

Substance Name: Lead (lead powder and lead massive)

EC Number: 231-100-4

CAS Number: 7439-92-1

MEMBER STATE COMMITTEE

SUPPORT DOCUMENT

FOR IDENTIFICATION OF

LEAD (LEAD POWDER AND LEAD MASSIVE)

AS A SUBSTANCE OF VERY HIGH CONCERN
BECAUSE OF ITS TOXIC FOR REPRODUCTION
PROPERTIES

(ARTICLE 57C)

Adopted on 12 June 2018

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IDENTIFICATION OF A SUBSTANCE OF VERY HIGH CONCERN ON THE BASIS OF THE CRITERIA SET OUT IN REACH ARTICLE 57

Substance Name: Lead (lead powder and lead massive)

EC Number: 231-100-4

CAS number: 7439-92-1

- The substance is identified as a substance meeting the criteria of Article 57 (c) of Regulation (EC) No 1907/2006 (REACH) owing to its classification in the hazard class reproductive toxicity category 1A¹.

Summary of how the substance meets the criteria set out in Article 57 of the REACH Regulation

Lead is covered by index numbers 082-013-00-1 (lead powder) and 082-014-00-7 (lead massive) of Regulation (EC) No 1272/2008 in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) and it is classified in the hazard class reproductive toxicity category 1A (hazard statement H360FD: "May damage fertility. May damage the unborn child"¹) and effects on or via lactation (hazard statement H362: "May cause harm to breast-fed children").

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification in the hazard class:

- Reproductive toxicity category 1A in accordance with Article 57 (c) of REACH.

Registration dossiers submitted for the substance: Yes

¹ Classification in accordance with section 3.7 of Annex I to Regulation (EC) No 1272/2008.

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:	231-100-4
EC name:	Lead
CAS number (in the EC inventory):	7439-92-1
CAS number: Deleted CAS numbers:	-
CAS name:	-
IUPAC name:	-
Index number in Annex VI of the CLP Regulation	082-013-00-1 (lead powder) 082-014-00-7 (lead massive)
Molecular formula:	Pb
Molecular weight range:	207.2 g/mol
Synonyms:	-

Structural formula: Pb

1.2 Composition of the substance

Name: lead

Description: inorganic

Substance type: mono-constituent

1.3 Physicochemical properties

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

2. Harmonised classification and labelling

Lead is covered by Index numbers 082-013-00-1 (lead powder) and 082-014-00-7 (lead massive) in part 3 of Annex VI to the CLP Regulation as follows:

Table 2: Classification according to Annex VI, Table 3.1 (list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008 as listed in Commission Regulation (EU) 2016/1179 of 19 July 2016)

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)		
082-013-00-1	lead powder; [particle diameter < 1 mm]	231-100-4	7439-92-1	Repr. 1A Lact.	H360FD H362	GHS08 Dgr	H360FD H362		Repr.1 A; H360D : C ≥ 0.03 %	
082-014-00-7	lead massive: [particle diameter ≥ 1 mm]	231-100-4	7439-92-1	Repr. 1A Lact.	H360FD H362	GHS08 Dgr	H360FD H362			

H360FD: May damage fertility. May damage the unborn child.

H362: May cause harm to breast-fed children.

3. Environmental fate properties

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

4. Human health hazard assessment

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

5. Environmental hazard assessment

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

6. Conclusions on the SVHC Properties

6.1 CMR assessment

Lead is covered by index numbers 082-013-00-1 (lead powder, particle diameter <1 mm) and 082-014-00-7 (lead massive, particle diameter ≥1 mm) of Regulation (EC) No 1272/2008 in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) and it is classified in the hazard class reproductive toxicity

category 1A (hazard statement H360FD: "May damage fertility. May damage the unborn child" and hazard statement H362: "May cause harm to breast-fed children").

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 shows that it meets the criteria for classification in the hazard class:

- Reproductive toxicity category 1A in accordance with Article 57 (c) of REACH.

References

- EU (2006). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- EU (2008). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
- EU (2016). Commission Regulation (EU) 2016/1179 of 19 July 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.