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**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

Thirty-fourth session  
Geneva, 1-9 December 2008  
Item 4 of the provisional agenda

**LISTING, CLASSIFICATION AND PACKING**

Organic peroxides

Amendment of listed entries in 2.5.3.2.4

Transmitted by the International Council of Chemical Associations (ICCA)<sup>1</sup>

**Introduction**

1. Some editorial changes as well as a reclassification of one organic peroxide are proposed in this document. The reclassification of 2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE >90-100% was based on tests conducted by BAM, Berlin, Germany.

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<sup>1</sup> In accordance with the programme of work of the Sub-Committee for 2007-2008 approved by the Committee at its third session (refer to ST/SG/AC.10/C.3/60 para. 100 and ST/SG/AC.10/C.3/34, para. 14).

## **Justification**

2. The justifications for the three proposals are the following.
3. Proposal 1 is the result of new tests conducted by the Bundesanstalt für Materialforschung und –prüfung (BAM), Germany. Incentive for this were the differences in available test data in industry of test E.1, Koenen test of the Manual of Tests and Criteria; results of the limiting diameter varied from 1.5 – 2.0 mm. BAM conducted a number of E.1 Koenen tests with various concentrations of 2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE above 90%. Their conclusion was that the limiting diameter is 2.0 mm. Consequently a reclassification is needed.
4. Proposal 2 is an editorial issue. For the entry tert-AMYLPEROXY-3,5,5-TRIMETHYLHEXANOATE 100 % in the column subsidiary risks and remarks, the remark “3” must be deleted because the UN number for this entry was changed from 3101 to 3105 in the 15<sup>th</sup> revised edition of the model regulations. Remark “3” is only applicable to UN 3101, UN 3102, UN 3111 and UN 3112.
5. Proposal 3 is a minor correction of the chemical name of DI-(2-tert-BUTYLPEROXYISOPROPYL)BENZENE(S). The “2” in the chemical name is not correct. This product consists of 1,4-Di(tert-butylperoxyisopropylbenzene) and/or 1,3-Di(tert-butylperoxyisopropylbenzene). It is proposed to correct the chemical name.

## **Proposals**

6. ICCA proposes to make the following amendments in 2.5.3.2.4:

Proposed amendments to 2.5.3.2.4 List of currently assigned organic peroxides:

ORGANIC PEROXIDE	Concentration (%)	Diluent type A (%)	Diluent type B 1 (%)	Inert solid (%)	Water	Packing Method	Control temperature (°C)	Emergency temperature (°C)	Number (Generic entry)	Subsidiary risks and remarks
<b>PROPOSAL 1</b>										
<b>Delete:</b> 2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE	>52-100					OP7			3105	
<b>Insert:</b> 2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE	>90-100					OP5			3103	
<b>Insert:</b> 2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY)HEXANE	>52-90	≥ 10				OP7			3105	
<b>PROPOSAL 2</b>										
tert-AMYLPEROXY-3,5,5-TRIMETHYLHEXANOATE	≤100					OP7			3105	<b>Delete remark 3)</b>
<b>PROPOSAL 3</b>										
<b>Change chemical name</b> <b>From:</b> DI-(2-tert-BUTYLPEROXYISOPROPYL)BENZENE (S) <b>To:</b> DI-(tert-BUTYLPEROXYISOPROPYL)BENZENE										