



**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-third session**

Geneva, 24–28 June 2013

Item 2 (f) of the provisional agenda

Explosives and related matters: miscellaneous**Classification of ammonium nitrate – new SP370****Transmitted by the Australian Explosives Industry Safety Group
(AEISG)¹****Introduction**

1. At the forty-first session AEISG proposed broadening the entry for Ammonium Nitrate UN0222 in the Dangerous Goods List in Chapter 3.2 of the Model Regulations to include 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, but which gives a positive response when tested in accordance with UN test series 2 (refer ST/SG/AC.10/C.3/2012/20).

2. The Sub-Committee of Experts agreed with this principle and approved the following amendments to the 17th revised edition of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, as outlined in Annex II of the Addendum to its Report (ST/SG/AC.10/C.3/82/Add.1):

Chapter 3.2

UN 0222 Amend column (2) to read “AMMONIUM NITRATE”. In column (6) insert “[370]”.

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

Chapter 3.3

Add a new special provision to read as follows:

“[370] This entry applies to:

- ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance; and
- ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, that are not too sensitive for acceptance into Class 1 when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942.”.

Discussion

3. AEISG believes the proposed new special provision [370] currently contains an error and should, in its second dot point, read:

“- ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, **that is not too insensitive for acceptance into Class 1** when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942.”.

as UN Test Series 2 answers the question ‘Is the substance too **insensitive** for inclusion in Class 1?’.

Proposal

4. It is proposed to amend the second dot point of the new special provision [370] to read:

“- ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, **that is not too insensitive for acceptance into Class 1** when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942.”.

or

“- ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, **that gives a positive (+) result** when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942.”.
