UNITED NATIONS

ST

Distr.
GENERAL

ST/SG/AC.10/C.3/2006/2
ST/SG/AC.10/C.4/2006/2
20 February 2006

Original: ENGLISH

Secretariat

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

Twenty-ninth session,
3-12(a.m.) July 2006
Item 3 of the provisional agenda

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

Eleventh session, 12(p.m.)-14 July 2006,
Item 2 (a) of the provisional agenda

CLASSIFICATION OF OXIDIZING GASES AND GAS MIXTURES

Proposals to update the references to ISO standards for the classification of flammable gases and gas mixtures

Transmitted by the European Industrial Gases Association (EIGA)

Introduction

The UN Recommendations on the Transport of Dangerous Goods, Model Regulations, fourteenth revised edition, already refer to the Standard ISO 10156:1996 for the classification of flammable gases under 2.2.2.1 (a) (ii) and for the determination of flammability for mixture of gases under 2.2.3 (a).

The Globally Harmonised System of Classification and Labelling of Chemicals (GHS), first revised edition, refers to the Standard ISO 10156:1996 for the classification of oxidizing gases under 2.4.4.1 and for the determination of oxidizing ability for mixture of gases under 2.4.4.2 .

ISO recently published Part 2 for the determination of oxidizing ability of toxic and corrosive gases. The new Part 2 standard presents the current knowledge and allows more accurate determination of the oxidizing ability for gas mixtures containing toxic and corrosive gases. Therefore reference should be made to Part 2 of the updated ISO Standard.

Proposal for the UN Model Regulations

Chapter 2.2

Add references to ISO Standards in 2.2.2.1 (b) (ii) and 2.2.3 (d) to read as follows:

- 2.2.2.1 (b)
  "(ii) are oxidizing- gases which may, generally by providing oxygen , cause or contribute to the combustion of other material more than air does **(see ISO 10156:1996 and ISO 10156-2:2005) ;** or …"

- 2.2.3 (d)
- "Oxidizing ability is determined either by tests or by calculation methods adopted by ISO **(see ISO 10156:1996 and ISO 10156-2:2005)."**

Proposal for the GHS

Chapter 2.4

Amend the references to ISO standards in 2.4.4.1 and 2.4.4.2 to read as follows:

- **2.4.4.1 Decision logic** To classify an oxidizing gas tests or calculation methods as described in ISO 10156:1996 and ISO 10156-2:2005. …

- **2.4.4.2 Example of the classification of an oxidizing gas mixture by calculation according to ISO 10156:1996 and ISO 10156-2:2005. …**
