

## **Annex XV dossier**

# **PROPOSAL FOR IDENTIFICATION OF A SUBSTANCE AS A CMR 1A OR 1B, PBT, vPvB OR A SUBSTANCE OF AN EQUIVALENT LEVEL OF CONCERN**

**Substance Name: Pentalead tetraoxide sulphate**

**EC Number: 235-067-7**

**CAS Number: 12065-90-6**

**Submitted by:** European Chemicals Agency at the request of the European Commission



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## **PROPOSAL FOR IDENTIFICATION OF A SUBSTANCE AS A CMR 1A OR 1B, PBT, VPVB OR A SUBSTANCE OF AN EQUIVALENT LEVEL OF CONCERN**

**Substance Name: Pentalead tetraoxide sulphate**

**EC Number: 235-067-7**

**CAS number: 12065-90-6**

The substance is proposed to be identified as substance meeting the criteria of Article 57 (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as toxic for reproduction category 1 A<sup>1</sup>.

### **Summary of how the substance meets the criteria set out in Article 57 (c) of REACH (Repr. 1A).**

Pentalead tetraoxide sulphate is covered by Index number 082-001-00-6 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1A (H360D: "May damage the unborn child"). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 1; R61 ("May cause harm to the unborn child").

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

**Registration dossiers submitted for the substance? Yes**

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<sup>1</sup> Classification in accordance with Regulation (EC) No 1272/2008 Annex VI, part 3, Table 3.1 List of harmonised classification and labelling of hazardous substances.

## PART I

### JUSTIFICATION

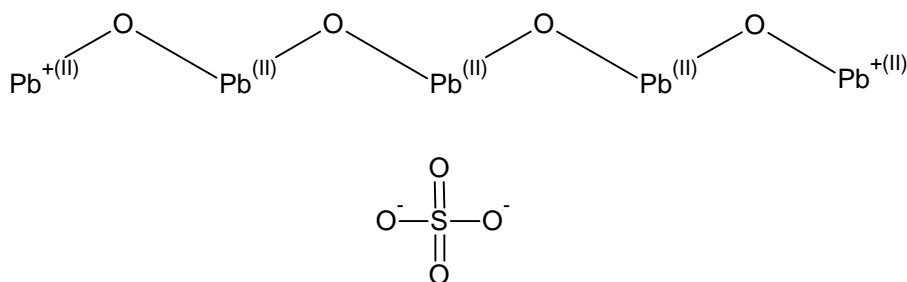
#### 1 Identity of the substance and physical and chemical properties

##### 1.1 Name and other identifiers of the substance

Table 1: Substance identity

|   |  |
|---|--|
| <b>EC number:</b>                                     | 235-067-7  |
| <b>EC name:</b>                                       | Pentalead tetraoxide sulphate  |
| <b>CAS number (in the EC inventory):</b>              | 12065-90-6   |
| <b>CAS number:</b><br><b>Deleted CAS numbers:</b>     | 12065-90-6   |
| <b>CAS name:</b>                                      | Lead oxide sulfate (Pb <sub>5</sub> O <sub>4</sub> (SO <sub>4</sub> ))   |
| <b>IUPAC name:</b>                                    | Pentalead tetraoxide sulphate  |
| <b>Index number in Annex VI of the CLP Regulation</b> | 082-001-00-6   |
| <b>Molecular formula:</b>                             | O <sub>8</sub> Pb <sub>5</sub> S   |
| <b>Molecular weight range:</b>                        | 1196.1 g/mol   |
| <b>Synonyms:</b>                                      | Lead oxide sulfate (4PbO.PbSO <sub>4</sub> );<br>Tetrabasic lead sulfate |

##### Structural formula:



## 1.2 Composition of the substance

**Name:** Pentalead tetraoxide sulphate

**Description:** ---

**Degree of purity:** 95 – 100 %

**Table 2: Constituents**

| <b>Constituents</b>                        | <b>Typical concentration</b> | <b>Concentration range</b> | <b>Remarks</b>  |
|--|------------------------------|----------------------------|---|
| Pentalead tetraoxide sulphate<br>235-067-7 |                              | 95 – 100 %                 | Information according to the available registration dossiers. |

## 2 Harmonised classification and labelling

Pentalead tetraoxide sulphate is covered by Index number 082-001-00-6 in Annex VI, part 3 of Regulation (EC) No 1272/2008 as follows:

**Table 3: Classification according to part 3 of Annex VI, Table 3.1 ((list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008**

| Index No     | International Chemical Identification  | EC No | CAS No | Classification  |  | Labelling                       |  |                                 | Spec. Conc. Limits, M-factors | Notes |
|--------------|--|-------|--------|---|--|---------------------------------|--|---------------------------------|-------------------------------|-------|
|              |  |       |        | Hazard Class and Category Code(s)   | Hazard statement code(s)                         | Pictogram , Signal Word Code(s) | Hazard statement code(s)                 | Suppl. Hazard statement code(s) |                               |       |
| 082-001-00-6 | Lead compounds with the exception of those specified elsewhere in this Annex | -     | -      | Repr. 1A<br>Acute Tox. 4*<br>Acute Tox. 4*<br>STOT RE 2*<br>Aquatic Acute 1<br>Aquatic<br>Chronic 1 | H360Df<br>H332<br>H302<br>H373**<br>H400<br>H410 | GHS08<br>GHS07<br>GHS09<br>Dgr  | H360Df<br>H332<br>H302<br>H373**<br>H410 |                                 | STOT RE 2;<br>H373: C ≥ 0,5 % | A1    |

**Table 4: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008**

| <b>Index No</b> | <b>International Chemical Identification</b>                                 | <b>EC No</b> | <b>CAS No</b> | <b>Classification</b>  | <b>Labelling</b>                                  | <b>Concentration Limits</b>           | <b>Notes</b> |
|-----------------|--|--------------|---------------|--|---|---------------------------------------|--------------|
| 082-001-00-6    | Lead compounds with the exception of those specified elsewhere in this Annex | -            | -             | Repr. Cat. 1; R61<br>Repr. Cat. 3; R62<br>Xn; R20/22<br>R33<br>N; R50-53 | T; N<br>R: 61-20/22-33-62-50/53<br>S: 53-45-60-61 | Xn; R20/22: C ≥ 1 %<br>R33: C ≥ 0,5 % | AE 1         |



### **3 Environmental fate properties**

*Not relevant for the identification of the substance as SVHC in accordance with Article 57c.*

### **4 Human health hazard assessment**

*See section 2 on harmonised classification and labelling.*

### **5 Environmental hazard assessment**

*Not relevant for the identification of the substance as SVHC in accordance with Article 57c.*

## **6 Conclusions on the SVHC Properties**

### **6.1 CMR assessment**

Pentalead tetraoxide sulphate is covered by Index number 082-001-00-6 in Regulation (EC) No 1272/2008 and classified in Annex VI, part 3, Table 3.1 (list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1A (H360D: “May damage the unborn child”). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction, Repr. Cat. 1; R61 (“May cause harm to the unborn child”).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

## **PART II**

### **INFORMATION ON USE, EXPOSURE, ALTERNATIVES AND RISKS**

The available use and exposure information is provided in the registration dossiers (authorities with access rights only) or on ECHA's dissemination website<sup>2</sup>:

<http://echa.europa.eu/information-on-chemicals>

ECHA has not carried out further analysis of this information.

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<sup>2</sup> Information published by ECHA on the substance can be searched at this site (field "Search for Chemicals" at upper right) by EC number, CAS number or substance name.