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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

Thirty-fifth session
Geneva, 22-26 June 2009
Item 5 of the provisional agenda

**MISCELLANEOUS PROPOSALS OF AMENDMENTS TO THE MODEL
REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS**

Transport of different substances in the same tank compartment or the same tank

Transmitted by the expert from Germany¹

Introduction

1. There have been irregularities in the refilling of uncleaned empty portable tanks because they were filled with a substance which reacted with residues of the previous substance.
2. When a tank has been emptied and this uncleaned empty tank is refilled, it has to be ensured that another dangerous substance which is filled into the tank does not cause a dangerous reaction.

¹ In accordance with the programme of work of the Sub-Committee for 2009-2010 approved by the Committee at its fourth session (refer to ST/SG/AC.10/C.3/68, para. 118(d) and ST/SG/AC.10/36, para. 14).

Evaluation of the current provisions

3. The current provisions 4.2.1.6 only stipulates that substances which may react dangerously with each other shall not be carried in the same or in adjoining compartment of shells.

4. Thus, prior to refilling it has to be ensured that the new substance does not react dangerously with the residues of a substance in the uncleaned empty tank.

5. The current wording does not clearly convey this obligation. A clarification can therefore contribute to avoiding an inadmissible filling.

Proposal

6. Amend 4.2.1.6 to read as follows:

Substances shall not be carried in the same or in adjoining compartments of shells when they may react dangerously with each other and cause:

- (a) Combustion and/or evolution of considerable heat;
- (b) Evolution of flammable, toxic or asphyxiant gases;
- (c) The formation of corrosive substances;
- (d) The formation of unstable substances;
- (e) Dangerous rise in pressure.

When portable tanks are approved for different substances, the change of use shall include emptying, cleaning and degassing operations to the extent necessary for safe operation.
