



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

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Item 3 (a) of the provisional agenda

**Listing, classification and packing: proposals of amendments
to the list of dangerous goods of Chapter 3.2**

Ammonium nitrate description

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

Introduction

1. There are two entries for ammonium nitrate in the Dangerous Goods List in Chapter 3.2 of the Model Regulations, and they have different criteria for describing the combustible content. This paper proposes to standardise this description.

<i>UN No.</i>	<i>Name and description</i>	<i>Class or division</i>
1942	AMMONIUM NITRATE, with not more than 0.2% total combustible material, including any organic substance, calculated as carbon to the exclusion of any other added substance	5.1
0222	AMMONIUM NITRATE with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D

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).

2. The names and descriptions for the ammonium nitrate entries contained in Column 2 of the Dangerous Goods List are not consistent, despite the 0.2% organic carbon level being used as one of the determining factors between the two entries.

Discussion

3. As a result of the placement of the commas in the descriptions for the two ammonium nitrate entries, the 0.2% combustible materials/substances level is measured in two different ways.
4. In UN1942, the combustible material, including any organic substance, is all calculated as carbon.
5. In UN0222, the combustible substances include organic substances calculated as carbon, i.e combustible substances (other than organic) are not calculated as carbon. This would lead to different analyses and different, non-comparable results.

Proposal

6. It is proposed to EITHER:
 - (a) Amend the entry for Ammonium Nitrate, UN0222, in Column 2 of the Dangerous Goods List so that it is consistent with the Column 2 entry for Ammonium Nitrate, UN1942. It would therefore read:

“AMMONIUM NITRATE with more than 0.2% combustible material, including any organic substance, calculated as carbon to the exclusion of any other added substance”;
 - or
 - (b) Amend the entry for Ammonium Nitrate, UN1942, in Column 2 of the Dangerous Goods List so that it is consistent with the Column 2 entry for Ammonium Nitrate, UN0222. It would therefore read:

“AMMONIUM NITRATE with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance”.