



**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-seventh session**

Geneva, 29 June-8 July 2020

Item 3 of the provisional agenda

Listing, classification and packaging**Organic peroxides: new formulations to be listed in 2.5.3.2.4****Transmitted by the expert from Japan*****Introduction**

1. Since new peroxide formulations have become commercially available, there is a need to update the list under 2.5.3.2.4. Approval for maritime transport of the products has already been granted by the Ministry of Land, Infrastructure, Transport and Tourism of Japan. The products have been transported from Japan to Asian countries for more than 15 years without any incident or accident.
2. The information of the new products including classification and a summary of test data is given in the annex to this document.

Proposals

3. The expert from Japan proposes to include two new entries in the list of currently assigned organic peroxides under 2.5.3.2.4, as indicated below.

* 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2

Proposed addition to 2.5.3.2.4 (*List of currently assigned organic peroxides in packaging*):

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B (%)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
tert-BUTYLPEROXY ISOPROPYLCARBONATE	≤ 62		≥ 38			OP7			3105	
tert-HEXYL PEROXYPIVALATE	≤ 52 as a stable dispersion in water					OP8	+15	+20	3117	

Test results of new organic peroxide formulations to be added

Product	packaging	UN No. (PSN)	Detonation/ A.1	P/T / C.1	Deflagration / C.2	Koenen/ E.1	DPVT/ E.2	Ballistic mortar/ F.1	SADT / H.4	Competent Authority approval number
tert-Butyl peroxy isopropylcarbonate, ≤ 62% in diluent type B	OP7	3105 (ORGANIC PEROXIDE TYPE D, LIQUID)	< 1.5 times (101 %), No	Max pressure of not more than 690 kPa, At the End of the test : Not Ignition No	0.040mm/s, No	1.5mm ("F") Medium	1.0mm (10g) Low	-	65°C (400ml)	中運安舶第 308 号 16 November 2004
tert-Hexyl peroxyvalate, ≤ 52% as a stable dispersion in water	OP8	3117 (ORGANIC PEROXIDE TYPE E, LIQUID TEMPERATURE CONTROLLED)	< 1.5 times (87 %), No	<2070kPa, No	0.015 mm/s, No	<1.0mm ("O") No	<1.0mm (50g) No	-	30°C (400ml)	中運安舶第 268 号 17 September 2003