

**OPTION I (positive)**

HARMONIZATION WITH THE UN MODEL REGULATIONS  
ON THE TRANSPORT OF DANGEROUS GOODS

Carriage of dangerous goods packed in limited quantities

**Proposals to keep the current logic and to amend Chapter 3.4 to achieve harmonisation to the other transport modes**

**Drafted during the Joint Meeting**

Amend Chapter 3.4 of RID/ADR/ADN to read as follows:

**“CHAPTER 3.4**

**DANGEROUS GOODS  
PACKED IN LIMITED QUANTITIES**

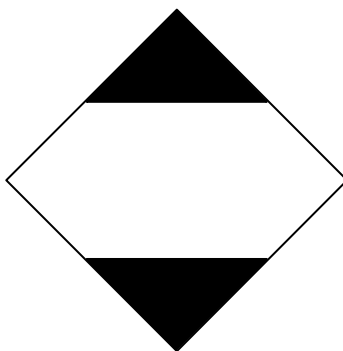
3.4.1 This Chapter provides the provisions applicable to the transport of dangerous goods of certain classes packed in limited quantities. The applicable quantity limit for the inner packaging or article is specified for each substance in ~~the first line of~~ Column (7a) of Table A of Chapter 3.2. In addition, the quantity “0” has been indicated in this column for each entry not permitted to be transported in accordance with this Chapter.

~~Limited quantities of d~~Dangerous goods ~~of certain classes~~packed in such limited quantities, meeting the provisions of this Chapter are not subject to any other provisions of RID/ADR/ADN except ~~for:~~the relevant provisions of:

- (a) Part 1, chapters 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 1.9
- (b) Part 2
- (c) Part 3, chapters 3.1, 3.2, 3.3 (except special provisions 61, 178, [181], 220, 274, 313, 625, 633, 650(e)).
- (d) ~~[Part 4, chapters paragraphs~~ 4.1.1.1., 4.1.1.2, 4.1.1.4.to 4.1.1.8, ~~remark VK:~~  
~~is in the text of 3.4.2, 3.4.3]~~

- (e) Part 5, ~~chapters 5.1., 5.1.2.1(a) (i) and (b), 5.1.2.2, 5.1.2.3,~~ 5.2.1.9, 5.4.2
- (f) ~~[Part 6, construction requirements of 6.1.4. and chapters paragraphs 6.2.5.1, 6.2.6.1-6.2.6.3~~ ~~remark VK: is in the text of 3.4.2, 3.4.3]~~
- (g) Part 7, ~~chapters 7.1 and, 7.2.1, 7.2.2, 7.5.1 (except 7.5.1.4), 7.5.7, 7.5.8, 7.5.9~~  
(h) 8.6.3.3  
(i) 9.1.1, 9.2.1, [9.4.1]

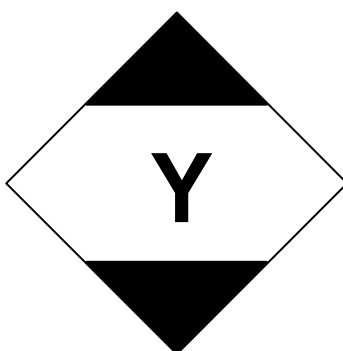
- 3.4.2 Dangerous goods shall be packed only in inner packagings placed in suitable outer packagings. Intermediate packagings may be used. However, the use of inner packagings is not necessary for the transport of articles such as aerosols or “receptacles, small, containing gas”. ~~The packagings [need not conform to the provisions of Chapter 4.1 nor those of Chapter 6.1 except that they] shall meet the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 and be so designed that they meet the construction requirements of 6.1.4. [Articles containing gases shall meet the requirements of 6.2.5.1 and 6.2.6.1 to 6.2.6.3 as appropriate and relevant.]~~ The total gross mass of the package shall not exceed 30 kg.
- 3.4.3 Shrink-wrapped or stretch-wrapped trays meeting the conditions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 are acceptable as outer packagings for articles or inner packagings containing dangerous goods carried in accordance with this Chapter. Inner packagings that are liable to break or be easily punctured, such as those made of glass, porcelain, stoneware or certain plastics, shall be placed in suitable intermediate packagings meeting the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8, and be so designed that they meet the construction requirements of 6.1.4. The total gross mass of the package shall not exceed 20 kg.
- 3.4.4 Liquid goods of Class 8, packing group II in glass, porcelain or stoneware inner packagings shall be enclosed in a compatible and rigid intermediate packaging.
- ~~3.4.5 Different dangerous goods packed in limited quantities may be placed in the same outer packaging provided they will not interact dangerously in the event of leakage. Covered by 4.1.1.6.~~
- ~~3.4.6 Any segregation provisions for dangerous goods packed in limited quantities need not apply within a vehicle or container.~~
- 3.4.7 Except for air transport, packages containing dangerous goods in limited quantities ~~need not be labelled nor marked [ see Inf. 48, SP 625!]~~ ~~with the proper shipping name or UN number of the contents, but~~ shall bear the marking shown below.



The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness.

The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm and the minimum width of line forming the diamond shall be 2 mm. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

- 3.4.8 Packages containing dangerous goods consigned for air transport in conformity with the provisions of Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air shall bear the marking shown below.



The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm. The minimum width of line forming diamond shall be 2 mm. The symbol “Y” shall be placed in the centre of the mark and shall be clearly visible. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

- 3.4.9 Packages containing dangerous goods bearing the marking shown in 3.4.8 shall be deemed to meet the provisions of sections 3.4.1 to 3.4.5 of this Chapter and need not bear the marking shown in 3.4.7.

~~3.4.10 The documentation provisions of 5.4.1 [5.4.3 and 5.4.4] need not apply to dangerous goods packed in limited quantities.\*~~

~~3.4.11 When packages containing dangerous goods in limited quantities are placed in an overpack, the overpack shall be marked with the word "OVERPACK" and the marking required by this Chapter unless the markings representative of all dangerous goods in the overpack are visible.~~

3.4.11. When packages containing dangerous goods packed in limited quantities are placed in an overpack, the provisions of 5.1.2 shall apply. In addition the overpack shall be marked with the markings required by this chapter unless the markings representative of all dangerous goods in the overpack are visible. The provisions 5.1.2.1 (ii) and 5.2.1.4 apply only if other dangerous goods which are not packed in limited quantities are contained, and only in relation to these other dangerous goods.

~~3.4.XX The requirements~~

~~(a) of 5.2.1.9 on the placement of orientation arrows on packages;~~

~~(b) of 5.1.2.1 (b) on the placement of orientation arrows on overpacks; and~~

~~(c) of 7.5.1.5 on the orientation of packages~~

~~shall be applicable also to packages and overpacks carried in accordance with this chapter.~~

3.4.12 In advance of carriage, consignors of dangerous goods packed in limited quantities shall inform the carrier in a traceable form of the total gross mass of such goods to be consigned.

(RID:)

**NOTE:** *If markings according to 3.4.15 are displayed on the wagon or large container, information regarding the total gross mass is not required."*

(ADR:)

**NOTE:** *If markings according to 3.4.15 are displayed on the transport unit or container, information regarding the total gross mass is not required."*

(ADN:)

**NOTE:** *If markings according to 3.4.15 are displayed on the transport unit, wagon or container, information regarding the total gross mass is not required."*

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\* For carriage by air and sea, consignors should be aware that dangerous goods packed in limited quantities are not exempted from the documentation requirements of the ICAO Technical Instructions nor those of the IMDG Code. The ICAO Technical Instructions and the IMDG Code require that, in addition to the elements of information to be included in the transport document for dangerous goods, the words "limited quantity" or "LTD QTY" be included after the description of the dangerous goods packed in limited quantities.

- 3.4.13 (ADR) (a) Transport units with a maximum mass exceeding 12 tonnes carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 at the front and at the rear except when orange-coloured plate marking is displayed in accordance with 5.3.2.
- (b) Containers carrying packages with dangerous goods in limited quantities, on transport units with a maximum mass exceeding 12 tonnes, shall be marked in accordance with 3.4.15 on all four sides except when placards are already affixed in accordance with 5.3.1.

The carrying transport unit need not be marked, except when the marking affixed to the containers is not visible from outside this carrying transport unit. In this latter case, the same marking shall be affixed at the front and at the rear of the transport unit.

- 3.4.13 (ADN) (a) Transport units with a maximum mass exceeding 12 tonnes carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 at the front and at the rear except when orange-coloured plate marking is displayed in accordance with 5.3.2.
- (b) Wagons carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on both sides except when placards in accordance with section 5.3.1 are already affixed.
- (c) Containers carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.12 on all four sides except.
- when placards in accordance with section 5.3.1 are already affixed;
  - for small containers loaded on a wagon;
  - for containers loaded on a transport unit with a maximum mass less than or equal to 12 tonnes.

If the containers are loaded on a transport unit or wagon, the carrying transport unit or wagon need not be marked, except when the marking affixed to the containers is not visible from the outside of this carrying transport unit or wagon. In this latter case, the same marking shall also be affixed at the front and the rear of the carrying transport unit, or on both sides of the carrying wagon.

- 3.4.13 (RID) (a) Wagons carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on both sides except when placards are already affixed in accordance with 5.3.1.

- (b) Large containers carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on all four sides except when placards are already affixed in accordance with 5.3.1.

If the marking affixed to the large containers is not visible from outside the carrying wagon, the same marking shall also be affixed to both sides of the wagon.

3.4.14 Markings specified in 3.4.13 may be dispensed with, if the total gross mass of the packages containing dangerous goods packed in limited quantities carried does not exceed 8 tonnes per transport unit.

3.4.15 The marking shall be that required in 3.4.7, except that the minimum dimensions shall be 250 mm × 250 mm.

### Consequential amendments

4. In Chapter 3.2, section 3.2.1, amend the explanatory notes for column (7a) to read as follows:

“Limited quantities

Provides the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities in accordance with Chapter 3.4, paragraphs 3.4.1 to 3.4.16. ~~May contain, in addition, an alphanumeric code starting with the letters “LQ” signifying that dangerous goods packed in limited quantities may also be carried in accordance with the provisions of Chapter 3.4, section 3.4.20”.~~

5. In Table A of Chapter 3.2, column (7a), add the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities, as given in Chapter 3.2 of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, sixteenth revised edition (document ST/SG/AC.10/1/Rev.16).

6. In Table A of Chapter 3.2, column (7a), delete alphanumeric codes ~~LQ0, LQ1 and LQ2 wherever they appear [NOTE: Other codes could probably be deleted if the quantity limits correspond to the quantity limits of the United Nations Recommendations].~~

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