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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

Thirty-fifth session  
Geneva, 22–26 June 2009  
Item 3 of the provisional agenda

**LISTING, CLASSIFICATION AND PACKING**

Classification of nitroglycerin solution in alcohol

Transmitted by the International Air Transport Association (IATA)<sup>1</sup>

**Background**

1. There are currently two entries in the Dangerous Goods List for NITROGLYCERIN SOLUTION IN ALCOHOL, UN 0144 that has the qualifying text “with more than 1% but not more than 10% nitroglycerin” that is classified in Division 1.1D and UN 3064 that has the qualifying text “with more than 1% but not more than 5% nitroglycerin” that is classified in Class 3.
2. Recently a question was posed by a consignor as to the correct classification of nitroglycerin solution in alcohol with between 1% and 5% nitroglycerin, where it would appear that it could be classified as either in Division 1.1D, or as Class 3.

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2009-2010 approved by the Committee at its fourth session (refer to ST/SG/AC.10/C.3/68, para. 118(b) and ST/SG/AC.10/36, para. 14).

3. In researching an answer to the question it was identified that the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) has assigned Special Provision 500 to UN 0144. Special Provision 500 reads as follows:

“500 UN No. 3064 nitroglycerin, solution in alcohol with more than 1% but not more than 5% nitroglycerin, packed in accordance with packing instruction P300 of 4.1.4.1, is a substance of Class 3.”

4. P300 is specific to UN 3064 and limits the quantity of material to 1 L per inner packaging, with a maximum of 5 L per package. The inner and outer packagings permitted by P300 is also lesser than those permitted by P115 that is assigned to UN 0144. However it would appear that ADR provides at least a clear identification for solutions of nitroglycerin in alcohol that contain between 1% and 5% nitroglycerin.

### **Proposal**

5. The Sub-Committee and/or explosive working group is invited to consider if a new special provision should be assigned to UN 0144 to reflect the wording of SP 500 from ADR.

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