

**Substance Name: Trilead bis(carbonate) dihydroxide**  
**[Basic lead carbonate]**

**EC Number: 215-290-6**

**CAS Number: 1319-46-6**

**MEMBER STATE COMMITTEE**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**TRILEAD BIS(CARBONATE) DIHYDROXIDE**  
**[BASIC LEAD CARBONATE]**

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS**  
**CMR<sup>1</sup> PROPERTIES**

**Adopted on 29 November 2012**

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<sup>1</sup> CMR means carcinogenic, mutagenic or toxic for reproduction

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**Substance Name: Trilead bis(carbonate) dihydroxide [Basic lead carbonate]**

**EC Number: 215-290-6**

**CAS number: 1319-46-6**

Trilead bis(carbonate) dihydroxide is 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 1A<sup>2</sup> which corresponds to classification as toxic for reproduction category 1<sup>3</sup>.

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

Trilead bis(carbonate) dihydroxide 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 Trilead bis(carbonate) dihydroxide in Regulation (EC) No 1272/2008 shows that it meets the criterion 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>2</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, OJ L 353, p.1, 31.12.2008.

<sup>3</sup> Classification in accordance with Regulation (EC) No 1272/2008, Annex VI, part 3, Table 3.2 List of harmonised classification and labelling of hazardous substances (from Annex I to Council Directive 67/548/EEC), OJ L 353, p.1, 31.12.2008.

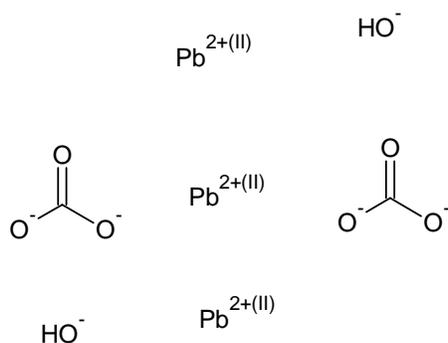
## JUSTIFICATION

### 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>	215-290-6
<b>EC name:</b>	Trilead bis(carbonate) dihydroxide
<b>CAS number (in the EC inventory):</b>	1319-46-6
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	1319-46-6 1344-36-1, 11120-55-1, 13009-77-3, 37185-13-0, 37316-84-0, 37361-76-5, 886883-98-3, 1145660-51- 0, 1160353-52-5
<b>CAS name:</b>	Lead carbonate hydroxide (Pb <sub>3</sub> (CO <sub>3</sub> ) <sub>2</sub> (OH) <sub>2</sub> )
<b>IUPAC name:</b>	Lead(2+) carbonate hydroxide (3:2:2)
<b>Index number in Annex VI of the CLP Regulation</b>	082-001-00-6
<b>Molecular formula:</b>	C <sub>2</sub> H <sub>2</sub> O <sub>8</sub> Pb <sub>3</sub>
<b>Molecular weight:</b>	775.9 g/mol
<b>Synonyms:</b>	Lead carbonate (2PbCO <sub>3</sub> .Pb(OH) <sub>2</sub> ); Lead carbonate hydroxide (2PbCO <sub>3</sub> .Pb(OH) <sub>2</sub> ); Lead, bis(carbonato)dihydroxytri- ; Lead, bis[carbonato(2-)]dihydroxytri-; Almex; Basic carbonate white lead; Basic lead carbonate; Basic lead carbonate (2PbCO <sub>3</sub> .Pb(OH) <sub>2</sub> ); Berlin White; C.I. 77597; C.I. Pigment White 1; Carbonic acid, lead salt, basic; Cremnitz White; Dutch White Lead; Enpaku; Flake White; Krems White; Lead carbonate hydroxide (Pb <sub>3</sub> (OH) <sub>2</sub> (CO <sub>3</sub> ) <sub>2</sub> ); Lead carbonate oxide (Pb <sub>3</sub> O(CO <sub>3</sub> ) <sub>2</sub> ), monohydrate; Lead hydroxide carbonate [2PbCO <sub>3</sub> .Pb(OH) <sub>2</sub> ]; Lead subcarbonate; Lead white; Novade; Rolite lead; Silver White; Slate White; Stabilisator 5012NS; Tricarbonatodihydroxytrilead; Venetian White; White Lead Wartburg; White lead

**Structural formula:****1.2 Composition of the substance****Name:** Trilead bis(carbonate) dihydroxide**Description:** ---**Degree of purity:** No information available**Table 2: Constituents**

Constituents	Typical concentration	Concentration range	Remarks
Trilead bis(carbonate) dihydroxide EC No. 1319-46-6		No information available	Information indicated in the registration dossier(s) is not reliable

## 2 Harmonised classification and labelling

Trilead bis(carbonate) dihydroxide 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 Acute Tox. 4* Acute Tox. 4* STOT RE 2* Aquatic Acute 1 Aquatic Chronic 1	H360Df H332 H302 H373** H400 H410	GHS08 GHS07 GHS09 Dgr	H360Df H332 H302 H373** H410		STOT RE 2; 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**

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

Trilead bis(carbonate) dihydroxide 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 Trilead bis(carbonate) dihydroxide in Regulation (EC) No 1272/2008 shows that it meets the criterion for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.