Substance Name:

Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped

[Silicic acid, barium salt, lead-doped]

EC Number: 272-271-5

CAS Number: 68784-75-8

MEMBER STATE COMMITTEE

SUPPORT DOCUMENT FOR IDENTIFICATION OF

SILICIC ACID ($H_2Si_2O_5$), BARIUM SALT (1:1), LEAD-DOPED [SILICIC ACID, BARIUM SALT, LEAD-DOPED]

[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]

AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS CMR[1] PROPERTIES

Adopted on 29 November 2012

[1] CMR means carcinogenic, mutagenic or toxic for reproduction

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TABLES

Tables

Substance Name: Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped [Silicic acid, barium salt, lead-doped][2]

EC Number: 272-271-5

CAS number: 68784-75-8

Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped 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[3] which corresponds to classification as toxic for reproduction category 1[4].

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

Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped is covered by the group entry for lead compounds included in the list of EU harmonised classification and labelling of hazardous substances in Annex VI, Part 3, (Index number 082-001-00-6) in Regulation (EC) No 1272/2008. Thus the substance is classified as toxic for reproduction, category 1A (Table 3.1) and category 1 (Table 3.2) where it contains lead (Pb) above the respective applicable generic concentration limit.

Therefore, this classification of Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped 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 when it contains lead (Pb) above the applicable generic concentration limit for 'toxicity for reproduction', Repr. 1A of Regulation (EC) No. 1272/ 2008 or 'toxicity for reproduction', Repr. cat. 1 of Council Directive 67/548/EEC.

Registration dossiers submitted for the substance: Yes

[2] Silicic acid (H2Si2O5), barium salt (1:1), lead-doped is identified as SVHC only where the lead (Pb) content is above the applicable concentration limit for classification as 'toxic for reproduction', Repr. 1A,(CLP) or category 1 (DSD). The substance is a member of the group entry for lead compounds in annex VI, CLP Regulation (index number 082-001-00-6 in Regulation (EC) No 1272/2008)

[3] 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.

[4] 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:	272-271-5
EC name:	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped
CAS number (in the EC inventory):	68784-75-8
CAS number: **Deleted CAS numbers:**	68784-75-8
CAS name:	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped
IUPAC name:	Barium silicate, lead-doped
Index number in Annex VI of the CLP Regulation	082-001-00-6
Molecular formula:	NA
Molecular weight range:	NA
Synonyms:	---

Structural formula:

Not applicable

1.2 Composition of the substance

Name: Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped [Silicic acid, barium salt, lead-doped]

Description: ---

Degree of purity: 99 – 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped EC No. 272-271-5		99 – 100 %	Information according to the available registration dossiers.

2 Harmonised classification and labelling

Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped shown below. Thus, the substance is classified for reproductive toxicity in category 1A (in accordance with Regulation (EC) No 1272/2008) and category 1 (in accordance with Council Directive 67/548/EEC) when the lead (Pb) content is above the respective applicable generic concentration limit.

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

Note 1: The concentration stated or, in the absence of such concentrations, the generic concentrations[5] of this Regulation (Table 3.1) or the generic concentrations of Directive 1999/45/EC (Table 3.2) are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

[5] According to Article 10.1 of the CLP Regulation (EC) No 1272/2008, *"specific concentration limits and generic concentration limits are limits assigned to a substance indicating a threshold at or above which the presence of that substance in another substance or in a mixture as an identified impurity, additive or individual constituent leads to the classification of the substance or mixture as hazardous."*

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

Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped is covered by the group entry for lead compounds included in the list of EU harmonised classification and labelling of hazardous substances in Annex VI, Part 3, (Index number 082-001-00-6) in Regulation (EC) No 1272/2008. Thus the substance is classified as toxic for reproduction, category 1A (Table 3.1) and category 1 (Table 3.2) where it contains lead (Pb) above the respective applicable generic concentration limit.

Therefore, this classification of Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped 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 where it contains lead (Pb) above the applicable generic concentration limit for 'toxicity for reproduction', Repr. 1A of Regulation (EC) No. 1272/ 2008 or 'toxicity for reproduction', Repr. Cat. 1 of Council Directive 67/548/EEC of Regulation (EC) No 1272/2008.