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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 Globally  
Harmonized System of Classification  
and Labelling of Chemicals

Fifteenth session,  
Geneva, 9-11 July 2008  
Item 2 (c) of the provisional agenda

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

Environmental hazards

Draft proposal for the classification and labelling of Ozone Depleting Chemicals

Transmitted by the Organization for Economic Co-operation and Development (OECD)<sup>\*/</sup>

**Background**

1. In December 2004, the Sub-Committee of Experts on the GHS requested that the OECD examine possibilities to develop classification criteria for ozone depleting substances in cooperation with the Conference of the Parties to the Montreal Protocol and develop first a detailed comparison of classification systems in countries/regions. The detailed comparison was submitted to the Sub-Committee in July 2006 and the Sub-Committee agreed that the work should continue and that it would consider any proposal or option in this respect for final decision. A proposal was expected to be completed in 2007 (work plan for the OECD for the biennium 2007-2008).

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<sup>\*/</sup> *In accordance with the programme of work of the Sub-Committee for 2007-2008 approved by the Committee at its third session (refer to ST/SG/AC.10/C.4/24, Annex 2 and ST/SG/AC.10/34, para. 14) (Tasks assigned to OECD in relation to health hazards and hazards to the environment).*

2. Before its finalization, the proposal was sent for comments to the Sub-Committee of experts on the GHS, the Sub-Committee of Experts on the Transport of Dangerous Goods, and the Ozone Secretariat in charge of the Montreal Protocol on Substances Depleting the Ozone Layer. The comments received by the Secretariat were editorial only; they have been taken into account in the final proposal.

### Proposal

a) Insert a new chapter in Part 4 of the GHS, to read as follows:

## “CHAPTER 4.2

### HAZARDOUS TO THE OZONE LAYER

#### 4.2.1 Definitions

*Ozone Depleting Potential (ODP)* is an integrative quantity, distinct for each halocarbon source species, that represents the extent of ozone depletion in the stratosphere expected from the halocarbon on a mass-for-mass basis relative to CFC-11. The formal definition of ODP is the ratio of integrated perturbations to total ozone, for a differential mass emission of a particular compound relative to an equal emission of CFC-11.

*Montreal Protocol* is the Montreal Protocol on Substances that Deplete the Ozone Layer as adjusted and amended by the meetings of the Parties.

#### 4.2.2 Classification criteria<sup>1</sup>

A substance or mixture shall be classified as Category 1 according to the following table:

**Table 4.2.1: Criteria for substances and mixtures hazardous to the ozone layer**

Category	Criteria
<b>1</b>	Any of the controlled substances listed in Annexes of the Montreal Protocol; or Any mixture containing at least one ingredient classified as hazardous to the ozone layer at a concentration $\geq 0.1\%$

<sup>1</sup> *The criteria in this chapter are intended to be applied to substances and mixtures. Equipment, articles or appliances (such as refrigeration or air conditioning equipment) containing substances hazardous to the ozone layer are beyond the scope of these criteria. Consistent with 1.1.2.5 (a)(iii) regarding pharmaceutical products, GHS classification and labelling does not apply to medical inhalers at the point of intentional intake.*

### 4.2.3 Hazard communication

General and specific considerations concerning labelling requirements are provided in *Hazard Communication: Labelling* (Chapter 1.4). Annex 2 contains summary tables about classification and labelling. Annex 3 contains examples of precautionary statements\* and pictograms which can be used where allowed by the competent authority.

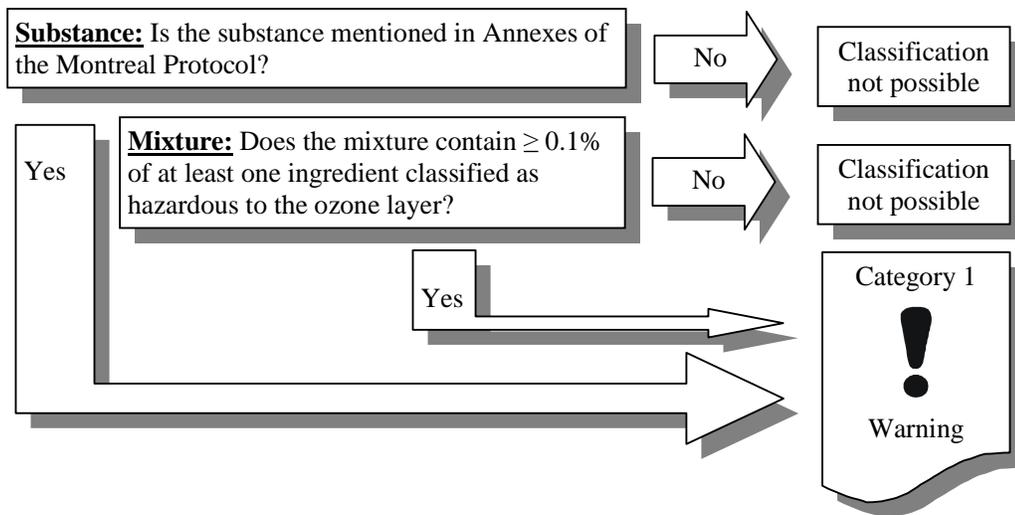
**Table 4.2.2 Label elements for substances and mixtures hazardous to the ozone layer**

	<b>Category 1</b>
<b>Symbol</b>	Exclamation mark
<b>Signal word</b>	Warning
<b>Hazard statement</b>	Harms public health and the environment by destroying ozone in the upper atmosphere

### 4.2.4 Decision logic for ozone depleting substances and mixtures

The decision logic which follows is not part of the harmonized classification system but is provided here as additional guidance. It is strongly recommended that the person responsible for classification study the criteria before and during use of the decision logic.

#### *Decision logic 4.1.1 for substances and mixtures*



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\* *Note by the UNECE secretariat:* The secretariat brought to the attention of the OECD secretariat that the consequential amendments to Annex 3 (e.g.: precautionary statements and related codes) to which reference is made in this sentence, were missing in the proposal contained in this document. The OECD secretariat agreed to consult the experts who developed the text with a view to the submission of a proposal to the Sub-Committee in due time.

## b) Consequential amendments to Annexes 1 and 2

(i) Annex 1: Insert the following table at the end:

<b>HAZARDOUS TO THE OZONE LAYER</b>				
<b>Category 1</b>	-	-	-	-
 <b>Warning</b> Harms public health and the environment by destroying ozone in the upper atmosphere				
<b>Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations.**</b>				

(ii) Annex 2: Insert the following title and table at the end:**A2.29 Hazard to the ozone layer**

<b>Hazard category</b>	<b>Criteria</b>	<b>Hazard communication elements</b>	
<b>1</b>	1. <i>For substances</i> Any of the controlled substances listed in Annexes of the Montreal Protocol	Symbol	
	2. <i>For mixtures</i> Any mixture containing at least one ingredient classified as hazardous to the ozone layer at a concentration $\geq 0.1\%$	Signal word	Warning
		Hazard Statement	Harms public health and the environment by destroying ozone in the upper atmosphere

\*\* *Note by the UNECE secretariat: The information related to Transport of Dangerous Goods, which was not contained in the original proposal submitted by the OECD secretariat, has been added by the secretariat. This change has been agreed by the OECD secretariat.*