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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

Twenty-eighth session, 28 November-7 December 2005
Item 3 (c) of the provisional agenda

PACKAGINGS (including IBCs and large packagings)

Miscellaneous proposals

UN 2059 Nitrocellulose solution, flammable - Packing Groups II and III

Transmitted by the expert from the United Kingdom

1. The expert from the United Kingdom notes that UN 2059 NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose is currently forbidden in the Model Regulations for carriage in IBCs. It is proposed that such transport should now be permitted.
2. Prior to alignment with the Model Regulations, carriage in IBCs was permitted in RID/ADR until 2001 and current US regulations (49CFR 173.242(d), IB2, IB3) still permit carriage in IBCs in the equivalent of UN packing instructions IBC02 (PGII) and IBC03 (PGIII). The Model Regulations also permit the transport of UN 2059 in tanks in all Packing Groups.
3. According to data available to the expert from the United Kingdom, the vapour pressure of this substance at the Packing Group II level is 44kPa at 55 °C (37kPa at 50 °C). As the threshold for not permitting dangerous liquids in IBCs on the basis of vapour pressure is that they should not exceed 110kPa at 50 °C or 130kPa at 55 °C, there does not appear to be a sound reason for prohibiting transport in IBCs of UN 2059 on the basis of its vapour pressure. The expert from the United Kingdom is not aware of any other justification for prohibiting the use of IBCs.
4. Some sectors of industry have expressed a desire to carry this substance in IBCs and the expert from the United Kingdom sees no reason why this should not be permitted. It is therefore proposed

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that the use of IBCs for Packing Groups II and III of UN 2059 should be permitted as shown in the proposal below.

Proposal:

Amend the Dangerous Goods List by adding IBC02 to Column 8 for PGII and IBC03 to column 8 for PGIII as shown:

UN No.	Name and description	Class or division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs	
							Packing instruction	Special packing provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3		I	198	NONE	P001	
		3		II	198	1 L	P001 IBC02	
		3		III	198	1 L	P001 IBC02	