

# ASEPTANIOS AD

## PHYSICAL HAZARDS ASSESSMENT

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Regulation (EC) n° 1272/2008<sup>1</sup> and its adaptations Annex 1 Part 2: PHYSICAL HAZARDS

## SUBSTANCES IN THE MIXTURE INDUCING PHYSICAL HAZARDS

Hazardous substance(s)	Physical hazards	%
<u>PERACETIC ACID</u> (CAS 79-21-0)	Flam. Liq. 3 Self-react. D Org. Perox. D Met. Corr. 1	0.10 - 0.20 <sup>2</sup>
<u>HYDROGEN PEROXIDE</u> (CAS 7722-84-1)	Ox. Liq. 1	1.50 - 3.00 <sup>2</sup>
<u>ACETIC ACID</u> (CAS 64-19-7)	Flam. Liq. 3	4.00 - 5.50 <sup>2</sup>

## PHYSICAL HAZARDS ASSESSMENT

- Flammable liquids

*Cf. Annex I, § 2.6.*

Flash point: >60°C

Mixture not classified as Flam. Liq.

- Self-reactive substances and mixtures

*Cf. Annex I, § 2.8*

The mixture is not considered as self-reactive mixture because it is organic peroxide.  
*see Annex I, § 2.8.2.1*

Mixture not classified as Self-react.

- Organic peroxides/ Oxidising liquids

*Cf. Annex I, § 2.15 / Cf. Annex I, § 2.13*

Guidance on the Application of the CLP Criteria: 2.15.6. Relation to transport classification

<sup>1</sup> Regulation (EC) n° 1272/2008 of the European parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) N° 1907/2006.

<sup>2</sup> For the calculation, the upper bound is used in order to maximize the hazard assessment.

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Division 5.2 within Class 5 of the UN RTDG Model Regulations covers organic peroxides. A list of currently classified organic peroxides is included in the UN RTDG Model Regulations, Section 2.5.3.2.4. This table includes organic peroxides Type B - Type F (and some formulations Type G, so-called exempted organic peroxides).

An exceptional case in this respect is a peroxyacetic acid formulation, as currently classified in the UN RTDG Model Regulations under UN 3149, with the following description: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5 % peroxyacetic acid, STABILISED.

In the classification procedure for organic peroxides, see decision logic in Section 2.15.4.4, this formulation will be assigned to organic peroxide Type G, and consequently no label elements are allocated. In view of the above, this formulation can be classified, also in accordance with CLP, as an Oxidising liquid, Category 2.

☒ Mixture classified as Org. Perox. G and Ox. Liq. 2

- Corrosive to metals

*Cf. Annex I, § 2.16.*

One substance classified as Met. Corr. 1 presents in the mixture at such concentration that the risk is applicable to the mixture.

☒ Mixture classified as Met. Corr. 1

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## CONCLUSION

- The mixture is classified as Organic peroxide G / Oxidising Liquid 2 / Corrosive to Metals 1
- Label elements (limited to pictograms, signal word and hazard statements)

- Pictogram      GHS03      /      GHS05



- Signal Word    Danger

- Hazard Statement

H272: May intensify fire; oxidiser

H290: May be corrosive to metals

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## SIGNATURE PAGE

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