

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

24 November 2010

**Sub-Committee of Experts on the Transport
of Dangerous Goods**

Thirty-eight session

Geneva, 29 November–7 December 2010

Item 11 of the provisional agenda

**Issues relating to the Globally Harmonized System
of Classification and Labelling of Chemicals (GHS)**

**Sub-Committee of Experts on the Globally
Harmonized System of Classification and Labelling
of Chemicals**

Twentieth session

Geneva, 7–9 December 2010

Item 2 (a) of the provisional agenda

**Updating of the third revised edition of the Globally
Harmonized System of Classification and Labelling
of Chemicals (GHS): Physical hazards**

**Amendment to the tables with concentration limits for
chemically unstable gases in ST/SG/AC.10/C.3/2010/70 –
ST/SG/AC.10/C.4/2010/10**

**Transmitted by the expert from Germany on behalf of the informal
working group**

Introduction

1. As indicated in Table 3x.1 in document ST/SG/AC.10/C.3/2010/70 – ST/SG/AC.10/C.4/2010/10 the specific concentration limit for ethylene oxide is supposed to be amended before the December meeting.
2. In addition, in Table 3x.2 one further value can be added for mixtures of acetylene and methane.
3. The amended values of the tables are given in the following proposal. Changes compared to the tables in document ST/SG/AC.10/C.3/2010/70 – ST/SG/AC.10/C.4/2010/10 are in red and underlined.

Proposal

4. Replace the row for ethylene oxide in Table 3x.1 in document ST/SG/AC.10/C.3/2010/70 – ST/SG/AC.10/C.4/2010/10 by the following:

Table 3x.1: Information about gases with regard to their chemical instability and concentration limits for their mixtures below which the mixtures are not classified as chemically unstable

Information about the pure gas					Information about its mixtures
Chemical Name	Molecular formula	CAS No	UN No	Classification	Specific concentration limit (see Notes 1 and 2)
Ethylene oxide	C ₂ H ₄ O	75-21-8	1040	Chem. Unst. Cat. 1	<u>15 mole% for mixtures containing rare gases</u> <u>30 mole% for other mixtures</u>

5. Replace the row for a 3 mole% concentration limit of acetylene in Table 3x.2 in document ST/SG/AC.10/C.3/2010/70 – ST/SG/AC.10/C.4/2010/10 by the following:

Table 3x.2: Specific concentration limits for binary mixtures with acetylene. These concentration limits may also be applied to butyne-1 (ethylacetylene), propadiene and propyne

Concentration limit for acetylene in mol %	Maximum (filling) pressure in bar for a mixture with						
	N ₂	CO ₂	NH ₃	H ₂	CH ₄	C ₃ H ₈	C ₂ H ₄
3.0	200.0				<u>200.0</u>		