|  |  |  |  |
| --- | --- | --- | --- |
|  | United Nations | ST/SG/AC.10/C.3/100/Add.1 | |
| _unlogo | **Secretariat** | | Distr.: General  2 February 2017  English  Original: English and French |

**Committee of Experts on the Transport of Dangerous Goods   
and on the Globally Harmonized System of Classification   
and Labelling of Chemicals**

**Sub-Committee of Experts on the Transport of Dangerous Goods**

Report of the Sub-Committee of Experts on the Transport of Dangerous Goods on its fiftieth session

held in Geneva from 28 November to 6 December 2016

Addendum

Contents

*Page*

Annexes

II. Corrections to the sixth revised edition of the Recommendations   
on the Transport of Dangerous Goods, Manual of Tests and Criteria  
(ST/SG/AC.10/11/Rev.6)…..................... 2

III. Amendments to the Guiding Principles for the development  
of the Model Regulations ……………….. 6

IV. Corrections to the nineteenth revised edition of the Recommendations  
on the Transport of Dangerous Goods, Model Regulations   
(ST/SG/AC.10/1/Rev.19) 8

Annex II

Corrections to the sixth revised edition of the Recommendations   
on the Transport of Dangerous Goods, Manual of Tests and Criteria  
(ST/SG/AC.10/11/Rev.6)

1. Section 1, Table 1.2, for Test series 3, under “Test code”

*For* 3 (c) *read* 3 (c) (i)

*(Reference document: informal document INF.36)*

2. Table of contents of Part I, for Test 3 (c) (ii)

*For* 13.6.1 *read* 13.6.2

*(Reference document: informal document INF.36)*

3. Section 10, Figure 10.3

Replace the vertical line leading to box 19 by a downward arrow.

*(Reference document: informal document INF.36)*

4. Section 10, Figure 10.8, item 6 (Box 32)

*For* Is there nevertheless a small hazard in the event of ignition or initiation?

*read* Would the hazard hinder fire-fighting in the immediate vicinity?

*(Reference document: informal document INF.36)*

5. Section 11, 11.5.1.2.2, fourth sentence

For the existing text, *substitute*

Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm3 of dibutyl phthalate or silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.

*(Reference document: informal document INF.59, annex 3, amendment 1)*

6. Section 12, 12.5.1.2.2, fourth sentence

For the existing text, *substitute*

Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm3 of dibutyl phthalate or silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.

*(Reference document: informal document INF.59, annex 3, amendment 2)*

7. Sub-section 13.4, table under paragraph 13.4.6.5.2, heading of the second column

*For* in assembly 2 *read* in assembly 3

*(Reference document: informal document INF.36)*

8. Sub-section 13.5, paragraph 13.5.1.3.4, paragraph number and heading

*For* 13.5.1.3.4 Test criteria and method of assessing results

*read* 13.5.1.4 *Test criteria and method of assessing results*

*(Reference document: informal document INF.36)*

9. Sub-section 13.6, paragraph 13.6.1.3.2, third sentence

*For* procedure given in should *read* procedure given in 13.6.1.3.3 should

*(Reference document: informal document INF.36)*

10*.* Section 16.7, paragraph 16.7.1.4 (b)

*For* 80 ± 3 g/m² *read* 80 ± 10 g/m²

*(For the English version, correction already included in ST/SG/AC.10/11/Rev.6/Corr.1)*

*(Reference document: informal document INF.36)*

11. Section 17, table 17.1, third column, in the section number for 7 (k)

*For* 17.13.2 *read* 17.13.1

*(Reference document: informal document INF.36)*

12. Sub-section 18.6, paragraph 18.6.1.1

*For* of a candidate ammonium nitrate emulsion or suspension or gel, intermediate for blasting explosives

*read* of a candidate for “ammonium nitrate emulsion, suspension or gel, intermediate for blasting explosives”

*(Reference document: informal document INF.36)*

13. Section 18, 18.6.1.2.2, fourth sentence

For the existing text, *substitute*

Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm3 of dibutyl phthalate or equivalent silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.

*(Reference document: informal document INF.59, annex 3, amendment 3)*

14. Section 18, 18.6.1.2.3, last but one sentence

*For* any draughts does *read* any draught does

*(Reference document: informal document INF.36)*

15. Section 20, paragraph 20.2.6

*For* see section 32.5.2 *read* see section 33.3

*(Reference document: informal document INF.36)*

16. Section 20, figure 20.1 (b)

*For* 12.1 Significative *read* 12.1 Not low

*(Reference document: informal document INF.36)*

17. Section 25, 25.4.1.2.2, fourth sentence

For the existing text, *substitute*

Calibration involves heating a tube (fitted with a 1.5 mm orifice plate) filled with 27 cm3 of dibutyl phthalate or equivalent silicone oil of apparent density 0.96 ± 0.02 at 20 °C and heat capacity 1.46 ± 0.02 J/g.K at 25 °C.

*(Reference document: informal document INF.59, annex 3, amendment 4)*

18. Section 25, paragraph 25.4.1.3.5, at the end of the first sentence

*Delete* mm

*(Reference document: informal document INF.36)*

19. Section 31, paragraph 31.1.3, definition of “aerosol”

*For* made of metal glass *read* made of metal, glass

*(Reference document: informal document INF.36)*

20. Section 33, paragraph 33.2.1.4.4.1

*For* 33.2.1.3.4.2 *read* 33.2.1.4.3.2

*(Reference document: informal document INF.36)*

21. Section 35, paragraph 35.4.3.2 (b), in the second sentence

*For* 35.3.3.2 (a) *read* 34.3.3.2 (a)

*(Reference document: informal document INF.36)*

22. Section 38, paragraph 38.3.2.3, definition of mass loss

*For* Table 38.3.2.2 below *read* Table 38.3.1 below

*(Reference document: informal document INF.36)*

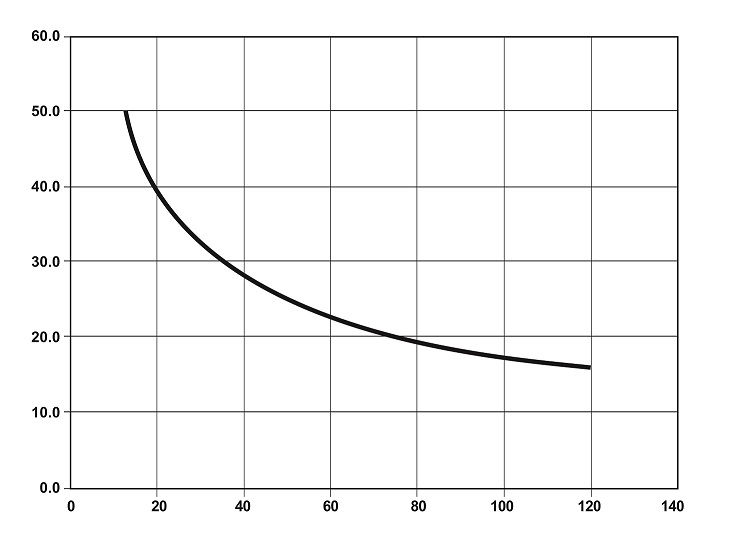
23. Section 38, paragraph 38.3.3 (c)

In the French text, delete the last paragraph («Dans le cas des piles prismatiques, …»)

*(Reference document: informal document INF.36)*

24. Section 38.3, paragraph 38.3.4.4.2, Figure 38.3.4.2

Replace the existing figure with the following (the legend of the axis remains unchanged)



*(For the English version, correction already included in ST/SG/AC.10/11/Rev.6/Corr.1)*

*(Reference document: informal document INF.36)*

25. Section 51, paragraph 51.4.4.2 (g), in the formula

*For* A10r *read* A10t

*(Reference document: informal document INF.36)*

26. Section 51, paragraph 51.4.6, in the last formula

*For* At *read* Ac

*(Reference document: informal document INF.36)*

27. Appendice 8, table, in the third row, under the heading “Case”

*For* calibration tests ¤ read calibration tests\*

*(Reference document: informal document INF.36)*

Annex III

Amendments to the Guiding Principles of the Model Regulations

Chapter 3.5

Replace the table, table notes and sentence after the table by the following:

**“Methodology for determining excepted quantities**

| **Class/Division** | **Packing Group** | **Maximum net quantity per inner packaging** (in grammes for solids and ml for liquids and gases) | **Maximum net quantity per outer packaging** (in grammes for solids and ml for liquids and gases, or sum of grammes and ml in the case of mixed packing) | **E-Code** |
| --- | --- | --- | --- | --- |
| 1 |  | Not permitted | | E0 |
| 2.1 |  | Not permitted | | E0 |
| 2.2 without subsidiary hazarda |  | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 2.2 with a subsidiary hazard |  | Not permitted | | E0 |
| 2.3 |  | Not permitted | | E0 |
| 3 without a subsidiary hazardb | I | 30 g / 30 ml | 300 g / 300 ml | E3 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 3 with a subsidiary hazardc | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 4.1d | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 4.2 | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 4.3 | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 5.1 | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 5.2e |  | Not permitted | | E0 |
| 6.1 Substances which are toxic by inhalationk | I | Not permitted | | E0 |
| 6.1f,g | I | 1 g / 1 ml | 300 g / 300 ml | E5 |
|  | II | 1 g / 1 ml | 500 g / 500 ml | E4 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 6.2 |  | Not permitted | | E0 |
| 7 |  | Not permitted | | E0 |
| 8h, i | I | Not permitted | | E0 |
|  | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |
| 9j | II | 30 g / 30 ml | 500 g / 500 ml | E2 |
|  | III | 30 g / 30 ml | 1000 g / 1000 ml | E1 |

**a** *For gases, the volume indicated for inner packagings refers to the water capacity of the inner receptacle and the volume indicated for outer packagings refers to the combined water capacity of all inner packagings within a single outer package;*

**b** *Desensitized explosives and UN 3256 shall not be transported as excepted quantities;*

**c** *Chlorosilanes (UN Nos. 1162, 1196, 1250, 1298, 1305, 2985) shall not be transported as excepted quantities.*

**d** *Self-reactive substances, polymerizing substances, desensitized explosives, UN Nos. 2304, 2448, 3176 (molten substances), 3360 and 3527 shall not be transported as excepted quantities;*

**e** *Division 5.2 dangerous goods shall ONLY be transported as excepted quantities if in UN 3316, Chemical Kit or First Aid Kit;*

**f** *UN Nos. 1600, 2312 and 3250 (molten substances) shall not be transported as excepted quantities;*

**g** *Chlorosilanes (UN Nos. 3361, 3362) shall not be transported as excepted quantities;*

**h** *UN Nos. 2215 (molten), 2576, 2803 and 2809 shall not be transported as excepted quantities;*

**i** *Chlorosilanes (UN Nos. 1724, 1728, 1747, 1753, 1762, 1763, 1766, 1767, 1769, 1771, 1781, 1784, 1799, 1800, 1801, 1804, 1816, 1818, 2434, 2435, 2437, 2986, 2987) shall not be transported as excepted quantities.*

**j** *Code E1 applies for UN Nos. 3334 and 3335. UN Nos. 1845, 2807, 3245, 3257 and 3258 shall not be transported as excepted quantities;*

**k** *These are substances which are assigned Special Provision 354 in column (6) of the Dangerous Goods List and “TOXIC BY INHALATION” N.O.S entries.*

The meaning of the Codes in the Table above is explained in 3.5.1 of the Model Regulations.”.

*(Reference document: ST/SG/AC.10/C.3/2016/78).*

Annex IV

Corrections to the 19th revised edition of the United Nations Recommendations on the Transport of Dangerous Goods,  
Model Regulations (ST/SG/AC.10/1/Rev.19)

*(Reference document: Informal document INF.28)*

1. Chapter 2.7, 2.7.2.3.2 (a) (ii) and 2.7.2.3.2 (b) (ii), at the end of sub-paragraphs (ii)

*For* or *read* and

2. Chapter 3.2, Dangerous Goods List, for UN 2908, in Column (6)

*Insert* 368

3. Chapter 3.2, Dangerous Goods List, for UN 2913, in Column (6)

*Insert* 325

4. Chapter 3.2, Dangerous Goods List, for UN 2913, in Column (6)

*Delete* 336

5. Chapter 3.2, Dangerous Goods List, for UN 3326, in Column (6)

*Insert* 326

6. Chapter 3.2, Dangerous Goods List, for UN 3326, in Column (6)

*Delete* 336

7. Chapter 3.3, Special Provision 369, second paragraph, at the end

*For* 2.7.2.3.6 *read* 2.7.2.3.5

8. Chapter 4.1, Packing Instruction P603, in the Special packing provision

*Delete* and 6.4.11.2

9. Chapter 6.4, 6.4.2.11, in the fourth line

*For* 4.1.9.1.10 and 4.1.9.1.11 *read* 4.1.9.1.11 and 4.1.9.1.12

10. Chapter 6.4, 6.4.23.19

*For* under 6.4.22.2, 6.4.22.3, 6.4.22.4, 6.4.24.2 and 6.4.24.3 *read* under6.4.22.2, 6.4.22.3, 6.4.22.4 and 6.4.24.2