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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 3 of the provisional agenda

PERFORMANCE OF PACKAGINGS, INCLUDING IBCS

IBC Packing Instructions for solids

Transmitted by the expert from the United Kingdom*

Background

1. At the September 2007 of the RID/ADR/ADN Joint Meeting, the secretariat of the Intergovernmental Organization for International Carriage by Rail (OTIF) submitted a proposal (ECE/TRANS/WP.15/AC.1/2007/6) identifying several discrepancies with the transport requirements for Intermediate Bulk Containers (IBCs).
2. This has prompted the expert from the United Kingdom to review the IBC packing instructions in the UN Model Regulations, and this review has revealed inconsistencies with packing instructions IBC 04 to IBC 08.
3. According to the Guiding Principles, packing instructions IBC 04 to IBC 08 are allocated to solids, but each allow the use of many IBC types only permitted for liquids, including 31HZ2, which, according to section 6.5.1.4.3 of the UN Model Regulations, is a composite IBC “for liquids, with a flexible inner receptacle”. All IBCs with the code 31 are for liquids.

* 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)

4. It is therefore suggested that reference to IBCs for liquids are deleted and an additional requirement is added to packing instructions IBC04 to IBC 08 to identify that where solid substances are likely to become liquid they should refer to section 4.1.3.4 of the UN Model Regulations, as this would align with packing instruction P002.

Proposal

5. Amend packing instruction IBC 04 to IBC 08 as shown below.

*Note: **Special Packing Provisions** are NOT changed and so have been left off the packing instructions below.*

IBC04	PACKING INSTRUCTION	IBC04
The following IBCs are authorized, provided the general provisions of 4.1.1, 4.1.2 and 4.1.3 are met:		
Metal (11A, 11B, 11N, 21A, 21B, and 21N, 31A, 31B and 31N).		
<p>Additional requirements Where the solid may become liquid during transport see 4.1.3.4</p>		

IBC05	PACKING INSTRUCTION	IBC05
The following IBCs are authorized, provided the general provisions of 4.1.1, 4.1.2 and 4.1.3 are met:		
(1) Metal (11A, 11B, 11N, 21A, 21B, and 21N, 31A, 31B and 31N);		
(2) Rigid plastics (11H1, 11H2, 21H1, and 21H2, 31H1 and 31H2);		
(3) Composite (11HZ1, 21HZ1 and 31HZ1).		
<p>Additional requirements Where the solid may become liquid during transport see 4.1.3.4</p>		

IBC06	PACKING INSTRUCTION	IBC06
The following IBCs are authorized, provided the general provisions of 4.1.1 , 4.1.2 and 4.1.3 are met:		
(1) Metal (11A, 11B, 11N, 21A, 21B, and 21N 31A, 31B and 31N);		
(2) Rigid plastics (11H1, 11H2, 21H1, and 21H2 31H1 and 31H2);		
(3) Composite (11HZ1, 11HZ2, 21HZ1, and 21HZ2 31HZ1 and 31HZ2).		
<p>Additional requirements Where the solid may become liquid during transport see 4.1.3.4</p>		

IBC07	PACKING INSTRUCTION	IBC07
<p>The following IBCs are authorized, provided the general provisions of 4.1.1, 4.1.2 and 4.1.3 are met:</p> <ol style="list-style-type: none"> (1) Metal (11A, 11B, 11N, 21A, 21B, <u>and</u> 21N 31A, 31B and 31N); (2) Rigid plastics (11H1, 11H2, 21H1, <u>and</u> 21H2 31H1 and 31H2); (3) Composite (11HZ1, 11HZ2, 21HZ1, <u>and</u> 21HZ2 31HZ1 and 31HZ2); (4) Wooden (11C, 11D and 11F). 		
<p>Additional requirements Where the solid may become liquid during transport see 4.1.3.4</p>		

IBC08	PACKING INSTRUCTION	IBC08
<p>The following IBCs are authorized, provided the general provisions of 4.1.1, 4.1.2 and 4.1.3 are met:</p> <ol style="list-style-type: none"> (1) Metal (11A, 11B, 11N, 21A, 21B, <u>and</u> 21N 31A, 31B and 31N); (2) Rigid plastics (11H1, 11H2, 21H1, <u>and</u> 21H2 31H1 and 31H2); (3) Composite (11HZ1, 11HZ2, 21HZ1, <u>and</u> 21HZ2 31HZ1 and 31HZ2); (4) Fibreboard (11G); (5) Wooden (11C, 11D and 11F); (6) Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 and 13M2). 		
<p>Additional requirements Where the solid may become liquid during transport see 4.1.3.4</p>		