UNITED NATIONS **ST**

Secretariat

Distr.
GENERAL

ST/SG/AC.10/C.3/2006/93
10 September 2006

Original: ENGLISH

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

Portable tank assignments for toxic by inhalation liquids

Transmitted by the expert from the United States of America

Introduction

1. At its previous session the Sub-Committee considered portable tank instructions for UN1569, Bromoacetone (see ST/SG/AC.10/C.3/2006/57). The Sub-Committee agreed that portable tank instruction T20 and portable tank special provisions TP2 and TP13 were appropriate based on Bromoacetone's toxicity and vapour pressure. The assignment agreed to for Bromoacetone is in accordance with Part II of the Guiding Principles for the UN Model Regulations which addresses portable tank assignments and special provisions. The Guiding Principles specify that T20 shall be assigned to substances with an inhalation toxicity less than or equal to 1000 ml/m3 and saturated vapour concentration greater than or equal to 10 LC_{50}, and that T22 shall be assigned to substances with an inhalation toxicity less than or equal to 200 ml/m3 and a saturated vapour concentration greater than or equal to 500 LC_{50}.

2. The expert from the United States has undertaken a review of liquids considered to be toxic by inhalation and proposes that appropriate portable tank instructions be assigned based on each substance's vapour pressure and toxicity.

Proposals

3. Amend the portable tank instructions and special provisions as noted for the listed substances in annex.

* * * * *

Annex (ENGLISH ONLY)

Proposed Portable Tank Instructions for Toxic by Inhalation Liquids

					Current		Proposed	
UN #	**Name**	**Class**	**Sub Risk**	**PG**	**Instruction**	**Special Provisions**	**Instruction**	**Special Provisions**
Liquids with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapour concentration greater than or equal to 500 LC50:								
1092	ACROLEIN, STABILIZED	6.1	3	I	T14	TP2 TP7 TP13	T22	TP2, TP7, TP13
1185	ETHYLENEIMINE, STABILIZED	6.1	3	I			T22	TP2, TP13
1238	METHYL CHLOROFORMATE	6.1	3 8	I	T14	TP2 TP13	T22	TP2, TP13
1239	METHYL CHLOROMETHYL ETHER	6.1	3	I	T14	TP2	T22	TP2
1244	METHYLHYDRAZINE	6.1	3 8	I	T14	TP2 TP13	T22	TP2, TP13
1251	METHYL VINYL KETONE, STABILIZED	6.1	3 8	I	T14	TP2 TP13	T22	TP2, TP13
1834	SULPHURYL CHLORIDE	8		I	T20	TP2 TP12	T22	TP2, TP12
1994	IRON PENTACARBONYL	6.1	3	I			T22	TP2, TP13
2480	METHYL ISOCYANATE	6.1	3	I			T22	TP2, TP13
2481	ETHYL ISOCYANATE	3	6.1	I	T14	TP2 TP13	T22	TP2, TP13
2482	n-PROPYL ISOCYANATE	6.1	3	I	T14	TP2 TP13	T22	TP2, TP13
2483	ISOPROPYL ISOCYANATE	3	6.1	I	T14	TP2 TP13	T22	TP2, TP13
2484	tert-BUTYL ISOCYANATE	6.1	3	I	T14	TP2 TP13	T22	TP2, TP13
2486	ISOBUTYL ISOCYANATE	3	6.1	II	T8	TP2 TP13	T22	TP2, TP13, TP27
2605	METHOXYMETHYL ISOCYANATE	3	6.1	I	T14	TP2 TP13	T22	TP2, TP13

					Current		Proposed	
UN #	Name	Class	Sub Risk	PG	Instruction	Special Provisions	Instruction	Special Provisions
Liquids with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapour concentration greater than or equal to 10 LC50								
1098	ALLYL ALCOHOL	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
1135	ETHYLENE CHLOROHYDRIN	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	3 8	I	T14	TP2 TP13	T20	TP2, TP13
1182	ETHYL CHLOROFORMATE	6.1	3 8	I	T14	TP2 TP13	T20	TP2, TP13
1510	TETRANITROMETHANE	5.1	6.1	I			T20	TP2, TP13
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1560	ARSENIC TRICHLORIDE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1569	BROMOACETONE	6.1	3	II	T3	TP33	T20	TP2, TP13
1580	CHLOROPICRIN	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1595	DIMETHYL SULPHATE	6.1	8	I	T14	TP2 TP13	T20	TP2, TP13
1605	ETHYLENE DIBROMIDE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1		I			T20	TP2, TP13
1670	PERCHLOROMETHYL MERCAPTAN	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1672	PHENYLCARBYLAMINE CHLORIDE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
1695	CHLOROACETONE, STABILIZED	6.1	3 8	I	T14	TP2 TP13	T20	TP2, TP13
1722	ALLYL CHLOROFORMATE	6.1	3 8	I	T14	TP2 TP13	T20	TP2, TP13
1746	BROMINE TRIFLUORIDE	5.1	6.1 8	I	T22	TP2 TP12 TP13	T20	TP2, TP12, TP13
1752	CHLOROACETYL CHLORIDE	6.1	8	I	T14	TP2 TP13	T20	TP2, TP13
1809	PHOSPHORUS TRICHLORIDE	6.1	8	I	T14	TP2 TP13	T20	TP2, TP13
1810	PHOSPHORUS OXYCHLORIDE	8		II	T7	TP2	T20	TP2

					Current		Proposed	
UN #	Name	Class	Sub Risk	PG	Instruction	Special Provisions	Instruction	Special Provisions
1838	TITANIUM TETRACHLORIDE	8		II	T10	TP2 TP13	T20	TP2, TP13
1892	ETHYLDICHLOROARSINE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
2232	2-CHLOROETHANAL	6.1		I	T14	TP2 TP13	T20	TP2, TP13
2334	ALLYLAMINE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2337	PHENYL MERCAPTAN	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2407	ISOPROPYL CHLOROFORMATE	6.1	3 8	I			T20	TP2, TP13
2438	TRIMETHYL-ACETYL CHLORIDE	6.1	3 8	I	T14		T20	TP2, TP13
2442	TRICHLORO-ACETYL CHLORIDE	8		II	T7	TP2	T20	TP2
2474	THIOPHOSGENE	6.1		II	T7		T20	TP2
2477	METHYL ISOTHIOCYANATE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2485	n-BUTYL ISOCYANATE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2487	PHENYL ISOCYANATE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2488	CYCLOHEXYL ISOCYANATE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2521	DIKETENE, STABILIZED	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2606	METHYL ORTHOSILICATE	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
2644	METHYL IODIDE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
2646	HEXACHLOROCYCLO-PENTADIENE	6.1		I	T14	TP2 TP13	T20	TP2, TP13
2668	CHLOROACETONITRILE	6.1	3	II	T7	TP2	T20	TP2
2826	ETHYL CHLOROTHIOFORMATE	8	3	II	T7	TP2	T20	TP2
3023	2-METHYL-2-HEPTANETHIOL	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13
3079	METHACRYLONITRILE, STABILIZED	3	6.1	I	T14	TP2 TP13	T20	TP2, TP13
3246	METHANESULPHONYL CHLORIDE	6.1	8	I	T14	TP2 TP12 TP13	T20	TP2, TP12, TP13
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	3	I	T14	TP2 TP13	T20	TP2, TP13