

Substance Name: Lead monoxide [Lead oxide]

EC Number: 215-267-0

CAS Number: 1317-36-8

MEMBER STATE COMMITTEE

SUPPORT DOCUMENT FOR IDENTIFICATION OF

LEAD MONOXIDE [LEAD OXIDE]

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS
CMR¹ PROPERTIES**

Adopted on 11 December 2012

¹ CMR means carcinogenic, mutagenic or toxic for reproduction

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Lead monoxide [Lead oxide] 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 1A² which corresponds to classification as toxic for reproduction category 1³.

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

Lead monoxide 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 lead monoxide 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

² 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

³ 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

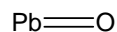
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	215-267-0
EC name:	Lead monoxide
CAS number (in the EC inventory):	1317-36-8
CAS number: Deleted CAS numbers:	1317-36-8 1309-59-7, 12359-23-8
CAS name:	Lead oxide (PbO)
IUPAC name:	Lead monoxide
Index number in Annex VI of the CLP Regulation	082-001-00-6
Molecular formula:	OPb
Molecular weight range:	223.2 g/mol
Synonyms:	C.I. 77577; C.I. Pigment Yellow 46; Lead monooxide; Lead oxide; Lead oxide yellow; Lead protoxide; Lead(2+) oxide; Lead(II) oxide; Pigment Yellow 46; Plumbous oxide; Yellow lead ochre

Structural formula:



1.2 Composition of the substance

Name: Lead monoxide

Description: ---

Degree of purity: 70 – 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
Lead monoxide 215-267-0		70 – 100 %	Information according to the available registration dossiers.

2 Harmonised classification and labelling

Lead monoxide 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

Lead monoxide [Lead oxide] 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").

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