

# Secretariat

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#### COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS <u>Sub-Committee of Experts on the</u> <u>Transport of Dangerous Goods</u> (Seventeenth session, Geneva, 6-17 December 1999, agenda item 5 (a))

#### MISCELLANEOUS DRAFT AMENDMENTS TO THE MODEL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS

# Listing and classification

#### Hydrazine hydrate and hydrazine, aqueous solution

#### **Transmitted by the expert from Canada**

#### **Background**

- 1. The decision taken at the 16th Session to divide the entry for UN 2030 into three packing groups has lead to a strange conundrum. How can hydrazine hydrate (CAS [7803-57-8]), an individual specific chemical compound, have different packing groups?
- 2. The existing entry for hydrazine hydrate in the 11th revised edition of the Modal Regulations is classified as Class 8 (6.1) packing group II. This compound is formed by the reaction of hydrazine with water and contains 64% hydrazine by mass.
- 3. Aqueous solutions of hydrazine and water where more than 64% hydrazine is present might be better described as "mixtures of hydrazine and hydrazine hydrate". Similarly, aqueous solutions with less than 64% hydrazine could be "Hydrazine hydride, aqueous solutions"
- 4. Canada suggests the following proposal to resolve this problem.

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# <u>Proposal</u>

5. (a) Add the following new listing to the Dangerous Goods List:

# "33XY HYDRAZINE HYDRATE...8...6.1...II....500 ml...T15...TP2/TP13";

(b) Remove the words "HYDRAZINE HYDRATE, or" from the proposed listing for UN 2030 on page 5 of ST/SG/AC.10/C.3/32/Add.2; and

(c) Amend the entry in the alphabetical index to read:

# "HYDRAZINE HYDRATE 8 33XY"

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