

## 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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### LISTING, CLASSIFICATION AND PACKING

#### Materials compatibility requirements for gases in pressure receptacle

Transmitted by the expert from Germany

#### **Introduction**

1. This document intends to bring forward an additional aspect of materials compatibility requirements which will be considered on the basis of document ST/SG/AC.10/C.3/2009/30, submitted by the expert from the United Kingdom. For pressure receptacles the compatibility between the material(s) of the pressure receptacle and the content the pressure receptacle is intended for has to be checked according to section 6.2.2.2. Most of the design and testing standards referred to in chapter 6.2 comprise the same requirement or refer to the same standards as given in section 6.2.2.2.

2. Because the cylinder manufacturer at the design and approval stage mostly does not know which content the pressure receptacle will be used for, it is common practise that the (end) user of the pressure receptacle checks the material compatibility. In that case the type approval certificate for the pressure receptacle has to give the very important information that the material compatibility was not or not completely investigated during the type approval procedure and therefore still has to be checked prior to the first use of the pressure receptacle.

#### **Proposal**

3. Insert the following requirement in 6.2.2.5.4.9 (before the last sentence):

*"A reservation shall be included in the certificate if it was not possible to investigate the compatibility of all present materials with the pressure receptacle content exhaustively when the type approval was issued."*

#### **Additional information**

4. A similar requirement can be found in 6.8.2.3.1 of RID/ADR where the same problem was solved for RID/ADR-tanks by introducing this requirement.

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