

## 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

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Item 2(a) (ii) of the provisional agenda

### PROPOSALS OF AMENDMENTS TO THE RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS

#### Model Regulations on the Transport of Dangerous Goods

#### P200 filling ratio amendment for UN 2676 (stibine)

#### Comments from the European Industrial Gases Association (EIGA) to the INF paper 33 from the Compressed Gas Association (CGA)

#### **Introduction**

EIGA provides a suggestion to simplify the issue of potential decomposition of certain gases.

#### **Discussion**

There are several gases prone to decomposition and raising the potential pressure such as diborane, germane and stibine.

At the twenty-ninth session, a new special packing provision "r" was adopted, as follows, to apply to UN 2192 (germane):

"r: The filling ratio of this gas shall be limited such that, if complete decomposition occurs, the pressure does not exceed two thirds of the test pressure of the pressure receptacle."

CGA proposes to also apply special packing provision "r" to UN 2676 (stibine).

The possible decomposition of gas mixtures containing stibine was not addressed for all these gases and it was proposed to amend the sixth paragraph of special packing provision "z" :

"z: Mixtures containing UN 1911 diborane or UN2676 stibine shall be filled to a pressure such that, if complete decomposition of the diborane or stibine occurs, two thirds of the test pressure of the pressure receptacle shall not be exceeded."

**Proposal**

EIGA proposes to adapt the “r” gas specific to include mixtures and to delete the sixth paragraph of “z”

"r: The filling ratio of this gas **and its mixtures** shall be limited such that, if complete decomposition occurs, the pressure does not exceed two thirds of the test pressure of the pressure receptacle."

“r” will need to be added as special packing provision to UN 1911 diborane, UN 2192 germane and UN 2676 stibine

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