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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

(Twentieth session, 3-12 December 2001  
agenda item 7(d))

LISTING AND CLASSIFICATION

Miscellaneous Amendment Proposals

Comments on ST/SG/AC.10/C.3/2001/42  
Definition of Elevated Temperature Substance

Transmitted by the Expert from Canada

1. The Expert from Canada appreciates the proposal from the United States of America regarding the definition of elevated temperature substances.
2. If the Sub-Committee agrees that a definition of elevated temperature substance should be included in the Model Regulations, the Expert from Canada is of the opinion that the matter is more involved than adding the definition proposed by the United States of America. The Expert from Canada believes that
  - such a definition should also be applicable to Class 3, UN 3256, since elevated temperature substances may be assigned to Class 3 as well as to Class 9, and
  - there should be consistency in wording between the proposed definition and other references to Class 9, elevated temperature substances, and the descriptive text associated with the shipping name for UN 3257 .

3. Consequently, the following modification to the definition proposed by the United States of America is offered for consideration:

*"elevated temperature substance* means a substance that, when offered for transport or transported, is

- (a) a liquid with a flash point greater than or equal to 60.5 °C that is intended or expected to be at a temperature greater than or equal to its flash point at any time during transport;

*In this case, the substance is included in Class 3 and the UN number and shipping name are UN 3256, Elevated Temperature, Liquid, Flammable, N.O.S.*

- (b) a liquid that is at a temperature greater than or equal to 100 °C and below its flash point and includes molten metals, molten salts and similar substances with no known flash point; or

*In this case, the substance is included in Class 9 and the UN number and shipping name are UN 3257, Elevated Temperature Liquid, N.O.S.*

- (c) a solid that is at a temperature greater than or equal to 240 °C

*In this case, the substance is included in Class 9 and the UN number and shipping name are UN 3258, Elevated Temperature Solid, N.O.S.*

3. For consistency with the proposed definition, modifications to section 2.3.1.2 are offered for consideration: delete paragraphs (a) and (b) and change the last sentence to read:

"This class also includes **an elevated temperature substance.**"

4. For consistency with the proposed definition, modifications to the last sentence of section 2.9.1 are offered for consideration:

"This class **also** includes **an elevated temperature substance.**"

5. For consistency with the proposed definition, modifications to the first sentence of section 5.3.2.2 are offered for consideration:

"Transport units containing **an elevated temperature substance included in Class 9** shall bear on each side and each end the mark shown in Figure 5.3.4.

6. Further, for consistency with the proposed definition, modifications to the descriptive text associated with the shipping name for UN 3256 in the Dangerous Goods List are offered for consideration:

"ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S., with a flash point **greater than or equal to 60.5°C that is intended or expected to be at a temperature greater than or equal to its flash point at any time during transport**".

7. Further, for consistency with the proposed definition, modifications to the descriptive text associated with the shipping name for UN 3257 in the Dangerous Goods List are offered for consideration:

"ELEVATED TEMPERATURE LIQUID, N.O.S., **at a temperature greater than or equal to 100 °C and below its flash point and includes molten metals, molten salts and similar substances with no known flash point**".

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