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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
Transport of Dangerous Goods

Thirtieth session
Geneva, 4-12 (a.m.) December 2006
Item 2(a) of the provisional agenda

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

Model Regulations on the Transport of Dangerous Goods

Salvage packagings

Transmitted by the European Industrial Gases Association (EIGA)

Introduction

The proposal ST/SG/AC.10/C.3/2006/1 about Salvage packagings was discussed at the twenty-ninth session. EIGA revised this proposal taking into account the comments made during the discussion.

Salvage packagings are defined in Chapter 1.2. Their use is submitted to conditions defined in 4.1.1.17.

Sub-section 4.1.11.17.1 refers to salvage packagings “mentioned in 6.1.5.1.11”. This reference to provisions of Chapter 6.1 only could give the impression that salvage packagings for pressure receptacles are not authorised.

EIGA proposes that sufficient requirements should be inserted in Chapter 6.2 for salvage packagings designed and constructed for the transport of packagings containing gases of Class 2. Those provisions should be referred to also in 4.1.1.17.1.

The requirements for the use of these salvage packagings should be added in sub-section 4.1.1.17.3. There are defined the filling conditions and which gases /receptacles can be transported in salvage packagings.

Proposal 1

Proposal 1a: Amend 4.1.1.17.1 to read as follows (new text is underlined):

“Damaged, defective, leaking or non-conforming packages, or dangerous goods that have spilled or leaked may be transported in salvage packagings mentioned in 6.1.5.1.11 and 6.2.1.1.9”

Proposal 1b: Add the following new sentences to 4.1.1.17.3:

“The contents of the damaged or leaking pressure receptacle shall be limited in pressure and volume so that if totally discharged into the salvage packaging, the pressure in the salvage packaging will not exceed the value of the filling requirements of P200, (3), of the salvage packaging. Appropriate measures shall be taken that there is no dangerous build up of pressure due to chemical reactions inside the salvage packaging. Pressure receptacle filled with UN 1001 acetylene, dissolved, and UN 3374 acetylene, solvent free shall not be transported in a salvage packaging.

Salvage packagings shall be operated by persons specifically trained for this purpose.”

Proposal 2

Add a new sub-section 6.2.1.1.9 to read as follows:

“6.2.1.1.9 *Salvage packagings*

6.2.1.1.9.1 Salvage packagings shall be:

- (a) designed and constructed in accordance with a pressure vessel code recognised by the competent authority of the country of approval;
the primary membrane stress in the shell shall not exceed 0.75 Re or 0.50 Rm, whichever is lower, at the test pressure, where
 - Re = yield strength, or 0.2% proof strength or, for austenitic steels 1% proof strength
 - Rm = minimum tensile strength;the material shall be compatible with the gases intended to be transported .
 - (b) equipped with gaskets, valves, gauges compatible with the gases intended to be transported;
 - (c) hydraulically tested at its test pressure before approval and afterwards every 10 years; and
 - (d) marked according to 5.2.1.”
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