

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 Globally Harmonized
System of Classification and Labelling of Chemicals

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Item 3 (f) of the provisional agenda

**Classification criteria and related hazard communication:
miscellaneous**

Revised terms of reference (refer to ST/SG/AC.10/C.4/2016/7)

Transmitted by the experts from the Netherlands and the United Kingdom

The following terms of reference are proposed:

- (a) Using a step-wise approach, starting with a hazard class to be determined by the informal working group, identify and evaluate¹, relative to existing accepted *in vivo* test methods upon which the existing GHS classification criteria are based:
 - (i) The available *in vitro* and *in chemico* test methods, validated at the international level (e.g., OECD, ICATM, etc.), that could be used for GHS hazard classification, for health hazard and environmental (i.e. aquatic toxicity) hazard classes, including their applicability domains, limitations (such as accuracy, sensitivity, specificity) and expected future developments.
 - (ii) The existing guidance on *in silico*, including grouping approaches, QSARs and read-across, that could be useful for GHS hazard classification for health hazard and environmental hazard classes, including their limitations, uncertainties and validation; and
- (b) For each relevant GHS hazard class and category, assess:
 - (i) Where substances and mixtures may be classified using the results of non-animal methods taking into account all relevant scientific information; and whether new or amended GHS classification criteria are needed to facilitate the use of such methods for hazard classification, and
 - (ii) whether an integrated or tiered evaluation approach taking into account all relevant scientific information and combination of methods for hazard classification should be developed.
- (c) Prepare draft amendments and additions to the GHS to facilitate hazard classification using non-animal methods, where appropriate and considering relevant limitations and uncertainties. They should include as appropriate

¹ It is not foreseen to have a complete evaluation of all existing guidance or to cover all new developments. The work by the informal working group should focus on relevant information in relation to the possible amendments or additions to GHS classification.

classification criteria, notes, decision logic, tiered evaluation and guidance, and should take into account the needs of all sectors. The proposed changes should provide, so far as possible, a consistent approach across the different hazard classes. If appropriate, suggestions for further developments of non-animal methods should be given.

- (d) Report progress to the GHS Sub-Committee as appropriate.
