



**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-sixth session**

Geneva, 2-11 December 2019

Item 6 (a) of the provisional agenda

**Miscellaneous proposals for amendments to the Model Regulations
on the Transport of Dangerous Goods:
marking and labelling****Hazard communication for oxidizers and organic peroxides****Transmitted by the Council on Safe Transportation of Hazardous
Articles (COSTHA)*****Introduction**

1. At its twenty-fifth session, the Sub-Committee provisionally adopted a proposal from Norway (see ST/SG/AC.10/C.3/2004/21) to amend the label for organic peroxides. At its twenty-sixth meeting, the Sub-Committee provisionally adopted a proposal from the United States of America to change the symbol used on the organic peroxide label from the flaming O to a flame to better represent the true hazards associated with organic peroxides and to better differentiate the oxidizer and organic peroxide labels and authorizing either black or white symbols consistent with other labels in 5.2.2.2.2. The Sub-Committee recognized that organic peroxides and oxidizing materials, which are both in Class 5, are fundamentally different and that there is a need to change the label and placard for organic peroxides, to more effectively differentiate them from oxidizers. This paper requests that the Sub-Committee consider changing the division numbers at the bottom of the labels to hazard class numbers consistent with other labels shown in 5.2.2.2.2.

Discussion

2. The communication of hazards presented by organic peroxide labels is better differentiated from oxidizer labels by changes made to the background colour and symbol on the organic peroxide label. There is no longer a need to distinguish between oxidizers and organic peroxides by using the division numbers.



3. Similar to ST-SG-AC10-C3-2011-5, ST-SG-AC10-C3-2011-32e and ST-SG-AC10-C3-2012-32e discussed at the thirty-ninth through forty-first sessions of the Sub-Committee,

* In accordance with the programme of work of the Sub-Committee for 2019-2020 approved by the Committee at its ninth session (see ST/SG/AC.10/C.3/108, paragraph 141 and ST/SG/AC.10/46, paragraph 14).

this paper requests to include class numbers rather than division numbers for the oxidizer and organic peroxide labels to maintain the consistency of label designs. Consistency facilitates easier adherence and enforcement of dangerous goods regulations.

Proposal

4. COSTHA proposes the following amendments:
 - (a) 5.2.2.2.1.1 “* The class ~~or, for divisions 5.1 and 5.2, the Division~~ number shall be shown in the bottom corner”;
 - (b) Update 5.2.2.2.2 as shown below.

Label model No.	Division or category	Symbol and symbol colour	Background	Figure in bottom corner (and figure colour)	Specimen labels	Note
Class 5 Oxidizing substances and organic peroxides						
5.1	Division 5.1: Oxidizing substances	Flame over circle: black	Yellow	5-1 (black)		-
5.2	Division 5.2: Organic Peroxides	Flame: black or white	Upper half red, lower half yellow	5-2 (black)		-