

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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EXPLOSIVES AND RELATED MATTERS

2.1.3.5.5 Default fireworks classification table

Shot tube

Transmitted by the expert from Sweden

Introduction

1. In the proposal ST/SG/AC.10/C.3/2009/12, the Spanish expert has noticed the incongruities in the present Default fireworks classification table, which may result in incorrect classification of Shot tubes. The Spanish expert also proposes an amendment.
2. The Swedish expert agrees with the Spanish expert that:
 - There are incongruities in the table regarding Shot tubes, and
 - A Shot tube should be classified as 1.1G, if the content of flash composition is more than 25%.
3. However, the Spanish proposal does not address all incongruities in the table regarding Shot tubes.
4. There are seven possible specifications of Shot tubes that determine the classification of Shot tubes. These seven specifications and the corresponding classification are listed in the table below.

Specification of Shot tubes and corresponding proper classification

Inner diameter (mm)	Pyrotechnic unit (g)	Flash composition (%)	Classification
> 30	-	-	As for shell in mortar
≤ 30	≤ 25	≤ 5	1.4 G
≤ 30	≤ 25	> 5 but ≤ 25	1.3 G
≤ 30	≤ 25	> 25	1.1 G
≤ 30	> 25	≤ 5	1.3 G
≤ 30	> 25	> 5 but ≤ 25	1.3 G
≤ 30	> 25	> 25	1.1 G

Proposal

5. Considering the table above and to facilitate the application of the default fireworks classification table, the Swedish expert proposes to amend the entry for Shot tube in 2.1.3.5.5 to read as follows:

Type	Includes/Synonym	Definition	Specification	Classification
Shot tube	Single shot Roman candle, small preloaded mortar	Tube containing a pyrotechnic unit consisting of pyrotechnic composition, propellant charge with or without transmitting fuse	> 30 mm inner diameter	As for shell in mortar
			≤ 30 mm inner diameter and > 25% flash composition	1.1 G
			≤ 30 mm inner diameter and > 5% but ≤ 25% flash composition	1.3 G
			≤ 30 mm inner diameter and pyrotechnic unit > 25 g	1.3 G
			≤ 30 mm inner diameter, pyrotechnic unit ≤ 25 g and ≤ 5% flash composition	1.4 G