

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

14 June 2021

Sub-Committee of Experts on the Transport of Dangerous Goods

Fifty-eighth session

Geneva, 28 June-2 July 2021

Item 2 (i) of the provisional agenda

Explosives and related matters: miscellaneous

Review of 2.1.3.5.5 Default firework classification table in relation to new and novel firework compositions

Transmitted by the expert from the United Kingdom

Introduction

1. Over the past 36 months the United Kingdom has seen an increase in Competent Authority Document applications containing new and novel firework compositions. These applications seek to apply the 2.1.3.5.5 Default fireworks classification table to these new and novel firework compositions, which have a potential increase in the energetic performance compared to more traditional compositions.
2. One example that illustrates this issue is a recent application for a 660 g fountain that contained Nitrocellulose, Ammonium Perchlorate and Titanium. Which is potentially far more energetic than a traditional black powder fountain, depending on the initiation stimuli.

Proposal

3. We would like to identify if any other EWG members are having the same issues and if any other EWG members would be open to sharing information on this topic in support of a working document reviewing the 2.1.3.5.5 Default fireworks classification table for new and novel compositions, for the fifty-ninth session of Sub-Committee of Experts on the Transport of Dangerous Goods (TDG).
-