other information specified in 7.2(5) for UN 1075 LIQUEFIED PETROLEUM GASES.

“7.2(12) Tankwagons, other vehicles designed for bulk quantities of dangerous goods, freight containers, portable tanks and containers for bulk quantities of dangerous goods, other than Intermediate Bulk Containers, containing dangerous goods of Class 9 that are toxic to the aquatic environment (UN 3077 or UN 3082) must be marked with the environmentally hazardous substance mark as follows:

- “(a) for a tankwagon or other vehicle designed for bulk quantities of dangerous goods, the marks must be displayed on the rear and on both sides;
- “(b) for freight containers, portable tanks and containers for bulk quantities of dangerous goods, other than Intermediate Bulk Containers, the marks must be displayed on two opposite sides or at the front and rear;
- “(c) the environmentally hazardous substance marks must comply with the general safety requirements for placards in 7.1.”

2.21 **Clause 7.3 Placement of placards**

Paragraph 7.3(1)(c) is amended by substituting the following subparagraph for *subparagraph (ii)*:

- “(ii) the appropriate class placards, emergency information panels, the proper shipping name or another name that clearly identifies the nature of the hazard, and the no smoking warning as specified in 7.2(5), at the rear and on both sides.”

2.22 **Clause 8.4 Certain vehicles to stop at railway level crossings**

Clause 8.4 is amended by substituting the following subclause for *subclause 8.4(2)*:

- “8.4(2) *Subclause 8.4(1)* does not apply if:
 - “(a) the approach to a level crossing is controlled by:
 - “(i) traffic signals; or
 - “(ii) a warning device in the form of barrier arms; or
 - “(iii) a police officer; or
 - “(iv) a railway-crossing keeper; or
 - “(b) the road controlling authority has installed an ‘Exempt’ sign in advance of the level crossing in accordance with the

Traffic Regulations 1976 or clause 9.5 of Land Transport Rule: Traffic Control Devices 2004.

2.23 **Clause 9.2 Driver training**

Clause 9.2 is amended by inserting the following subclause:

“9.2(6) Despite 9.2(1), a person who does not hold a current dangerous goods endorsement on their driver licence, may drive a vehicle or vehicle combination that is transporting dangerous goods if:

- “(a) the driver has an appropriate driver licence for the class of vehicle or vehicle combination they are driving; and
- “(b) the driver’s responsibilities for transporting dangerous goods are supervised by a person in the vehicle who holds a current dangerous goods endorsement on their driver licence.”

2.24 **Clause 10.1 Responsibilities for general safety requirements**

Paragraph 10.1(3)(a) is amended by substituting the words “, low risk biological products and dangerous goods in excepted quantities and excepted packages of radioactive material” for the words “and low risk biological products”.

2.25 **Clause 10.4 Responsibilities of the driver of a road vehicle**

Clause 10.4 is amended by inserting the following paragraph:

“(da) if 9.2(6) applies, the driver must ensure that the supervisor holds a current dangerous goods endorsement on their driver licence.”

2.26 **Clause 10.7 Responsibilities of the supervisor**

Section 10 is amended by inserting the following clause:

“10.7 **Responsibilities of the supervisor**

“Any person who supervises, or purports to supervise, a driver under 9.2(6) must:

- “(a) hold a current dangerous goods endorsement; and
- “(b) must ensure the driver complies with the responsibilities in 10.4.”

Section 3 Amendment to Part 2, Definitions

3.1 Insertion of definitions

Part 2 is amended by inserting the following definitions in the appropriate place:

“**Dangerous goods in excepted quantities** means dangerous goods packaged so that the maximum quantity in individual inner packaging complies with the limits specified for excepted quantities according to the class and division and packing group, or as specified for a particular entry in the list of dangerous goods in any of the following:

- (a) *Schedule 4*; or
- [(b) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*; or]
- (c) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or
- (d) *International Maritime Dangerous Goods Code*; or
- (e) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation; or
- (f) *Dangerous Goods Regulations* of the International Air Transport Association.”

“**Environmentally hazardous substance mark** means the ‘environmentally hazardous substance mark’ or the ‘marine pollutant mark’ specified in any of the following:

- (a) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*; or
- (b) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or
- (c) *International Maritime Dangerous Goods Code*; or
- [(d) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation; or]
- (e) *Dangerous Goods Regulations* of the International Air Transport Association.”

“**Excepted packages of radioactive material** means dangerous goods of Class 7 that are ‘excepted packages’ as specified:

- (a) in the *Regulations for Safe Transport of Radioactive Material* of the International Atomic Energy Agency; or

- (b) in the *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or
- (c) by the relevant regulatory authority.”

“**Orientation arrows** means two side-by-side arrows pointing upwards to indicate the correct orientation of a container, as specified in any of the following:

- (a) *New Zealand Standard 5433:2007, Transport of Dangerous Goods on Land*; or
- (b) *United Nations Recommendations on the Transport of Dangerous Goods – Model Regulations*; or
- (c) *International Maritime Dangerous Goods Code*; or
- (d) *Technical Instructions for Safe Transport of Dangerous Goods by Air* of the International Civil Aviation Organisation; or
- (e) *Dangerous Goods Regulations* of the International Air Transport Association.”

“**Special mark** means any of the following marks or symbols on packaging, containers, vehicles, portable tanks or freight containers:

- (a) the environmentally hazardous substance mark; or
- (b) orientation arrows.”

3.2 Replacement of definitions

Part 2 is amended by substituting:

- (a) the following definition for the definition of ‘cultures’:

“**Cultures** means infectious substances that are the result of a process by which pathogens are intentionally propagated to generate high concentrations; but does not include diagnostic specimens.”

- (b) the following definition for the definition of ‘diagnostic specimen’:

“**Diagnostic specimen** means any human or animal material that is an infectious substance and is collected directly from humans or animals, including but not limited to excreta, secretions, blood and its components, tissue and tissue fluid swabs, and body parts being transported for purposes of research, diagnosis, investigation or disease treatment or prevention; but excluding cultures and live infected animals.”

3.3 Amendment of definitions

- 3.3(1) The definition of ‘Dangerous Goods in Limited Quantities’ is amended in *paragraph (a)* by deleting the words “, excluding items listed in *Schedule 2A*”.
- 3.3(2) The definition of ‘emergency services personnel’ is amended by substituting “*NZS 8156:2008 Ambulance and Paramedical Services*” for “*NZS 8156:2002 Ambulance Sector Standard*”.
- 3.3(3) The definition of ‘proper shipping name’ is amended, in *paragraph (b)*:
- (a) by substituting “N.O.S.” for “NOS”; and
 - (b) by substituting “61, 274 or 318” for “61 or 274”.

3.4 Amendment of Table A

Table A is amended:

- (a) in the rows relating to “Class 3 Flammable liquids”, by substituting “60°C” for “60.5°C” wherever it occurs;
- (b) in the rows relating to “Class 4” substances:
 - (i) by deleting the words “and related” in *paragraph 4.1(b)*;
 - (ii) by inserting in the last paragraph the words “, except self-reactive substances in Division 4.1,” after the words “Dangerous goods of all divisions of Class 4”;
 - (iii) by inserting the following paragraph after the last paragraph:

“Self-reactive substances are classified into seven types according to the degree of danger they present and the quantity per package. The types of self-reactive substances range from Type A, which is too dangerous for transport, to Type G, which is not subject to the requirements of this Rule for transport of dangerous goods in Division 4.1.”;
- (c) in the rows relating to “Class 5” substances, by inserting the following paragraph as the last paragraph:

“Organic peroxides are classified into seven types according to the degree of danger they present and the quantity per package. The types of organic peroxide range from Type A, which is too dangerous for transport, to Type G, which is not subject to the requirements of this Rule for transport of dangerous goods in Division 5.2.”;
- (d) in *subparagraph (a)* of the row relating to “Class 9” substances, by substituting the words “includes diesel from 1 January 2011, and other” for the word “include”;

- (e) by amending the endnote relating to the heading “Brief description” by substituting the words “Subject to classification by the relevant regulatory authority, detailed” for the word “Detailed”.

Section 4 Amendment to Part 3, Schedules

4.1 Schedule 1

The table in *Schedule 1* is amended by:

- (a) substituting the words “100 litres” for the words “100 litres water capacity” in the row relating to 2.2, UN 1977, NITROGEN REFRIGERATED LIQUID; and
- (b) substituting the following rows for the rows relating to Class 4.3 substances:

“4.3	Dangerous when wet (except UN 1397, ALUMINIUM PHOSPHIDE and UN 2011, MAGNESIUM PHOSPHIDE)	I	No quantity permitted
	UN 1397, ALUMINIUM PHOSPHIDE; UN 2011, MAGNESIUM PHOSPHIDE	I	5 kg
	Dangerous when wet (Packaged as Dangerous Goods in Limited Quantities or Consumer Commodities only)	II or III	50 kg”

- (c) substituting the following for the rows relating to Class 9 dangerous goods:

“9	Miscellaneous dangerous substances and articles (except those listed below)	I	5 kg (solids, powders, etc); or 5 litres (liquids)
		II	50 kg (solids, powders, etc); or 50 litres (liquids)
		III	250 kg (solids, powders, etc); or 250 litres (liquids)
	Substances, other than diesel, that are toxic to the aquatic environment (UN 3077 or UN 3082)	III	500 kg (solids, powders, etc); or 500 litres (liquids)
	Diesel † classified as UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	III	2000 litres”

- (d) substituting the following for the rows relating to “Mixed loads”:

“Mixed loads	<p>The maximum quantity for a mixed load is an aggregate amount of 500, using the following units: kilograms (solids, powders, etc including the weight of the packaging), litres (liquids), litres water capacity (gases).</p> <p>The quantity of Class 9 diesel, or Class 9 substances that are toxic to the aquatic environment, is in addition to the maximum quantity for a mixed load.</p> <p>The maximum quantity for a mixed load is exceeded if the quantity for any class or division in the load exceeds the limit specified for that class or division.”</p>
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- (e) substituting the following for the endnote relating to the column heading “Maximum quantity”:

<p>“* The maximum quantity is determined by the actual quantity of dangerous goods carried, measured in:</p> <ul style="list-style-type: none"> • kilograms (including the weight of the packaging) for solids, powders, etc; • litres for liquids; • litres water capacity of the cylinder or container for gases, except for cryogenic liquids (such as UN 1977, NITROGEN, REFRIGERATED LIQUID) where the actual quantity can easily be measured with a dip-stick or similar measuring device.”
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- (f) inserting the following row as the last row of *Schedule 1*:

<p>“† Diesel is not subject to transport controls before 1 January 2011.”</p>

4.2 Schedule 2

Part 3 is amended by substituting the Schedule, set out in *Schedule 1* to this Rule, for *Schedule 2*.

4.3 Schedule 2A

Schedule 2A is revoked.

4.4 Schedule 4

Part 3 is amended by inserting the Schedule set out in *Schedule 2* to this Rule.

Part 2 Schedules

Schedule 1 Substitution of a new Schedule 2

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
Dangerous goods of all classes in Packing Group I, unless a quantity is specified for the particular dangerous goods in this Schedule	I	-	0
1	-	-	0
2 - with a flammable, corrosive, oxidizing or toxic risk, unless a quantity is specified for the particular dangerous goods in this schedule	-	-	0
2 - UN 1950, AEROSOLS (containing toxic substances) or UN 2037, GAS CARTRIDGES (containing toxic substances)	-	gas	120 ml water capacity
2.1 - UN 1057, LIGHTERS or LIGHTER REFILLS containing flammable gas	-	gas	10 g per lighter; or 65 g per lighter refill
2.1, 2.2 - UN 1950, AEROSOLS or UN 2037, GAS CARTRIDGES	-	gas	1 litre water capacity
2.1 – UN 3478, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	-	gas	120 ml water capacity
2.1 – UN 3479, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride	-	gas	120 ml water capacity
2.2 - Excluding gases that have an oxidizing risk and gases for which '0' is specified for the maximum quantity per inner packaging in this schedule	-	gas	500 ml water capacity
2.2 - UN 2857, REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	-	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this schedule	II	liquid	1 litre
3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this schedule	III	liquid	5 litres
3 - UN 1133, ADHESIVES containing flammable liquid	I	liquid	500 ml
	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1139, COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	I	liquid	500 ml
	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1162, DIMETHYLDICHLOROSILANE	II	-	0
3 - UN 1169, EXTRACTS, AROMATIC, LIQUID	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1196, ETHYLTRICHLOROSILANE	II	-	0
3 - UN 1197, EXTRACTS, FLAVOURING, LIQUID	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1210, PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	I	liquid	500 ml
	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1250, METHYLTRICHLOROSILANE	II	-	0
3 - UN 1263, PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler, and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	I	liquid	500 ml
	II	liquid	5 litres
	III	liquid	5 litres
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)”

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
3 - UN 1266, PERFUMERY PRODUCTS with flammable solvents	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1267, PETROLEUM CRUDE OIL	I	liquid	500 ml
	II	liquid	1 litre
	III	liquid	5 litres
3 - UN 1268, PETROLEUM DISTILATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S.	I	liquid	500 ml
	II	liquid	1 litre
	III	liquid	5 litres
3 - UN 1286, ROSIN OIL	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1287, RUBBER SOLUTION	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1298, TRIMETHYLCHLOROSILANE	II	-	0
3 - UN 1305, VINYLTRICHLOROSILANE	II	-	0
3 - UN 1306, WOOD PRESERVATIVES, LIQUID	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1863, FUEL, AVIATION, TURBINE ENGINE	I	liquid	500 ml
	II	liquid	1 litre
	III	liquid	5 litres
3 - UN 1866, RESIN SOLUTION, flammable	I	liquid	500 ml
	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 1999, TARS, LIQUID, including road asphalt and oils, bitumen, and cut backs	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 2985, CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	II	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
3 - UN 3064, NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	II	-	0
3 - UN 3065, ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	II	liquid	5 litres *
3 - UN 3065, ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	III	liquid	5 litres Δ
3 - UN 3256, ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60°C, at or above its flash point	III	-	0
3 - UN 3269, POLYESTER RESIN KIT	II	liquid	5 litres
	III	liquid	5 litres
3 - UN 3295, HYDROCARBONS, LIQUID, N.O.S.	I	liquid	500 ml
	II	liquid	1 litre
	III	liquid	5 litres
3 - UN 3343, NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	-	-	0
3 - UN 3357, NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	II	-	0
3 - UN 3473, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing flammable liquids	-	liquid	1 litre
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
* Not subject to controls for transport of dangerous goods on land when packed in containers of 5 litres or less, but controls may apply for transport by air or sea.			
Δ Not subject to controls for transport of dangerous goods on land or by sea when packed in containers of 250 litres or less, but controls may apply for transport by air.			

“Schedule 2 **Dangerous Goods in Limited Quantities and Consumer Commodities**
(continued)”

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
4.1 - self-reactive substances or desensitized explosives, unless a quantity is specified for the particular dangerous goods in this schedule	-	-	0
4.1 - Excluding self-reactive substances, desensitized explosives and dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	solid	1 kg
4.1 - Excluding self-reactive substances, desensitized explosives and dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	5 kg
4.1 - UN 1327, HAY, STRAW or BHUSA	-	Solid	3 kg
4.1 - UN 2304, NAPHTHALENE, MOLTEN	III	-	0
4.1 - UN 2448, SULPHUR, MOLTEN	III	-	0
4.1 - UN 3176, FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	II or III	-	0
4.1 - UN 3221, SELF-REACTIVE LIQUID TYPE B	-	liquid	25 ml
4.1 - UN 3222, SELF-REACTIVE SOLID TYPE B	-	solid	100 g
4.1 - UN 3223, SELF-REACTIVE LIQUID TYPE C	-	liquid	25 ml
4.1 - UN 3224, SELF-REACTIVE SOLID TYPE C	-	solid	100 g
4.1 - UN 3225, SELF-REACTIVE LIQUID TYPE D	-	liquid	125 ml
4.1 - UN 3226, SELF-REACTIVE SOLID TYPE D	-	solid	500 g
4.1 - UN 3227, SELF-REACTIVE LIQUID TYPE E	-	liquid	125 ml
4.1 - UN 3228, SELF-REACTIVE SOLID TYPE E	-	solid	500 g
4.1 - UN 3229, SELF-REACTIVE LIQUID TYPE F	-	liquid	125 ml
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
4.1 - UN 3230, SELF-REACTIVE SOLID TYPE F	-	solid	500 g
4.1 – UN 3360, FIBRES, VEGETABLE, DRY §	-	-	0
4.2 - unless a quantity is specified for the particular dangerous goods in this Schedule	-	-	0
4.2 - UN 3400, ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	II	solid	500 g
	III	solid	1 kg
4.3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	liquid	500 ml
4.3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	solid	500 g
4.3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	liquid	1 litre
4.3 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	1 kg
4.3 - UN 1418, MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	II or III	-	0
4.3 - UN 1436, ZINC POWDER or ZINC DUST	II or III	-	0
4.3 - UN 3135, WATER REACTIVE SOLID, SELF-HEATING, N.O.S.	II or III	-	0
4.3 - UN 3209, METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	II or III	-	0
4.3 - UN 3292, BATTERIES, CONTAINING SODIUM, or CELLS, CONTAINING SODIUM	II	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
4.3 - UN 3476, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances	-	liquid or solid	500 ml or 500 g
5.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	liquid	1 litre
5.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	solid	1 kg
5.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	liquid	5 litres
5.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	5 kg
5.1 - UN 2426, AMMONIUM NITRATE, LIQUID (hot concentrated solution)	-	-	0
5.1 - UN 3100, OXIDIZING SOLID, SELF-HEATING, N.O.S.	II	-	0
5.1 - UN 3356, OXYGEN GENERATOR, CHEMICAL	II	-	0
5.1 - UN 3375, AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	II	-	0
5.2 - unless a quantity is specified for the particular dangerous goods in this Schedule	-	-	0
5.2 - UN 3101, ORGANIC PEROXIDE TYPE B, LIQUID (not requiring temperature control)	-	liquid	25 ml
5.2 - UN 3102, ORGANIC PEROXIDE TYPE B, SOLID (not requiring temperature control)	-	solid	100 g
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
5.2 - UN 3103, ORGANIC PEROXIDE TYPE C, LIQUID (not requiring temperature control)	-	liquid	25 ml
5.2 - UN 3104, ORGANIC PEROXIDE TYPE C, SOLID (not requiring temperature control)	-	solid	100 g
5.2 - UN 3105, ORGANIC PEROXIDE TYPE D, LIQUID (not requiring temperature control)	-	liquid	125 ml
5.2 - UN 3106, ORGANIC PEROXIDE TYPE D, SOLID (not requiring temperature control)	-	solid	500 g
5.2 - UN 3107, ORGANIC PEROXIDE TYPE E, LIQUID (not requiring temperature control)	-	liquid	125 ml
5.2 - UN 3108, ORGANIC PEROXIDE TYPE E, SOLID (not requiring temperature control)	-	solid	500 g
5.2 - UN 3109, ORGANIC PEROXIDE TYPE F, LIQUID (not requiring temperature control)	-	liquid	125 ml
5.2 - UN 3110, ORGANIC PEROXIDE TYPE F, SOLID (not requiring temperature control)	-	solid	500 g
6.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	liquid	100 ml
6.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	solid	500 g
6.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	liquid	5 litres
6.1 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	5 kg
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
6.1 - UN 1569, BROMOACETONE	II	-	0
6.1 - UN 1600, DINITROTOLUENES, MOLTEN	II	-	0
6.1 - UN 1693, TEAR GAS SUBSTANCE, LIQUID, N.O.S.	II	-	0
6.1 - UN 1697, CHLOROACETOPHENONE, SOLID	II	-	0
6.1 - UN 1700, TEAR GAS CANDLES	II	-	0
6.1 - UN 1701, XYLYL BROMIDE, LIQUID	II	-	0
6.1 - UN 1737, BENZYL BROMIDE	II	-	0
6.1 - UN 1738, BENZYL CHLORIDE	II	-	0
6.1 - UN 2016, AMMUNITION, TOXIC NON-EXPLOSIVE without burster or expelling charge, non-fuzed	II	-	0
6.1 - UN 2017, AMMUNITION, TEAR PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	II	-	0
6.1 - UN 2312, PHENOL, MOLTEN	II	-	0
6.1 - UN 3124, TOXIC SOLID, SELF-HEATING, N.O.S.	II	-	0
6.1 - UN 3250, CHLOROACETIC ACID, MOLTEN	II	-	0
6.1 - UN 3361, CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	II	-	0
6.1 - UN 3362, CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	II	-	0
6.1 - UN 3416, CHLOROACETOPHENONE, LIQUID	II	-	0
6.1 - UN 3417, XYLYL BROMIDE, SOLID	II	-	0
6.1 - UN 3448, TEAR GAS SUBSTANCE, SOLID, N.O.S.	II	-	0
6.2	-	-	0
7	-	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)”

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
8 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	liquid	1 litre ‡
8 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	II	solid	1 kg
8 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	liquid	5 litres
8 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	5 kg
8 - UN 1724, ALLYLTRICHLOROSILANE, STABILIZED	II	-	0
8 - UN 1728, AMYLTRICHLOROSILANE	II	-	0
8 - UN 1747, BUTYLTRICHLOROSILANE	II	-	0
8 - UN 1753, CHLOROPHENYLTRI- CHLOROSILANE	II	-	0
8 - UN 1762, CYCLOHEXENYLTRI- CHLOROSILANE	II	-	0
8 - UN 1763, CYCLOHEXYLTRICHLOROSILANE	II	-	0
8 - UN 1766, DICHLOROPHENYLTRI- CHLOROSILANE	II	-	0
8 - UN 1767, DIETHYLDICHLOROSILANE	II	-	0
8 - UN 1769, DIPHENYLDICHLOROSILANE	II	-	0
8 - UN 1771, DODECYLTRICHLOROSILANE	II	-	0
8 - UN 1781, HEXADECYLTRICHLOROSILANE	II	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
‡ Glass, porcelain or stoneware inner packaging must be enclosed in a compatible and rigid intermediate packaging.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)”

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
8 - UN 1784, HEXYLTRICHLOROSILANE	II	-	0
8 - UN 1799, NONYLTRICHLOROSILANE	II	-	0
8 - UN 1800, OCTADECYLTRICHLOROSILANE	II	-	0
8 - UN 1801, OCTYLTRICHLOROSILANE	II	-	0
8 - UN 1804, PHENYLTRICHLOROSILANE	II	-	0
8 - UN 1810, PHOSPHORUS OXYCHLORIDE	II	-	0
8 - UN 1816, PROPYLTRICHLOROSILANE	II	-	0
8 - UN 1818, SILICON TETRACHLORIDE	II		0
8 - UN 1838, TITANIUM TETRACHLORIDE	II	-	0
8 - UN 2028, BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	II	-	0
8 - UN 2215, MALEIC ANHYDRIDE, MOLTEN	III	-	0
8 - UN 2434, DIBENZYL DICHLOROSILANE	II	-	0
8 - UN 2435, ETHYLPHENYL DICHLOROSILANE	II	-	0
8 - UN 2437, METHYLPHENYL DICHLOROSILANE	II	-	0
8 - UN 2442, TRICHLOROACETYL CHLORIDE	II	-	0
8 - UN 2576, PHOSPHORUS OXYBROMIDE, MOLTEN	II	-	0
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
8 - UN 2794, BATTERIES, WET, FILLED WITH ACID, electric storage	-	-	1 litre (measured by the volume of the battery case)
8 - UN 2795, BATTERIES, WET, FILLED WITH ALKALI, electric storage	-	-	1 litre (measured by the volume of the battery case)
8 - UN 2800, BATTERIES, WET, NON-SPILLABLE, electric storage	-	-	1 litre (measured by the volume of the battery case)
8 - UN 2826, ETHYL CHLOROTHIOFORMATE	II	-	0
8 - UN 2986, CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	II	-	0
8 - UN 2987, CHLOROSILANES, CORROSIVE N.O.S.	II	-	0
8 - UN 3028, BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	-	-	2 kg
8 - UN 3301, CORROSIVE LIQUID, SELF-HEATING, N.O.S.	II	-	0
8 - UN 3477, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	-	liquid or solid	1 litre or 1 kg
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
9 - unless a quantity is specified for the particular dangerous goods in this Schedule	II		0
9 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	liquid	5 litres
9 - Excluding dangerous goods for which '0' is specified for the maximum quantity per inner packaging in this Schedule	III	solid	5 kg
9 - UN 1845, CARBON DIOXIDE, SOLID (DRY ICE)	III	-	0
9 - UN 2212, BLUE ASBESTOS (crocidolite) or BROWN ASBESTOS (amosite, mysorite)	II	solid	1 kg
9 - UN 2216, FISH MEAL (FISH SCRAP), STABILIZED §	III	-	0
9 - UN 2315, POLYCHLORINATED BIPHENYLS, LIQUID	II	liquid	1 litre
9 - UN 2590, WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)	III	-	0
9 - UN 2807, MAGNETIZED MATERIAL †	III	-	0
9 - UN 2969, CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE	II	solid	5 kg
9 - UN 2990, LIFE-SAVING APPLIANCES, SELF-INFLATING	-	-	0
9 - UN 3072, LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	-	-	0
9 - UN 3151, POLYHALOGENATED BIPHENYLS, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID	II	liquid	1 litre
9 - UN 3152, POLYHALOGENATED BIPHENYLS, SOLID or POLYHALOGENATED TERPHENYLS, SOLID	II	solid	1 kg
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			

“Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities
(continued)

Class or division or product	Packing group	Physical state	Maximum quantity per inner packaging
9 - 3166, ENGINE, INTERNAL COMBUSTION or VEHICLE, FLAMMABLE GAS POWERED or VEHICLE, FLAMMABLE LIQUID POWERED †	-	-	0
9 - UN 3171, BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT †	-	-	0
9 - UN 3245, GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	-	-	0
9 - UN 3257, ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100°C and below its flash point (including molten metals, molten salts, etc.)	III	-	0
9 - UN 3258, ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240°C	III	-	0
9 - UN 3268, AIRBAG INFLATORS or AIRBAG MODULES or SEAT-BELT PRETENSIONERS	III	-	0
9 - UN 3316, CHEMICAL KIT or FIRST AID KIT	-	-	0
9 - UN 3334, AVIATION REGULATED LIQUID, N.O.S. †	-	-	0
9 - UN 3335, AVIATION REGULATED SOLID, N.O.S. †	-	-	0
9 - UN 3359, FUMIGATED UNIT	-	-	0
9 - UN 3363, DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	-	-	0
9 - UN 3432, POLYCHLORINATED BIPHENYLS, SOLID	II	solid	1 kg
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.”			

Schedule 2 Insertion of Schedule 4

“Schedule 4 Dangerous goods in excepted quantities

PART A QUANTITY LIMITS FOR DANGEROUS GOODS IN EXCEPTED QUANTITIES

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
1	-	0	0
2.1	-	0	0
2.2 - with a subsidiary risk	-	0	0
2.2 - without a subsidiary risk, except UN Nos. 1044, 1950, 2037, 2857, 3164	-	30	1000
2.2 – UN 1044, FIRE EXTINGUISHERS with compressed or liquefied gas	-	0	0
2 – UN 1950, AEROSOLS	-	0	0
2 – UN 2037, GAS CARTRIDGES without a release device, non-refillable	-	0	0
2.2 – UN 2857, REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	-	0	0
2.2 – UN 3164, ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC (containing non-flammable gas)	-	0	0
2.3	-	0	0

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
3 - with a subsidiary risk	I	0	0
3 - without a subsidiary risk, except UN Nos. 2059, 3379	I	30	300
3 - except UN Nos. 1204, 2059, 3064, 3269, 3357	II	30	500
3 - except UN Nos. 2059, 3256, 3269	III	30	1000
3 – UN 1204, NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	II	0	0
3 – UN 2059, NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	I, II or III	0	0
3 – UN 3064, NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	II	0	0
3 – UN 3256, ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60°C, at or above its flash point	III	0	0
3 – UN 3269, POLYESTER RESIN KIT	II or III	0	0
3 – UN 3343, NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	I, II or III	0	0
3 – UN 3357, NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	II	0	0

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
3 – UN 3379, DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	I	0	0
3 – UN 3473, FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing flammable liquids	-	0	0
4.1	I	0	0
4.1 - except UN Nos. 2555, 2556, 2557, 2907, 3176, 3319, 3344	II	30	500
4.1 - except UN Nos. 2304, 2448, 3176	III	30	1000
4.1 – UN 1327, HAY, STRAW or BHUSA	-	0	0
4.1 – UN 2304, NAPHTHALENE, MOLTEN	III	0	0
4.1 – UN 2448, SULPHUR, MOLTEN	III	0	0
4.1 – UN 2555, NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	II	0	0
4.1 – UN 2556, NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	II	0	0
4.1 – UN 2557, NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	II	0	0
4.1 – UN 2907, ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	II	0	0
4.1 – UN 3176, FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	II or III	0	0

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
4.1 – UN 3221 – UN 3240, Self-reactive substances	-	0	0
4.1 – UN 3319, NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	II	0	0
4.1 – UN 3344, PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	II	0	0
4.1 – UN 3360, FIBRES, VEGETABLE, DRY §	-	0	0
4.2	I	0	0
4.2	II	30	500
4.2	III	30	1000
4.2 – UN 1856, RAGS, OILY §	-	0	0
4.3	I	0	0
4.3 - except UN 3292	II	30	500
4.3	III	30	1000
4.3 – UN 3292, BATTERIES, CONTAINING SODIUM, or CELLS, CONTAINING SODIUM	II	0	0
5.1	I	0	0
5.1	II	30	500
5.1	III	30	1000

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
5.1 – UN 2426, AMMONIUM NITRATE, LIQUID (hot concentrated solution)	-	0	0
5.2	-	0	0
6.1	I	1	300
6.1 - except UN Nos. 1600, 1700, 2016, 2017, 2312, 3250	II	1	500
6.1	III	30	1000
6.1 – UN 1600, DINITROTOLUENES, MOLTEN	II	0	0
6.1 – UN 1700, TEAR GAS CANDLES	II	0	0
6.1 – UN 2016, AMMUNITION, TOXIC, NONEXPLOSIVE without burster or expelling charge, non-fuzed	II	0	0
6.1 – UN 2017, AMMUNITION, TEARPRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	II	0	0
6.1 – UN 2312, PHENOL, MOLTEN	II	0	0
6.1 – UN 3250, CHLOROACETIC ACID, MOLTEN	II	0	0
6.2	-	0	0
7	-	0	0
8	I	0	0
8 - except UN Nos. 2028, 2576	II	30	500
8 - except UN Nos. 2215 (MOLTEN), 2803, 2809	III	30	1000

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
8 – UN 2028, BOMBS, SMOKE, NONEXPLOSIVE with corrosive liquid, without initiating device	II	0	0
8 – UN 2215, MALEIC ANHYDRIDE, MOLTEN	III	0	0
8 – UN 2576, PHOSPHORUS OXYBROMIDE, MOLTEN	II	0	0
8 – UN 2794, BATTERIES, WET, FILLED WITH ACID, electric storage	-	0	0
8 – UN 2795, BATTERIES, WET, FILLED WITH ALKALI, electric storage	-	0	0
8 – UN 2800, BATTERIES, WET, NONSPILLABLE, electric storage	-	0	0
8 – UN 2803, GALLIUM	III	0	0
8 – UN 2809, Mercury	III	0	0
8 – UN 3028, BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	-	0	0
9 - except UN Nos. 3090, 3091, 3480, 3481	II	30	500
9 - except UN Nos. 1845, 2807, 3257, 3258, 3268	III	30	1000
9 – UN 1845, CARBON DIOXIDE, SOLID (DRY ICE)	III	0	0
9 – UN 2807, MAGNETIZED MATERIAL †	III	0	0
9 – UN 2990, LIFE-SAVING APPLIANCES, SELF-INFLATING	-	0	0
9 – UN 3072, LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	-	0	0

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.			
§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.			
† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.			
9 – UN 3090, LITHIUM METAL BATTERIES (including lithium alloy batteries)	II	0	0
9 – UN 3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	II	0	0
9 – UN 3166, ENGINE, INTERNAL COMBUSTION or VEHICLE, FLAMMABLE GAS POWERED or VEHICLE, FLAMMABLE LIQUID POWERED †	-	0	0
9 – UN 3171, BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT †	-	0	0
9 – UN 3245, GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	-	0	0
9 – UN 3257, ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash point (including molten metals, molten salts, etc.)	III	0	0
9 – UN 3258, ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	III	0	0
9 – UN 3268, AIR BAG INFLATORS, or AIR BAG MODULES, or SEATBELT PRETENSIONERS	III	0	0
9 – UN 3316, CHEMICAL KIT or FIRST AID KIT	-	0	0
9 – UN 3334, AVIATION REGULATED LIQUID, N.O.S. †	-	0	0
9 – UN 3335, AVIATION REGULATED SOLID, N.O.S. †	-	0	0

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

Class or division or product	Packing group	Maximum quantity ¹ per inner packaging	Maximum quantity per outer packaging ²
<p>Note: Some entries are subject to Special Provisions that modify the requirements for transport. In some cases the Special Provisions may specify additional controls or exclude the dangerous goods from transport controls.</p>			
<p>§ Not subject to controls for transport of dangerous goods on land or by air, but controls may apply for transport by sea.</p>			
<p>† Not subject to controls for transport of dangerous goods on land or by sea, but controls may apply for transport by air.</p>			
<p>9 – UN 3359, FUMIGATED UNIT</p>	<p>-</p>	<p>0</p>	<p>0</p>
<p>9 – UN 3363, DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS</p>	<p>-</p>	<p>0</p>	<p>0</p>
<p>9 – UN 3480, LITHIUM ION BATTERIES (including lithium ion polymer batteries)</p>	<p>II</p>	<p>0</p>	<p>0</p>
<p>9 – UN 3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)</p>	<p>II</p>	<p>0</p>	<p>0"</p>

¹ Quantity is measured in grams for solids, millilitres for liquids and millilitres water capacity of the container for gases.

² When dangerous goods with different quantity limits are packaged together, the quantity for the outer packaging is limited to the most restrictive quantity.

PART B Tests for packaging for dangerous goods in excepted quantities

- 1 The complete package, as prepared for transport, must be able to withstand the tests in *paragraphs 4* and *5* without any inner packaging breaking or leaking and without significant reduction in the effectiveness of the packaging.
- 2 The tests in *paragraphs 4* and *5* may be carried out by any reasonable means and must be documented.
- 3 Inner packages must be prepared for the tests in *paragraphs 4* and *5* as follows:
 - (a) inner packagings for solids must be filled to 95% or more of their capacity; and
 - (b) inner packagings for liquids must be filled to 98% or more of their capacity; and
 - (c) subject to *paragraphs (d)* and *(e)*, a substance other than the one to be transported may be used for the purposes of testing except where this would invalidate the results of the tests; and
 - (d) when another substance is used for the packaging tests for solids, it must have the same physical characteristics (mass, grain size, etc) as the substance to be transported; and
 - (e) when another substance is used for the packaging tests for liquids, it must have a similar relative density and viscosity to those of the substance to be transported.
- 4 The complete package, as prepared for transport, must be dropped from a height of 1.8 m onto a rigid, non-resilient, flat and horizontal surface as follows:
 - (a) a package in the shape of a box must be dropped in each of the following attitudes:
 - (i) flat on the base;
 - (ii) flat on the top;
 - (iii) flat on the longest side;
 - (iv) flat on the shortest side;
 - (v) on a corner; and
 - (b) a package in the shape of a drum must be dropped in each of the following attitudes:

- (i) diagonally on the top chime, with the centre of gravity directly above the point of impact;
- (ii) diagonally on the base chime, with the centre of gravity directly above the point of impact;
- (iii) flat on the side.

[Note: each drop may be performed on different, but identical packages]

- 5 The complete package, as prepared for transport, must have a force applied to its top surface for a period of 24 hours, equivalent to the weight of identical packages stacked to a height of 3 m, including the test package.

PART C EXCEPTED QUANTITIES MARK:



Minimum dimensions: 100 mm x 100 mm, printed in black or red on a contrasting background.

- * Space for the class or division of all dangerous goods in excepted quantities in the package.
- ** Space for the name of the consignor or consignee, if not shown elsewhere on the package.”