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COMMITTEE OF EXPERTS ON THE  
TRANSPORT OF DANGEROUS GOODS

(Twentieth session,  
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agenda item 2 (c)(ii))

WORK OF THE SUB-COMMITTEE OF EXPERTS  
ON THE TRANSPORT OF DANGEROUS GOODS

Draft amendments to the Recommendations  
on the Transport of Dangerous Goods

Model Regulations on the Transport of Dangerous Goods

Proposal for a new entry for hydrazinium-nitroformate in Class 1.1D

Transmitted by the Expert from the Netherlands

**Introduction**

1. At the fifteenth session of the Sub-Committee of Experts a Netherlands proposal for a new entry for hydrazinium-nitroformate (HNF) in Class 1.1D was discussed. (Document number ST/SG/AC.10/C.3/1998/68).

It was proposed to assign a UN number for phlegmatized HNF. It was outlined that the "normal" phlegmatizers did not lead to the desired reduced sensitiveness and that a phlegmatizer of the gel-type had to be used. For technical reasons, the amount of HNF was limited to an amount of 40%. A higher content of solid material would lead to a mixture which ca not be processed.

2. The expert from the Netherlands indicated during the presentation of proposal ST/SG/AC.10/C.3/1998/68 that research was being performed in an attempt to obtain a higher solid load. If the attempts were successful, the sensitiveness of those formulations needs to be established subsequently. However, until now it was not possible obtain a practicable mixture with a higher solid load.

3. It is therefore proposed assign a UN number for HNF according to the original proposal. For the data sheet giving the relevant safety properties, please refer to ST/SG/AC.10/C.3/1998/68. For convenience the proposals are repeated in the next paragraphs.

### Proposal

4. It is proposed to include an entry XXXX in the dangerous goods list of Chapter 3.2 of the Model Regulations according to the following proposal.

UN No.	Name and Description	Class or division	Subsidiary Risks	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instruction	Portable tank special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
XXXX	HYDRAZINIUM-NITROFORMATE (HNF), DESENSITIZED, with not less than 60% phlegmatizer of the gel type	1.1D			266, YYY		112			

5. Insert a new special provision in Chapter 3.3 of the Model Regulations reading:

YYY The substance shall be packed so that the percentage of phlegmatizer will not fall below that stated, at any time during transport.

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