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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****Forty-fourth session**

Geneva, 25 November – 4 December 2013

Item 8 of the provisional agenda

**Global harmonization of transport of dangerous goods regulations  
with the Model Regulations****Packagings for water-reactive materials****Transmitted by the expert from Germany<sup>1</sup>****Introduction**

1. The Sub-Committee, at its forty-third session, dealt with the report of the Editorial and Technical Group of the IMO Sub-Committee on Dangerous Goods, Solid Cargoes and Containers (DSC) (informal INF.33). For the thirty-seventh amendment of the IMDG Code, amendments to the conditions of transport for substances which react dangerously with water are envisaged. The amendments are the result of proposals developed on the basis of a research project on the subject “The Safe Sea Transport of Dangerous Goods which react dangerously with Water and/or Carbon Dioxide”. As one outcome of this research project, improved requirements with a view to the potential effects of moisture on the packaging were recommended.

2. On the basis of document DSC 17/11, the following amendments were included in the draft of the 37<sup>th</sup> amendment of the IMDG Code.

**Packagings**

Add PP31 to the following UN Nos.:

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2013–2014 approved by the Committee at its sixth session (see ST/SG/AC.10/C.3/84, para. 86 and ST/SG/AC.10/40, para. 14).

1396 (PG II), 1402 (PG II), 1409 (PG II), 1418 (PG II and III), 1436 (all PGs), 3131 (PG II and III), 3132 (PG II and III), 3134 (PG II and III), 3135 (PG II and III), 3395 (PG II and III), 3396 (PG II and III) and 3397 (PG II and III).

Special packing provision PP31 should be amended accordingly.

Add PP31 and PP40 to the following UN Nos.:

1395, 1396 (PG III), 1398 and 1403.

Special packing provisions PP31 and PP40 should be amended accordingly.

Add a new special packing provision PP100 to UN Nos. 1309, 1323, 1333, 1376, 1408, 1435, 1449, 1457, 1472, 1476, 1483, 1509, 1516, 1567, 1869, 2210, 2793, 2858, 2878, 2950, 2968, 3089, 3096, 3125 to read as follows:

"For UN Nos. 1309, 1323, 1333, 1376, 1408, 1435, 1449, 1457, 1472, 1476, 1483, 1509, 1516, 1567, 1869, 2210, 2793, 2858, 2878, 2950, 2968, 3089, 3096 and 3125, flexible,

fibreboard or wooden packagings shall be sift-proof and water-resistant or shall be fitted with a sift-proof and water-resistant liner."

## **IBCs**

Replace special IBC provision "B3" with "B4" in column 11 of the Dangerous Goods List for the following PG III entries:

UN 1309, 1376, 1483, 1869, 1932, 2008, 2545, 2546, 2793, 2878, 2881 and 3189.

Add special IBC provision "B4" in Column 11 of the Dangerous Goods List for the following PG II entries:

UN 1390, 1393, 1394, 1396, 1400, 1401, 1402, 1405, 1417, 2624, 2813, 2830, 3078, 3170, and 3208.

## **Large packagings**

Add a new special large-packing provision L3 to PG III entries of UN Nos. 1309, 1376, 1483, 1869, 2793, and 2878, to read as follows:

"For UN Nos. 1309, 1376, 1483, 1869, 2793, 2858 and 2878, flexible or fibre inner packagings shall be sift-proof and water-resistant or shall be fitted with a sift-proof and water-resistant liner."

Add a new special large-packing provision L4 to PG III entries of UN Nos. 1932, 2008, 2009, 2545, 2546, 2881 and 3189, to read as follows:

"For UN Nos. 1932, 2008, 2009, 2545, 2546, 2881 and 3189 flexible or fibre inner packagings shall be hermetically sealed."

## **Further information**

3 The expert from Germany is pleased to fulfil the Sub-Committee's (see para. 88 of ST/SG/AC.10/C.3/86) request for further information in this regard. The relevant DSC documents are included in the following informal documents.

- Inf.3 DSC 16/INF.2 - contains the full version of the Report on the Formal safety Assessment "The Safe Sea Transport of Dangerous Goods which react dangerously with Water and/or Carbon Dioxide" commissioned by Germany
- Inf.4 E DSC 16/6 - contains a summary of the Report on the Formal safety Assessment "The Safe Sea Transport of Dangerous Goods which react dangerously with Water and/or Carbon Dioxide" commissioned by Germany
- Inf.4 F
- Inf.5 E DSC 17/11 - contains proposals for amending the IMDG Code which result from the Formal Safety Assessment "The Safe Transport of Dangerous Goods which react dangerously with Water and/or Carbon Dioxide" commissioned by Germany. The proposals concern packing, stowage and segregation requirements.
- Inf.5 F
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