



**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 sixtieth session**

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Addendum

Contents

Annexes

I.	Draft amendments to the twenty-second revised edition of Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.22) ¹	2
II.	Corrections to the twenty-second revised edition of Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.22) ¹	11
III.	Modifications to the sixth version of the Guiding Principles for the Development of Model Regulations on the Transport of Dangerous Goods, (English only) ¹	11
IV.	Draft amendments to the Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.7 and Amend.1) ¹ ..	12

¹ For practical reasons, these annexes have been published as an addendum with the symbol ST/SG/AC.10/C.3/120/Add.1.



I. Draft amendments to the twenty-second revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.22)

Data sheet to be submitted to the United Nations for new or amended classification of substances

[Section 9, item 9.6 Amend to read as follows:

“9.6 Filling ratio/degree of filling, as applicable”]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18, as amended)

Chapter 1.2

[1.2.1 Add a new definition in proper alphabetical order to read as follows:

“Degree of filling means the ratio, expressed in %, of the volume of liquid or solid introduced at 15 °C into the means of containment and the volume of the means of containment ready for use;”]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

1.2.2.1 In the table, in the entry for “Electrical resistance”, replace “ $1 \text{ kg} \cdot \text{m}^2 / \text{s}^3 / \text{A}^2$ ” by “ $1 \text{ kg} \cdot \text{m}^2 \cdot \text{s}^{-3} \cdot \text{A}^{-2}$ ”.

(Reference document: ST/SG/AC.10/C.3/2022/31)

Chapter 2.0

2.0.5.2 Amend to read as follows:

“2.0.5.2 Such articles may in addition contain [cells or] batteries. Lithium [cells and] batteries that are integral to the article shall be of a type proven to meet the testing requirements of the Manual of Tests and Criteria, part III, sub-section 38.3. For articles containing pre-production prototype lithium cells or batteries transported for testing, or for articles containing lithium cells or batteries manufactured in production runs of not more than 100 cells or batteries, the requirements of special provision 310 of Chapter 3.3 shall apply.”

(Reference document: informal document INF.51, as amended)

Chapter 2.3

2.3.1.4 In the last sentence, replace “UN 3357 and UN 3379” by “UN 3357, UN 3379 and UN 3555”.

(Reference document: informal document INF.44, amendment 1)

Chapter 2.6

2.6.3.2.2.1 In the table, for UN 2814, in the entry for “Monkeypox virus”, at the end, add “(cultures only)”.

(Reference document: informal document INF.24)

Chapter 2.9

2.9.2 Under “*Genetically modified micro-organisms (GMMOs) and genetically modified organisms (GMOs)*”, before the last paragraph, add the following new paragraph:

“Pharmaceutical products (such as vaccines) that are packed in a form ready to be administered, including those in clinical trials, and that contain GMMOs or GMOs are not subject to these Regulations.”

(Reference document: informal document INF.48)

(This amendment replaces the amendment in ST/SG/AC.10/C.3/118/Add.11, annex II)

2.9.4 (g) At the end, add a new note to read as follows:

“NOTE: The term “make available” means that manufacturers and subsequent distributors ensure that the test summary for lithium cells or batteries or equipment with installed lithium cells or batteries is accessible so that the consignor or other persons in the supply chain can confirm compliance.”

(Reference document: informal document INF.43, as amended)

Chapter 3.2

3.2.1 In the descriptive text for column 5, first sentence, delete “article or”.

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 1)

Chapter 3.2, dangerous goods list

For UN 2028, in column (5), delete “II”.

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 2)

For UN 2803, in column (6), add “365”.

(Reference document: ST/SG/AC.10/C.3/2022/44)

For UN 2870 (second entry), in column (5), delete “I”.

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 2)

For UN 3165 in column (5), delete “I”.

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 2)

For UN Nos. 3537, 3538, 3540, 3541, 3546, 3547 and 3548, in column (6), add “310”.

(Reference document: informal document INF.51)

Add the following new entries:

(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
3553	DISILANE	2.1				0	E0	P200			
3554	GALLIUM CONTAINED IN MANUFACTURED ARTICLES	8			366	5 kg	E0	P003	PP90		
3555	TRIFLUOROMETHYLTE TRAZOLE-SODIUM SALT IN ACETONE, with not less than 68 % acetone, by mass	3		II	28, 132	0	E0	P303	PP26		

(Reference documents: ST/SG/AC.10/C.3/2022/19, proposal 1, ST/SG/AC.10/C.3/2022/44 and informal document INF.44, amendment 1)

Chapter 3.3

SP 28 Before “Division 4.1”, add “Class 3 or” and before “2.4.2.4”, add “2.3.1.4 and”.

(Reference document: informal document INF.44, amendment 1)

SP 310 Amend to read as follows:

“310 Cells or batteries from production runs of not more than 100 cells or batteries, or pre-production prototypes of cells or batteries when these prototypes are transported for testing, shall meet the provisions of 2.9.4 with the exception of 2.9.4 (a), (e) (vii), (f) (iii) if applicable, (f) (iv) if applicable and (g).

NOTE: *“Transported for testing” includes, but is not limited to, testing described in the Manual of Tests and Criteria, part III sub-section 38.3, integration testing and product performance testing.*

These cells and batteries shall be packaged in accordance with packing instruction P910 of 4.1.4.1 or LP905 of 4.1.4.3, as applicable.

Articles (UN Nos. 3537, 3538, 3540, 3541, 3546, 3547 or 3548) may contain such cells or batteries provided that the applicable parts of packing instruction P006 of 4.1.4.1 or LP03 of 4.1.4.3, as applicable, are met.

The transport document shall include the following statement: “Transport in accordance with special provision 310”

(Reference document: informal document INF.51, as amended)

(This amendment replaces the amendment in ST/SG/AC.10/C.3/118/Add.11, annex II)

SP 363 In (f), first paragraph, amend the second sentence to read “However, lithium batteries shall meet the provisions of 2.9.4, except that 2.9.4 (a), (e) (vii), (f) (iii) if applicable, (f) (iv) if applicable and (g) do not apply when batteries of a production run of not more than 100 cells or batteries, or pre-production prototypes of cells or batteries when these prototypes are transported for testing, are installed in machinery or engines.”.

(Reference document: informal document INF.51, as amended)

SP 365 After “mercury”, add “or gallium”. Replace “UN 3506” by “UN Nos. 3506 or 3554, as appropriate”.

(Reference document: ST/SG/AC.10/C.3/2022/44, as amended)

SP 366 In the first sentence, after “mercury”, add “or gallium”. [In the second sentence, after “mercury”, add “or gallium”.]

(Reference document: ST/SG/AC.10/C.3/2022/44)

SP 379 In (d) (i), replace “ISO 11114-1:2012 + A1:2017” by “ISO 11114-1:2012 + Amd 1:2017”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal on editorial amendments)

SP 388 In the eighth paragraph, amend the second sentence to read “However, lithium batteries shall meet the provisions of 2.9.4, except that 2.9.4 (a), (e) (vii), (f) (iii) if applicable, (f) (iv) if applicable and (g) do not apply when batteries of a production run of not more than 100 cells or batteries, or pre-production prototypes of cells or batteries when these prototypes are transported for testing, are installed in machinery or engines.”.

In the last paragraph, delete “or equipment” (twice).

(Reference document: informal document INF.51, as amended)

Alphabetical index

Add the following new entries in alphabetical order:

Butylenes mixture, see	2.1	1012
DISILANE	2.1	3553
GALLIUM CONTAINED IN MANUFACTURED ARTICLES	8	3554
TRIFLUOROMETHYLTETRAZOLE-SODIUM SALT IN ACETONE, with not less than 68 % acetone, by mass	3	3555

(Reference document: informal document INF.7, as amended, ST/SG/AC.10/C.3/2022/19, consequential amendment, ST/SG/AC.10/C.3/2022/44, consequential amendment and informal document INF.44, consequential amendment)

Chapter 4.1

[4.1.1.10 (a) The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

4.1.4.1, P003 In special packing provision PP90, replace “UN 3506” by “UN Nos. 3506 and 3554” and after “mercury”, add “or gallium, as appropriate,”.

(Reference document: ST/SG/AC.10/C.3/2022/44, as amended)

4.1.4.1, P006 At the end, add a new (5) to read as follows:

- “(5) Articles containing pre-production prototype lithium cells or batteries when these prototypes are transported for testing or production runs of not more than 100 lithium cells or batteries that are of a type that have not met the testing requirements of part III, sub-section 38.3 of the Manual of Tests and Criteria, part III sub-section 38.3 shall in addition meet the following:
- (a) Packagings shall conform to the requirements in paragraph (1) of this packing instruction;
 - (b) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the article within the package that may lead to damage and a dangerous condition during transport. When cushioning material is used to meet this requirement it shall be non-combustible and electrically non-conductive;
 - (c) Non-combustibility of the cushioning material shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured;
 - (d) The article may be transported unpackaged under conditions specified by the competent authority. Additional conditions that may be considered in the approval process include, but are not limited to:
 - (i) The article shall be strong enough to withstand the shocks and loadings normally encountered during transport, including trans-shipment between cargo transport units and between cargo transport units and warehouses as well as any removal from a pallet for subsequent manual or mechanical handling; and
 - (ii) The article shall be fixed in cradles or crates or other handling devices in such a way that it will not become loose during normal conditions of transport.”

(Reference document: informal document INF.51)

4.1.4.1, P200 In table 2, add the following new row:

UN No.	Name and description	Class or Division	Subsidiary hazard	LC ₅₀ (ml/m ³)	Cylinders	Tubes	Pressure drums	Bundles of cylinders	MEGCs	Test period (years)	Test pressure (bar)	Filling ratio	Special packing provisions
3553	DISILANE	2.1			X	X	X	X		10	225	0.39	q

(Reference document: ST/SG/AC.10/C.3/2022/19, proposal 2)

[4.1.4.1, P203 In (5), amend the heading to read “(5) Filling”. In the last paragraph replace “degree of filling” by “gas filled into the receptacle”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

4.1.4.1, P301 In the second row after the heading, first sentence, replace “4.1.1” by “4.1.1.1, 4.1.1.2, 4.1.1.4, 4.1.1.5, 4.1.1.6”.

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 4)

[4.1.4.1, P650 Amend (6) to read as follows:

“(6) The completed package shall be capable of withstanding a 1.2 m drop in any orientation without leakage from the primary receptacle(s), which shall remain protected by absorbent material, when required, in the secondary packaging.

NOTE: *Capability may be demonstrated by testing, assessment or experience.”*

In (7) (d), at the end, add “and”.

Under (7) (e), add the following new note:

“**NOTE:** *Capability may be demonstrated by testing, assessment or experience.”*

In (8) (c), at the end, add “and”.

In (9) (a), at the end, add “and”.]

(Reference document: informal document INF.46, as amended)

4.1.4.1, P800 In special packing provision PP41, at the end, add the following new sentence: “Interior supports shall be provided to prevent movement after the dissipation of the refrigerant.”

(Reference document: ST/SG/AC.10/C.3/2022/12, alternative oral proposal)

4.1.4.1, P803 At the end, add a new paragraph to read as follows:

“Packagings shall conform to the packing group II performance level.”

(Reference document: ST/SG/AC.10/C.3/2022/17, proposal 3)

4.1.4.1 Add the following new packing instruction:

P303	PACKING INSTRUCTION	P303
This instruction applies to UN No. 3555.		
The following packagings are authorized, provided that the general provisions of 4.1.1 and 4.1.3 as well as 4.1.5.12 are met: Plastics drum non-removeable head (1H1) of maximum capacity 250 l.		
Additional requirements: The packagings shall be transported in an upright position.		
Special packing provisions:		

PP26 For UN No. 3555, packagings shall be lead free.

(Reference document: informal document INF.44, amendment 1)

4.1.4.2, IBC03 Amend special packing provision B11 to read as follows:

“B11 Notwithstanding the provisions of the second paragraph of 4.1.1.10, UN 2672 ammonia solution in concentrations not exceeding 25 % may be transported in IBCs.”

(Reference document: ST/SG/AC.10/C.3/2022/35, as amended)

4.1.4.3, LP03 Add a new (4) to read as follows:

“(4) Articles containing pre-production prototype lithium cells or batteries when these prototypes are transported for testing or production runs of not more than 100 lithium cells or batteries that are of a type that have not met the testing requirements of part III, sub-section 38.3 of the Manual of Tests and Criteria, part III sub-section 38.3 shall in addition meet the following:

- (a) Packagings shall conform to the requirements in paragraph (1) of this packing instruction;
- (b) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the article within the package that may lead to damage and a dangerous condition during transport. When cushioning material is used to meet this requirement it shall be non-combustible and electrically non-conductive;
- (c) Non-combustibility of the cushioning material shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured.”

(Reference document: informal document INF.51)

4.1.4.3, LP903 Amend the first sentence under the heading to read: “This instruction applies to large cells with a gross mass of more than 500 g, large batteries with a gross mass of more than 12 kg, and equipment containing large cells or large batteries of UN Nos. 3090, 3091, 3480 and 3481.”.

In the second line, first paragraph, replace “for a single battery and for a single item of equipment” by “for cells, batteries and equipment”.

In the second line, modify the last paragraph to read as follows:

“Cells, batteries or equipment shall be placed in inner packagings or separated by other suitable means, such as placement in trays or by dividers, to ensure protection against damage that may be caused under normal conditions of transport by:

- (1) its movement or placement within the large packaging;
- (2) contact with other cells, batteries or equipment within the large packaging; and
- (3) from any loads arising from the superimposed weight of cells, batteries, equipment and packaging components above the cell, battery or equipment within the large packaging.

When multiple cells, batteries or items of equipment, are packed in the large packaging, bags (e.g., plastics) alone shall not be used to satisfy these requirements.”

(Reference document: informal document INF.40, as amended)

4.1.6.1.2 In the second sentence, replace “ISO 11114-2:2013” by “ISO 11114-2:2021”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal 1)

[4.1.7.0.1 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

Chapter 4.2

[4.2.1.9.2 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.9.3 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.9.5 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.9.5.1 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.9.6 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.13.13 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.16.2 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.1.19.2 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.3.6.2 In the first sentence, replace “degree of filling” by “quantity of gas filled into the shell”. In the second sentence, replace “degree of filling of the shell” by “quantity of gas filled into the shell”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18, as amended)

[4.2.3.6.4 Replace “degree of filling” by “quantity of gas filled into the shell”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.2.3 Replace “degree of filling” by “filling ratio”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.2.6, T23 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.2.6, T50 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.3, TP1 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.3, TP2 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.3, TP3 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.3, TP4 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[4.2.5.3, TP5 Replace “degree of filling” by “restrictions on filling”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

Chapter 5.3

5.3.1.1.5.1 In the first sentence, after “SCO-I”, add “or SCO-III”.

(Reference document: ST/SG/AC.10/C.3/2022/31)

Chapter 5.5

5.5.3.3.1 Replace “P650, P800, P901 or P904” by “P650 or P800”.

(Reference document: ST/SG/AC.10/C.3/2022/12, as amended)

Chapter 6.1

6.1.3.1 In the first sentence, after “marks”, insert “on a non-removable component”.

After the first paragraph, add the following new note:

“NOTE: *The provisions of 6.1.3.1 of the twenty-second revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations may continue to be applied until 31 December 2026. Packagings manufactured before 1 January 2027 according to the provisions applicable at the date of manufacture may continue to be used.”*

(Reference document: ST/SG/AC.10/C.3/2022/41)

[6.1.5.5.4 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

Chapter 6.2

6.2.1.5.2 Insert the following note at the end:

“NOTE: *Closed cryogenic receptacles which were constructed in accordance with the initial inspection and test requirements of 6.2.1.5.2 applicable in the twenty-first revised edition of the Model Regulations but which do not however conform to the requirements of 6.2.1.5.2 relating to the initial inspection and test applicable in the twenty-second revised edition of the Model Regulations, may continue to be used.”*

(Reference document: ST/SG/AC.10/C.3/2022/6)

6.2.1.6.1 In (d), note 3, first sentence, after “ISO 18119:2018”, add “+ Amd 1:2021”. Add the following new second sentence: “For a transitional period until 31 December 2026 the standard ISO 18119:2018 may be used for this same purpose”

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal 3)

6.2.2.2 In the table, replace “ISO 11114-1:2012 + A1:2017” by “ISO 11114-1:2012 + Amd 1:2017”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal on editorial amendments)

In the table, replace “ISO 11114-2:2013” by “ISO 11114-2:2021”. The second amendment does not apply to the English version.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal 1)

6.2.2.3 In the first table, replace “ISO 10297:2014 + A1:2017” by “ISO 10297:2014 + Amd 1:2017” and replace “ISO 14246:2014 + A1:2017” by “ISO 14246:2014 + Amd 1:2017”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal on editorial amendments)

6.2.2.4 In the first table, in the row for ISO 18119:2018, replace “Until further notice” by “Until 31 December 2026”. Add a new row beneath this row as follows:

ISO 18119:2018 +Amd 1:2021	Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing	Until further notice
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For ISO 10461:2005/A1:2006, replace “ISO 10461:2005/A1:2006” by “ISO 10461:2014 + Amd 1:2005”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal 3 and proposal on editorial amendments)

6.2.2.7.3 Insert the following note at the end:

“NOTE: Acetylene cylinders constructed in accordance with the twenty-first revised edition of the Model Regulations which are not marked in accordance with 6.2.2.7.3 (k) or (l) applicable in the twenty-second revised edition of the Model Regulations, may continue to be used until the next periodic inspection and test two years after the coming into force of the twenty-third revised edition of the Model Regulation where they have to be marked according to the twenty-third revised edition of the Model Regulations or be taken out of operation.”

(Reference document: ST/SG/AC.10/C.3/2022/6)

6.2.2.11 Insert the following note at the end:

“NOTE: Closures of refillable pressure receptacles constructed manufactured before 1 January 2027 in accordance with the requirements applicable in the twenty-first revised edition of the Model Regulations which are not marked in accordance with the requirements of 6.2.2.11 applicable in the twenty second revised edition may continue to be used.”

(Reference document: ST/SG/AC.10/C.3/2022/6, as amended)

Chapter 6.5

[6.5.5.1.7 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

[6.5.6.8.4.2 The amendment does not apply to the English version.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

Chapter 6.7

[6.7.4.15.1 In (i) (iv), replace “degree of filling” by “Maximum allowable mass of gas filled”.

In figure 6.7.4.15.1, under “**HOLDING TIMES**”, last column, replace “Degree of filling” by “Maximum allowable mass of gas filled”.]

(Reference documents: ST/SG/AC.10/C.3/2022/23 and informal document INF.18)

6.7.5.2.4 In (a), replace “ISO 11114-1:2012 + A1:2017” by “ISO 11114-1:2012 + Amd 1:2017” and replace “ISO 11114-2:2013” by “ISO 11114-2:2021”.

(Reference document: ST/SG/AC.10/C.3/2022/14, proposal 1 and proposal on editorial amendments)

Document ST/SG/AC.10/C.3/2022/2 with amendments to the Spanish version was adopted.

[Informal document INF.18 with additional amendments to the Spanish version was adopted.]

II. Corrections to the twenty-second revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.22)

Chapter 3.2, dangerous goods list, for UN 0511

Not applicable to English.

(Reference document: ST/SG/AC.10/C.3/2022/1)

Chapter 3.2, dangerous goods list, for UN 0512

Not applicable to English.

(Reference document: ST/SG/AC.10/C.3/2022/1)

Chapter 3.2, dangerous goods list, for UN 0513

Not applicable to English.

(Reference document: ST/SG/AC.10/C.3/2022/1)

Alphabetical index, for “DETONATORS, ELECTRONIC programmable for blasting”

Not applicable to English.

(Reference document: ST/SG/AC.10/C.3/2022/1, consequential modification)

Chapter 4.1, 4.1.4.1, P200, table 2, UN No. 1001, second row, column “Special packing provisions”

Insert c, p

(Reference document: ST/SG/AC.10/C.3/2022/8)

Chapter 4.1, 4.1.4.1, P200, table 2, UN No. 3374, second row, column “Special packing provisions”

Insert c, p

(Reference document: ST/SG/AC.10/C.3/2022/8)

Chapter 6.4, 6.4.23.2 (c)

For (iii) read (v)

(Reference document: ST/SG/AC.10/C.3/2022/16)

III. Modifications to the sixth version of the Guiding Principles for the Development of the Model Regulations on the Transport of Dangerous Goods [English only]

B.2, §2 In table 4.1, for 6.1, add the following new row:

6.1	Cobalt dihydroxide powder (UN 3550) ^b	None	I	IBC07
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Note b reads: “^b Acknowledging the unique properties of cobalt dihydroxide powder, which include that this material is: hygroscopic, heavy with a density of 3.6 g/cm³, has zero vapour pressure, tends to clump and not remain airborne, and that the airborne fraction has a low respirability value of only 0.8 % modelled to deposit in the deep lung, the Sub-Committee of Experts on the Transport of Dangerous Goods agreed to authorize UN 3550 to be packed in flexible intermediate bulk containers, provided these include a sift-proof liner (to prevent any egress of dust during transport), and are transported in closed cargo transport units”.

(Reference document: ST/SG/AC.10/C.3/2022/3, as amended)

C.3, §15 Delete the entry for TP2 and renumber TP3 to TP11 as TP2 to TP10.

(Reference document: ST/SG/AC.10/C.3/2022/39)

C.3, §15 In the renumbered TP4, after “low specific activity” add “and surface contaminated objects”. After “3534” add “, to chemicals under pressure (UN Nos. 3500 to 3505)”.

(Reference document: ST/SG/AC.10/C.3/2022/39, as amended)

IV. Draft amendments to the Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.7 and Amend.1)

Section 32

[32.2.2 In the first sentence, replace “60 °C” by “93 °C” and delete the rest of the sentence after that.

At the end of the paragraph, add the following text:

“For the purposes of transport, the following specifications apply in addition:

- (a) Substances are classified as flammable liquids only when their flash point is not more than 60 °C (flammable liquids Category 4 of the GHS is not implemented);
- (b) Additionally, substances transported or offered for transport at elevated temperatures, are classified as flammable liquids when they give off a flammable vapour at a temperature at or below the maximum transport temperature.”]

(Reference document: ST/SG/AC.10/C.3/2022/11, proposal 2, paragraph 9)

Section 37

[37.1.2 In the last sentence, replace “classification” by “transport-classification”.]

(Reference document: ST/SG/AC.10/C.3/2022/11, proposal 1)
