



Secretariat

Distr.

GENERAL

ST/SG/AC.10/C.3/2001/23

12 April 2001

ORIGINAL : ENGLISH

**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**
(Nineteenth session, 2-6 July 2001,
agenda item 8 (b))

EXPLOSIVES, SELF-REACTIVE SUBSTANCES AND ORGANIC PEROXIDES

Classification of ammonium nitrate emulsions, suspensions and gels

New entry for Ammonium Nitrate Emulsions in Class 1

Transmitted by the expert from Sweden

1. BACKGROUND

During the twenty-first session of the Committee of Experts on the Transport of dangerous Goods, December 2000, it was decided to create a new entry for Ammonium Nitrate Emulsions, suspensions or gels, intermediate for blasting explosives (ANE:s), in 5.1 (UN No. 3375).

It was further decided to have a working group meeting during the spring of 2001 to discuss and give suggestions for suitable test methods to be used when assigning substances to this new entry.

2. JUSTIFICATION

When testing candidates for UN No. 3375, a number of the substances will show such properties that they should be classified in Division 1.5. However, there exist no suitable entry in 1.5, neither is it allowed to transport such substances in tanks.

GE.01-

The author believe that as a consequence of the decision to assign UN No. 3375 for ANE:s it is logical to have a similar entry in Class 1 which allows tank transport for such substances.

3. PROPOSAL

3.1 To create a new entry in 1.5 D as follows:

UN No. (1)	Name and description (2)	Class or Division (3)	Subsidiary risk (4)	UN packing group (5)	Special provisions (6)	Limited quantities (7)	Packagings and IBC's		Portable tanks	
							Packing instruction (8)	Special provision (9)	Portable tank instruction (10)	Portable tank special provision (11)
05xy	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	1.5	D	III	309 3XY	NONE	P101		TXXX	TP9

3.2 Create a new special provision 3XY as follows:

This entry may only be used for substances that do exhibit explosive properties of Class 1 when tested in accordance to Test Series 1 and 2 of Class 1 or for those substances that do not pass the 8(b), 8(c) or 8(d) tests (see *Manual of Tests and Criteria*, Part I).

3.3 Create a new portable tank instruction TXXX as follows:

Portable tank instruction	Minimum test pressure (bar)	Minimum shell thickness	Pressure-relief requirements	Bottom opening requirements
TXXX	1.5	See 6.7.2.4.2	Normal	See 6.7.2.6.3

This portable tank instruction have the same properties as T2.

4. Consequential amendments to 4.2.4.2

As a consequence of the proposal 4.2.4.2 need to be amended in such a way that tank transport is allowed for ANE:s. The authors suggestion of this amendment is as follows:

- 1) Change the first sentence of 4.2.4.2.1 to read "Portable tank instructions apply to dangerous goods of all Classes.
- 2) Create a new 4.2.4.2.2 to read "Of the substances in Class 1, only Ammonium nitrate emulsions, suspensions or gels according to UN No 05xy are allowed to be transported in tanks. This substance are assigned to portable tank instruction TXXX.