

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

Sixteenth session
Geneva, 10 -12 (a.m) December 2008
Item 2 (e) of the provisional agenda

UPDATING OF THE SECOND REVISED EDITION OF THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS)

Proposed corrections to the GHS text

Note by the secretariat

This document contains two parts:

- Part 1 contains proposed corrections to the GHS text (to be included in a corrigendum to the second edition of the GHS);
- Part 2 contains issues which are brought to the Sub-Committee's attention for further action, regarding in particular:
 - (a) the general statement on the use of signal words in paragraph 1.4.10.5.2 (a); and
 - (b) the updating of references to web pages in the GHS.

The Sub-Committee is invited to consider the corrections and updates proposed in this document.

Part 1:
Proposed corrections to the GHS text
(to be included in a corrigendum to the second revised edition of the GHS)

Chapter 1.4

1.4.10.3 (second sentence)

For health hazards, the exclamation mark and the fish and tree
read health hazards and the exclamation mark

(Justification: the fish and tree symbol is now used in transport of dangerous goods regulations in packagings containing environmentally hazardous substances (see 5.2.1.6 of the UN Model Regulations).

1.4.10.4.1 *For* includes *read* may include.

(Justification: See definition of “pictogram” in Chapter 1.2).

Chapter 1.5

1.5.2 In the first sentence, *for* all mixtures which contain substances *read* all mixtures which contain ingredients.

In the last sentence:

For may choose also to require *read* may also require
For all mixtures which contain hazardous substances *read* which contain hazardous ingredients.

(Justification: see A4.2.1)

Chapter 3.2

Note *a* under tables 3.2.1 and 3.2.2:

For and in the “Classification of hazardous substances and mixtures” (para. 1.3.2.4.7.1)
read and in Chapter 1.3 (paragraph 1.3.2.4.7)

(Justification: Paragraph number 1.3.2.4.7.1 does not exist)

Chapter 3.4

In decision logic 3.4.2:

For Does the mixture as a whole have respiratory sensitization data? (see 3.4.3.1)
read Does the mixture as a whole have skin sensitization data? (see 3.4.3.1)

(Justification: Decision logic 3.4.2 refers to skin sensitization. For respiratory sensitization see decision logic 3.4.1)

Chapter 3.8

Figure 3.8.1 In the note, at the end of the first sentence
For target organ organ/system read target organ/system

Chapter 3.10

In decision logic 3.10.1, in the last text box on the left hand side *delete* or less *after* mm²/s

Annex 2

In table A2.18, on the left side column, under the heading “Hazard communication elements”,

For **!** *read* *No symbol*

Annex 5

In page 434 of the English version, for the paragraph number before the heading “Contamination and co-intervention”, *replace* A.5.5.6 *with* A6.5.6

Annex 9

A9.2.4.4 At the end of the first sentence, *for* “need be applied” *read* “needs to be applied”.

A9.3.3.4 In the first sentence *for* “and use” *read* “and the use”.

In the fourth sentence *insert* “should” *after* “iron”.

A9.3.4.1 In the last sentence *for* “be” *read* “are”.

A9.3.5.2 (a) In the fifth sentence *for* “factors has” *read* “factors have”.

A9.6.4.5 At the end of the last but one sentence *delete* [emphasis added here]

Part 2:
Other issues

(a) Information required on a GHS label - Signal words

Paragraph 1.4.10.5.2 (a) reads:

“[...] The signal words used in the GHS are “Danger” and “Warning”. “Danger” is used for the more severe hazard categories (i.e. in the main for hazard categories 1 and 2), while “Warning” is used for the less severe. [...].

The secretariat would like to draw the attention of the Sub-Committee to the fact that the signal word “warning” is used for the most severe hazard categories within the environmental hazard classes aquatic toxicity (Acute 1 and Chronic 1) and hazardous to the ozone layer (Category 1).

Action requested of the Sub-Committee: The Sub-Committee may wish to consider amending the phrase regarding the use of the word “warning” accordingly.

(b) References to web pages in the GHS

The GHS contains a number of references to guidance material available on the internet. The secretariat has checked all the links to internet addresses provided in the GHS and found out that many of them are no longer available.

The Sub-Committee may wish to consider updating the links as proposed hereafter, and providing the correct references in those cases where the updated links could not be found.

Chapter 3.3

Footnote 2 to paragraph 3.3.2.6:

² OECD (1996). Final Report of the OECD Workshop on Harmonization of Validation and Acceptance Criteria for Alternative Toxicological Test Methods. Document ENV/MC/TG(96)9 (<http://www.oecd.org/ehs/test/background.htm>)”

The web page is unavailable. The report is referenced to in several OECD related documents as “ENV/MC/CHEM/TG(96)9” but could not be identified within the 369 results found when searching by document symbol in the OECD database online.

Action requested of the Sub-Committee: The Sub-Committee may wish to consider providing a direct link to the document or web page where it can be easily found.

Appendix V to Annex 9

- 1 (a) EC guidelines: European Commission (1996). Classification, Packaging and Labelling of Dangerous Substances in the European Union. Part 2 – Testing Methods. European Commission. 1997. ISBN 92-828-0076-8. (Homepage: <http://ecb.ei.jrc.it/testing-methods/>);

The web page is unavailable.

Action requested of the Sub-Committee: The Sub-Committee may wish to consider providing a direct link to the document or web page where it can be easily found.

- 1 (b) ISO guidelines: Available from the national standardisation organisations or ISO (Homepage: <http://www.iso.ch/>);

Proposal: The internet address has changed. The Sub-Committee may wish to consider replacing the current address with the following: <http://www.iso.org/iso/home.htm>

- 1 (c) OECD guidelines for the testing of chemicals. OECD, Paris, 1993 with regular updates (Homepage: <http://www.oecd.org/ehs/test/testlist.htm>);

The web page is unavailable.

Proposal: The Sub-Committee may wish to consider replacing the current text with the following: “[OECD guidelines for the testing of chemicals](http://www.oecd.org/ehs/test/testlist.htm). OECD, Paris, 1993 with regular updates”

The Sub-Committee is also invited to consider whether or not the mention “OECD, Paris, 1993 with regular updates” needs to be maintained.

- 1(d) OPPTS guidelines: US-EPA homepage: <http://www.epa.gov/opptsfrs/home/guidelin.htm> and ([http://www.epa.gov/OPPTS_Harmonized/850_Ecological_Effects_Test_Guidelines / Drafts](http://www.epa.gov/OPPTS_Harmonized/850_Ecological_Effects_Test_Guidelines_Drafts));

The web page given between brackets is unavailable.

Proposal: Delete the reference between brackets since the relevant links to OPPTS guidelines may be found in the US-EPA website for which the link is already indicated.

Appendix VI to Annex 9

References for Aquatic toxicity:

- OECD 1998. Harmonized Integrated Hazard Classification System for Human Health and Environmental Effects of Chemical Substances. OECD, Paris. <http://www.oecd.org/ehs/Class/HCL6.htm>

The web page is unavailable.

Action requested of the Sub-Committee: The Sub-Committee may wish to consider providing a direct link to the document or web page where it can be easily found.

- US EPA 1996. Ecological Effects Test Guidelines – OPPTS 850.1000. Special Considerations for Conducting Aquatic Laboratory Studies. Public Draft, EPA 712-C-96-113. United States Environmental Protection Agency. http://www.epa.gov/docs/OPTS_Harmonized/

The internet address has changed.

Proposal: The Sub-Committee may wish to consider replacing the current reference with the following:

“US EPA 1996. Ecological Effects Test Guidelines – OPPTS 850.1000. [Special Considerations for Conducting Aquatic Laboratory Studies](#). Public Draft, EPA 712-C-96-113. United States Environmental Protection Agency.”

References for biotic and abiotic degradation:

- OECD (1998). Harmonized integrated hazard classification system for human health and environmental effects of chemical substances. Paris. <http://www.oecd.org/ehs/Class/HCL6.htm>

The web page is unavailable.

Action requested of the Sub-Committee: The Sub-Committee may wish to consider providing a direct link to the document or web page where it can be easily found.

References for bioaccumulation:

- US EPA, 1996. Ecological effects test guidelines – OPPTS 850.1000. Special considerations for conducting aquatic laboratory studies. Public Draft, EPA712-C-96-113. United States Environmental Protection Agency. http://www.epa.gov/docs/OPTS_Harmonized/

The internet address has changed.

Proposal: The Sub-Committee may wish to consider replacing the current reference with the following:

“US EPA, 1996. Ecological effects test guidelines – OPPTS 850.1000. [Special considerations for conducting aquatic laboratory studies](#). Public Draft, EPA712-C-96-113. United States Environmental Protection Agency.”

- US EPA (1999) Development of Chemical Categories in the HPV Challenge Program, <http://www.epa.gov/chemrtk/categuid.htm>

The internet address has changed.

Proposal: The Sub-Committee may wish to consider replacing the current address with the following: <http://www.epa.gov/HPV/pubs/general/categuid.htm>

- US EPA (2000a), The Use of Structure-Activity Relationships (SAR) in the High Production Volume Chemicals Challenge Program, <http://www.epa.gov/chemrtk/sarfin11.htm>

The internet address has changed.

Proposal: The Sub-Committee may wish to consider replacing the current address with the following: <http://www.epa.gov/hpv/pubs/general/sarfin11.htm>

- US EPA (2000b), ECOSAR, <http://www.epa.gov/oppt/newchems/21ecosar.htm>

The internet address has changed.

Proposal: The Sub-Committee may wish to consider replacing the current address with the following: <http://www.epa.gov/oppt/newchems/tools/21ecosar.htm>

References for metal and metal compounds

- OECD (1998). Harmonized Integrated Hazard Classification System for Human Health and Environmental Effects of Chemical Substances, <http://www.oecd.org/ehs/Class/HCL6.htm>

The web page is unavailable.

Action requested of the Sub-Committee: The Sub-Committee may wish to consider providing a direct link to the document or web page where it can be easily found.
