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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-third session
Geneva, 30 June-9 July (a.m) 2008
Item 4 of the provisional agenda

LISTING, CLASSIFICATION AND PACKING

Lithium hypochlorite, dry and mixtures (UN 1471)

Transmitted by the expert from the United States of America*

Background

1. Lithium hypochlorite is a common commercial product used as a disinfectant, often in swimming pools and spas. As far as the expert from the United States is aware, the only current producer of this material is located in the United States, but the product is shipped world-wide. Commercial lithium hypochlorite is invariably a granular mixture of lithium hypochlorite and various other organic salts that are non-dangerous - typically of approximately 30% lithium hypochlorite, by mass. In nearly 50 years experience in the transport of the commercial formulations of this material, no incidents have been reported.

2. The Dangerous Goods List entry for "LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE" (UN 1471) currently provides only for assignment of

* In accordance with the programme of work of the Sub-Committee for 2007-2008 approved by the Committee at its third session (refer to ST/SG/AC.10/C.3/60 para. 100 and ST/SG/AC.10/C.3/34, para. 14).

Packing Group II to these Division 5.1 mixtures. However, when tested according to the test method for oxidizing solids (Test O.1) in the UN Manual of Tests and Criteria, it has been determined that some common commercial mixtures meet the criteria for classification in Division 5.1, Packing Group III. Moreover, other formulations with greater concentrations of non-dangerous substances may not, when tested, meet the criteria for classification in Division 5.1. In light of this, the expert from the United States believes that the entry concerned (UN 1471) should be amended to provide for the possibility to classify mixtures of lithium hypochlorite in Packing Group III when appropriate according to the Division 5.1 classification criteria. To accomplish this, the expert from the United States proposes that a new Packing Group III line be added to the current entry for UN 1471 with appropriate limited/excepted quantity values, packing, and tank provisions.

Proposal

3. In light of the foregoing, it is proposed to add a new Packing Group III line to UN 1471 to read:

Column (3): "5.1"
Column (4): –
Column (5): "III"
Column (6): –
Column (7a): "5 kg"
Column (7b): "E1"
Column (8): "P002", "IBC08"
Column (9): "B3"
Column (10): "T1"
Column (11): "TP33"
