

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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Item 4 of the provisional agenda

Listing, Classification and Packing

Proposal for a new UN number and special provision for a new type of confetti-shooters

Transmitted by the expert from Germany

This document contains a revised proposal on confetti shooters (see ST/SG/AC.10/C.3/2010/64 and INF 18).

Proposal:

Create a new entry (UN 3XXX) in Class 2:

(a) Add a new entry to the Dangerous Goods List, as follows:

UN No.	Name and description	Class or division	Subsidiary risk	UN Packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instructions	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
3XXX	Articles containing pressurized receptacles	2.2			3XX	0	E0	P003			

(b) Add a new Special Provision 3XX in Chapter 3.3:

“**3XX** (1) Articles, containing small pressure receptacles, intended to function as confetti-shooters, shall meet the following requirements:

(a) The pressure receptacle shall be filled with compressed air or nitrogen only;

(b) The gas space capacity of the pressure receptacle shall not exceed 0.5 litres and the charge pressure shall not exceed 25 bar at 20 °C;

(c) The minimum burst pressure of the pressure receptacle shall be at least four times the charge pressure of the gas at 20 °C;

(d) Each article shall be manufactured in such a way that unintentional firing is avoided under normal conditions of handling, packing, transport and use. This may be fulfilled by a locking device in addition to the usual activator (e.g. slewable ring or bottom part);

(e) Each article shall be manufactured in such a way to prevent that the pressure receptacle can rocket backward through the bottom of the article and that the metal clack or fragments of the pressure receptacle can catapult during activation of the article;

(f) Each pressurised receptacle shall be manufactured from material which will not fragment upon rupture;

(g) The design type of the article shall be subjected to a fire test (similar to UN test 6 (c)). It shall be demonstrated that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, in such a way that the article will not fragment and that the article or fragments do not rocket more than 10 metres; and

(h) The design type of the article shall be subjected to a single package test (similar to UN test 6 (d)). There shall be no hazardous effects outside the package from accidental activation of one article or initiation of the contents. Evidence of hazardous effects outside the package includes the disruption of the package, metal fragments or receptacles which pass through the packaging.

(i) Each article shall be marked with the name or another identification mark of the manufacturer and the date (YYYY-MM-DD) of manufacture.

(2) The manufacturer shall produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer shall apply procedures to ensure that shooters produced in series are made of good quality, conform to the design type and are able to meet the requirements in (1). The manufacturer shall provide such information to the Competent Authority on request.

(3) Articles conforming to the requirements in (1) and (2) are not subject to these Regulations if packed according to P 003 in packagings not exceeding 30 kg gross mass.”.