



**Secretariat**

Distr.  
GENERAL

ST/SG/AC.10/C.3/2001/28  
18 April 2001

ORIGINAL : ENGLISH

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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**  
(Nineteenth session, 2-6 July 2001,  
agenda item 5(b))

**PACKAGINGS**

**Miscellaneous proposals**  
**IBC Packing instructions**

**Transmitted by the expert from the United States of America**

**Background**

1. After reviewing the IBC packing instruction assignments in the Dangerous Goods List the expert from the United States of America believes that some minor amendments need to be addressed by the Sub-Committee. IBC07 applies to Division 4.3, PG II, Division 6.1, PG I and several Class 8 PG I solid substances (see Annex for a list of assigned substances). Currently IBC07 allows all types of rigid IBCs except for fibreboard IBCs. The expert from the United States of America considers fibreboard IBCs to provide the same level of safety as other rigid IBCs especially when considering that fibreboard IBCs would be required to be transported in closed transport units and that they would be required to have siftproof liners. Considering that IBC07 currently allows composite IBCs with fibreboard outer bodies (e.g. 11HG2), it does not seem reasonable to prohibit fibreboard IBCs. Many of the substances that are assigned IBC07 in the UN Recommendations have been authorized to be transported in fibreboard IBCs in the US Hazardous Materials Regulations for many years. The expert from the United States of America has considered the transport safety implications and has reviewed the US transportation incident data base and has found no justification for excluding fibreboard IBCs in IBC07. The Sub-Committee is requested to consider this proposal.

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**Proposal**

3. In IBC07 add the following:

(5) Fibreboard (11G)

Under “**Additional requirement:**” the words “and fibreboard” should be added after the word “wooden”.

**Annex****Substances Assigned "IBC07" in the UN 12th edition**

UN No	Name	Class	Sub-Risk	PG	IBC	B
2624	MAGNESIUM SILICIDE	4.3		II	IBC07	B2
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		II	IBC07	B2
2830	LITHIUM FERROSILICON	4.3		II	IBC07	B2
1390	ALKALI METAL AMIDES	4.3		II	IBC07	B2
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3		II	IBC07	B2
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3		II	IBC07	B2
3078	CERIUM, turnings or gritty powder	4.3		II	IBC07	B2
1417	LITHIUM SILICON	4.3		II	IBC07	B2
1400	BARIUM	4.3		II	IBC07	B2
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3		II	IBC07	B2
1394	ALUMINIUM CARBIDE	4.3		II	IBC07	B2
1402	CALCIUM CARBIDE	4.3		II	IBC07	B2
1401	CALCIUM	4.3		II	IBC07	B2
1405	CALCIUM SILICIDE	4.3		II	IBC07	B2
1396	ALUMINIUM POWDER, UNCOATED	4.3		II	IBC07	B2
1436	ZINC POWDER or ZINC DUST	4.3	4.2	II	IBC07	B2
1699	DIPHENYLCHLOROARSINE, SOLID	6.1		I	IBC07	B1
1713	ZINC CYANIDE	6.1		I	IBC07	B1
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1		I	IBC07	B1
2570	CADMIUM COMPOUND	6.1		I	IBC07	B1
2316	SODIUM CUPROCYANIDE, SOLID	6.1		I	IBC07	B1
2471	OSMIUM TETROXIDE	6.1		I	IBC07	B1
1692	STRYCHNINE or STRYCHNINE SALTS	6.1		I	IBC07	B1
2628	POTASSIUM FLUOROACETATE	6.1		I	IBC07	B1
2629	SODIUM FLUOROACETATE	6.1		I	IBC07	B1
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1		I	IBC07	B1
1689	SODIUM CYANIDE	6.1		I	IBC07	B1
1680	POTASSIUM CYANIDE	6.1		I	IBC07	B1
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		I	IBC07	B1
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		I	IBC07	B1
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1		I	IBC07	B1
1575	CALCIUM CYANIDE	6.1		I	IBC07	B1
1570	BRUCINE	6.1		I	IBC07	B1
1565	BARIUM CYANIDE	6.1		I	IBC07	B1

UN No	Name	Class	Sub-Risk	PG	IBC	B
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1		I	IBC07	B1
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1		I	IBC07	B1
1626	MERCURIC POTASSIUM CYANIDE	6.1		I	IBC07	B1
3048	ALUMINIUM PHOSPHIDE PESTICIDE	6.1		I	IBC07	B1
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
3285	VANADIUM COMPOUND, N.O.S.	6.1		I	IBC07	B1
3284	TELLURIUM COMPOUND, N.O.S.	6.1		I	IBC07	B1
3283	SELENIUM COMPOUND, N.O.S.	6.1		I	IBC07	B1
3282	ORGANOMETALLIC COMPOUND, TOXIC, N.O.S., solid	6.1		I	IBC07	B1
3281	METAL CARBONYLS, N.O.S., solid	6.1		I	IBC07	B1
3280	ORGANOARSENIC COMPOUND, N.O.S., solid	6.1		I	IBC07	B1
3278	ORGANOPHOSPHORUS COMPOUND, TOXIC, N.O.S., solid	6.1		I	IBC07	B1
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		I	IBC07	B1
2630	SELENATES or SELENITES	6.1		I	IBC07	B1
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		I	IBC07	B1
2642	FLUOROACETIC ACID	6.1		I	IBC07	B1
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1

UN No	Name	Class	Sub-Risk	PG	IBC	B
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1		I	IBC07	B1
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1		I	IBC07	B1
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8		I	IBC07	B1
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		I	IBC07	B1
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8		I	IBC07	B1
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8		I	IBC07	B1
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8		I	IBC07	B1
1905	SELENIC ACID	8		I	IBC07	B1
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8		I	IBC07	B1
1759	CORROSIVE SOLID, N.O.S.	8		I	IBC07	B1
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8		I	IBC07	B1