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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.

GE.01-

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 |