



**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****Fifty-fifth session**

Geneva, 1-5 July 2019

Item 3 of the provisional agenda

Listing, classification and packaging**Organic peroxides, new formulations to be listed in 2.5.3.2.4
and portable tank instruction T23****Transmitted by the European Chemical Industry Council (CEFIC)*****Introduction**

1. Since new organic peroxide formulations have become commercially available, there is a need to update the list under 2.5.3.2.4 and portable tank instruction T23. A list of new products, proposed classification, the accompanying competent authority approval references and a summary of the supporting test data are given in the Annex to this document.

Proposals

2. CEFIC proposes to include a new entry in the list of currently assigned organic peroxide under 2.5.3.2.4 and a new entry to portable tank instruction T23 in 4.2.5.2.6 as follows:

* In accordance with the programme of work of the Sub-Committee for 2019-2020 approved by the Committee at its ninth session (see ST/SG/AC.10/C.3/108, paragraph 141 and ST/SG/AC.10/46, paragraph 14)

Amendments to 2.5.3.2.4, list of currently assigned organic peroxides

Add the following new entry for “ACETYL ACETONE PEROXIDE”:

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B ¹ (%)	Inert solid (%)	Water (%)	Packing Method	Control tempe- rature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary hazards and remarks
"	≤35	≥ 57			≥ 8	OP8			3107	32)

In the list of “notes on 2.5.3.2.4” add the following entry:

“32) Active oxygen ≤ 4.15%”

Amendments to 4.2.5.2.6, portable tank instruction T23

For UN No. 3109 “ORGANIC PEROXIDE, TYPE F, LIQUID” add “tert-Butyl hydroperoxide, not more than 56% with diluent type B^d” under the column “substance”.

Add a new note “d” under the table to read: “^d being tert-Butyl alcohol”.

Annex

Test results of new organic peroxides and formulations to be added in 2.5.3.2.4 and T23

No	Product	packaging	UN	Detonation	P/T/C.1	Deflagration /C.2	Koenen/E.1	DPVT/E.2	(mod) Trauzl F.3 or F.4 or F5	SADT (H.3 or H.4)	Competent authority approval number
1	Acetyl Acetone Peroxide	OP8	3107	Test A.1 Fragmented length 11 and 13 cm No	<2170kPa, No	0.012 mm/s, No	< 1mm ("O"), No	1.0 mm (10g), Low	F.3 10 and 15 ml Low	H.4 60 °C (400ml)	NL TNO NL 06DV3/3307
2	tert-Butyl hydroperoxide, not more than 56% in a diluent type B	T23 portable tank	3109	Test A.6 Fragmented length 19 cm; Blanc 16.5 cm No	Max. pressure of 2070 kPa not achieved No	<0.01 mm/s 50 °C No	<1.0mm ("A") Low	1.0 mm (10g) Low	F.4 13.8 ml Blanc 11.5 ml No	H.3 isothermal calorimetry 50°C for a 20-m ³ insulated tank	NL TNO 18EM/0567 Test report including emergency vent testing for tank. according to the vent test in Appendix 5 of the Manual of Tests and Criteria, 10 liter vent test for vent sizing
