

**Substance Name: Tetraethyllead**

**EC Number: 201-075-4**

**CAS Number: 78-00-2**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**TETRAETHYLLEAD**

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

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



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The substance 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).**

Tetraethyllead is covered by Index number 082-002-00-1 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>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.

<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).

## JUSTIFICATION

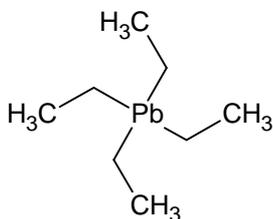
### 1 Identity of the substance and physical and chemical properties

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

**Table 1: Substance identity**

<b>EC number:</b>	201-075-4
<b>EC name:</b>	Tetraethyllead
<b>CAS number (in the EC inventory):</b>	78-00-2
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	78-00-2
<b>CAS name:</b>	Plumbane, tetraethyl-
<b>IUPAC name:</b>	Tetraethylplumbane
<b>Index number in Annex VI of the CLP Regulation</b>	082-002-00-1
<b>Molecular formula:</b>	C <sub>8</sub> H <sub>20</sub> Pb
<b>Molecular weight range:</b>	323.4 g/mol
<b>Synonyms:</b>	

#### Structural formula:



#### 1.2 Composition of the substance

**Name:** Tetraethyllead

**Description:** ---

**Degree of purity:** 98.5 – 100 %

**Table 2: Constituents**

<b>Constituents</b>	<b>Typical concentration</b>	<b>Concentration range</b>	<b>Remarks</b>
Tetraethyllead 201-075-4		98.5 – 100 %	Information according to the available registration dossiers.

## 2 Harmonised classification and labelling

Tetraethyllead is covered by Index number 082-002-00-1 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)		
082-002-00-1	Lead alkyls	-	-	Repr. 1A Acute Tox. 2 * Acute Tox. 1 Acute Tox. 2 * STOT RE 2 * Aquatic Acute 1 Aquatic Chronic 1	H360Df H330 H310 H300 H373** H400 H410	GHS06 GHS08 GHS09 Dgr	H360Df H330 H310 H300 H373** H410		Repr. 1A; H360D: C ≥ 0,1 % * STOT RE 2; H373: C ≥ 0,05 %	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>
082-002-00-1	Lead alkyls	-	-	Repr. Cat. 1; R61 Repr. Cat. 3; R62 T+; R26/27/28 R33 N; R50-53	T+; N R: 61-26/27/28-33-62-50/53 S: 53-45-60-61	Repr. Cat. 1; R61: C ≥ 0,1 % T+; R26/27/28: C ≥ 0,25 % T; R23/24/25: 0,1 % ≤ C < 0,25 % Xn; R20/21/22: 0,05 % ≤ C < 0,1 % R33: C ≥ 0,05 %	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**

Tetraethyllead is covered by Index number 082-002-00-1 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.