



Secretariat

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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-first session

Geneva, 25 June – 4 July 2012

Item 2 (f) of the provisional agenda

Explosives and related matters: miscellaneous

Ammonium nitrate - IBCs

**Transmitted by the Australian Explosives Industry Safety Group
(AEISG)¹**

Introduction

1. This paper contains proposals to permit the transport of ammonium nitrate UN 0222, Hazard Division 1.1, in IBCs in a manner similar to other like explosives.

Discussion

2. Packing Instruction IBC08 is permitted for Ammonium Nitrate, UN1942, Hazard Division 5.1, with associated Special Packing Provision B3 (B3 Flexible IBCs shall be sift-proof and water resistant or shall be fitted with a sift-proof and water resistant liner).

3. Packing Instruction IBC100 is permitted for explosives of Divisions 1.1 and 1.5 (refer UN0082, 0241, 0331, 0332). For UN0082, Special Packing Provision B9 is applicable (B9: For UN0082, this packing instruction may only be used when the substances are mixtures of ammonium nitrate or other inorganic nitrates with other combustible substances which are not explosives ingredients. Such explosives shall not

¹ In accordance with the programme of work of the Sub-Committee for 2011-2012 approved by the Committee at its fifth session (refer to ST/SG/AC.10/C.3/76, para. 116 and ST/SG/AC.10/38, para. 16).

contain nitroglycerine, similar liquid organic nitrates, or chlorates. Metal IBCs are not authorised).

4. It is considered a similar IBC provision could be included for Ammonium Nitrate, UN0222, using UN0082 as an analogy, and that both special packing provisions B3 and B9 should be included.

Proposal

5. It is proposed to include IBC100 Packing Instruction for Ammonium Nitrate, UN0222, as permitted for other explosives, and retain associated Special Packing Provisions B3 and B9 used for Ammonium Nitrate, UN1942, and Explosives Blasting Type B, UN0082 respectively, as indicated below.

<i>UN No.</i>	<i>Name and description</i>	<i>Class or division</i>	<i>Subsidiary risk</i>	<i>UN packing group</i>	<i>Special provisions</i>	<i>Limited and excepted quantities</i>	<i>Packagings and IBCs</i>		<i>Portable Tanks and bulk containers</i>	
							<i>Packing Instruction</i>	<i>Special Packing provisions</i>	<i>Instructions</i>	<i>Special provisions</i>
0222	AMMONIUM NITRATE with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusin of any other added substance	1.1D				0 E0	P112(b) P112(c) IBC100	PP47 B3, B9		

6. There would be consequential amendments required to Packing Instruction IBC100:
UN0222 should be added to the UN Numbers to which it applies; and Special Packing Provision B3 should be added.