



**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****Fifty-seventh session**

Geneva, 30 November-8 December 2020

Item 6 (e) of the provisional agenda

**Miscellaneous proposals for amendments to the
Model Regulations on the Transport of Dangerous Goods:
other miscellaneous proposals****Consequential amendments related to the introduction of
“TEMPERATURE CONTROLLED” in 3.1.2.6 and
reference to “MOLTEN” as part of the proper shipping name
in the transport document****Transmitted by the expert from Spain*****Introduction**

1. In the twentieth revised edition of the Model Regulations (2017), a new text was introduced in 3.1.2.6 (b) indicating that, when the words “TEMPERATURE CONTROLLED” are not already included in capital letters in the name of a substance if temperature control is used for stabilization, this has to be added as part of the proper shipping name. Nevertheless, 5.4.1.5.4 has not been updated. Spain considers that the text in 5.4.1.5.4 should directly reference the case when the words “TEMPERATURE CONTROLLED” are included into the proper shipping name because this would ease the application of the regulations for end users. For that reason, Spain presented at the December 2019 Sub-Committee session informal document INF.5 (fifty-sixth session) proposing the following amendments related to this subject:

- to amend the text of 5.4.1.5.4 (paragraph 7 of INF.5),
- to include in 5.4.1.4.3 a cross reference to 3.1.2.6 for modifying the proper shipping name (by including an additional sub-paragraph (e) under 5.4.1.4.3 in INF.5), and
- to amend the text of 7.1.5.3.2 (paragraph 9 of INF.5).

2. In the same session, Spain also presented informal document INF.6 (fifty-sixth session) to include a reference to “MOLTEN” as part of the proper shipping name in the transport document by adding a new paragraph (d) to 5.4.1.4.3, as an additional consequential amendment to informal document INF.5 (56th session).

* 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2)

3. As mentioned in the report of the Sub-Committee of Experts on the Transport of Dangerous Goods on its fifty-sixth session (report ST/SG/AC.10/C.3/112, para. 101), there was support for the amendments to 5.4.1.5.4 and 7.1.5.3.2 in informal document INF.5 and for the addition of a new sub-paragraph (d) in 5.4.1.4.3, as proposed in informal document INF.6. Since several delegations provided comments on the proposed text for 5.4.1.4.3 (e) during the session, the Sub-Committee invited Spain to revise it accordingly and to consolidate all the proposed amendments in an official document for the next session, ST/SG/AC.10/C.3/2020/15 that was submitted for the Sub-Committee session initially planned for June/July 2020.

4. Finally, that session was postponed to November/December 2020, but Spain received written comments, including some interesting editorial suggestions during the online informal discussions in June/July 2020. This document updates the proposal including most of the comments received.

“TEMPERATURE CONTROLLED” in the transport document (5.4.1)

5. Although in the twentieth revised edition of the UN Model Regulations (edition 2017) a new text was introduced into 3.1.2.6 (b), but paragraph 5.4.1.5.4 was not updated. The present text of 5.4.1.5.4 is:

“5.4.1.5.4 Substances stabilized by temperature control

If the word “STABILIZED” is part of the proper shipping name (see also 3.1.2.6), when stabilization is by means of temperature control, the control and emergency temperatures (see 7.1.5.3) shall be indicated in the transport document, as follows:

“Control temperature: ...°C Emergency temperature: ...°C” ”.

6. The text in 5.4.1.5.4 should now directly reference the case when the words “TEMPERATURE CONTROLLED” are included into the proper shipping name. The proposed amendment is included in paragraph 17 of this document.

7. Additionally, it may be interesting to also include into 5.4.1 another reference to 3.1.2.6, to recall the fact that the proper shipping name of the substance has to be modified including “STABILIZED”, when necessary. 5.4.1 should include all important points to complete the transport document, and unless the user is familiar with the transport of stabilized or stabilized by temperature controlled products, the complete contents of 3.1.2.6 may be unknown.

8. The proposed text takes into account the comments received from other delegations during the December 2019 session (related to informal documents INF.5 and INF.6 of the fifty-sixth session) and also received through the UNECE platform in June 2020 on the document ST/SG/AC.10/C.3/2020/15, to make clear that there are several ways to stabilize substances and one of them is by temperature control. The proposed amendment is included in paragraph 17 below.

“TEMPERATURE CONTROLLED” in special provisions contained in 7.1.5

9. In 7.1.5.3.2 it is indicated to which substances the provisions of 7.1.5 apply. Inter alia, under a) substances are listed for which the proper shipping name as indicated in column 2 of Table A of Chapter 3.2 or according to 3.1.2.6 contains the word “STABILIZED”.

10. To clearly include here also those substances stabilized by temperature control where in the proper shipping name the words “TEMPERATURE CONTROLLED” appear, this case should be added into the same indent. The proposed amendment is shown in paragraph 19 of this document.

“MOLTEN” in the transport document (5.4.1)

11. As mentioned above, 5.4.1 should include all important facts to complete the transport document. Paragraph 3.1.2.5 explains when to include the qualifying word “MOLTEN” into the proper shipping name. It may be interesting to include in 5.4.1.4.3 a reference to 3.1.2.5 to recall the fact when the proper shipping name of the substance must be modified including the word “MOLTEN”.

12. The present text of 5.4.1.4.3 d) is:

“5.4.1.4.3 Information which supplements the proper shipping name in the dangerous goods description

The proper shipping name in the dangerous goods description shall be supplemented as follows:

...

(d) Elevated temperature substances: If the proper shipping name of a substance which is transported or offered for transport in a liquid state at a temperature equal to or exceeding 100 °C, or in a solid state at a temperature equal to or exceeding 240 °C, does not convey the elevated temperature condition (for example, by using the term “MOLTEN” or “ELEVATED TEMPERATURE” as part of the shipping name), the word “HOT” shall immediately precede the proper shipping name.”.

13. The existing paragraph 5.4.1.4.3 (d) explains when to introduce the word “HOT” into the proper shipping name but does not mention when to add “MOLTEN” as defined by 3.1.2.5.

14. The reference to 3.1.2.5 could be done by inserting a new sub-paragraph (d), explaining when to add the word “MOLTEN”, similarly as what has been proposed in paragraph 6 of this document for stabilized or temperature controlled substances.

15. The proposed amendment is included in paragraph 18 of this document, as a new paragraph 5.4.1.4.3 (d).

Proposals

16. All the proposed amendments are shown below (deleted text shown as ~~stricken through~~, new text added underlined).

17. Spain proposes to amend the text of 5.4.1.5.4 to read as follows:

“5.4.1.5.4 ~~Substances stabilized by temperature control~~ Stabilized and temperature controlled substances

~~If the word “STABILIZED” is part of the proper shipping name (see also 3.1.2.6), when stabilization is by means of temperature control,~~

When stabilization is used the word "STABILIZED" shall be added to the proper shipping name, unless it is already part of the proper shipping name (see 3.1.2.6).

When temperature control is used for stabilization or when chemical stabilization is used in combination with temperature control the words "TEMPERATURE CONTROLLED" shall be added to the proper shipping name, unless it is already part of the proper shipping name (see 3.1.2.6).

In addition, the control and emergency temperatures (see 7.1.5.3) shall be indicated in the transport document, as follows:

“Control temperature: ...°C Emergency temperature: ...°C”.

18. Furthermore, Spain proposes to include into 5.4.1.4.3 a cross reference to 3.1.2.5 and 3.1.2.6 for modifying the proper shipping:

“5.4.1.4.3 Information which supplements the proper shipping name in the dangerous goods description

The proper shipping name in the dangerous goods description shall be supplemented as follows:

- (a) Technical names for “n.o.s.” and other generic descriptions: Proper shipping names that are assigned special provision 274 or 318 in Column 6 of the Dangerous Goods List shall be supplemented with their technical or chemical group names as described in 3.1.2.8;
 - (b) Empty uncleaned packagings, bulk containers and tanks: Empty means of containment (including packagings, IBCs, bulk containers, portable tanks, tank-vehicles and tank-wagons) which contain the residue of dangerous goods of classes other than Class 7 shall be described as such by, for example, placing the words “**EMPTY UNCLEANED**” or “**RESIDUE LAST CONTAINED**” before or after the dangerous goods description specified in 5.4.1.4.1 (a) to (e);
 - (c) Wastes: For waste dangerous goods (other than radioactive wastes) which are being transported for disposal, or for processing for disposal, the proper shipping name shall be preceded by the word “**WASTE**”, unless this is already a part of the proper shipping name;
 - (d) Molten substances: When a substance, which is solid in accordance with the definition in 1.2.1, is offered for transport in the molten state, the qualifying word “**MOLTEN**” shall be added as part of the proper shipping name, unless it is already part of the proper shipping name (see 3.1.2.5);
 - (e) ~~(d)~~ Elevated temperature substances: If the proper shipping name of a substance which is transported or offered for transport in a liquid state at a temperature equal to or exceeding 100 °C, or in a solid state at a temperature equal to or exceeding 240 °C, does not convey the elevated temperature condition (for example, by using the term “**MOLTEN**” or “**ELEVATED TEMPERATURE**” as part of the shipping name), the word “**HOT**” shall immediately precede the proper shipping name.”.
19. Spain proposes to amend the text of 7.1.5.3.2 to read as follows:

“These provisions also apply to the carriage of substances for which:

- (a) The proper shipping name as indicated in column 2 of the Dangerous Goods List of Chapter 3.2 or according to 3.1.2.6 contains the ~~word~~ words “**STABILIZED**” and/or “**TEMPERATURE CONTROLLED**”; and
 - (b) The self-accelerating decomposition temperature (SADT)
...”
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