

Substance Name: Trilead dioxide phosphonate

EC Number: 235-252-2

CAS Number: 12141-20-7

SUPPORT DOCUMENT FOR IDENTIFICATION OF

TRILEAD DIOXIDE PHOSPHONATE

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

¹ CMR means carcinogenic, mutagenic or toxic for reproduction

CONTENTS

1	IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES	5
1.1	NAME AND OTHER IDENTIFIERS OF THE SUBSTANCE	5
1.2	COMPOSITION OF THE SUBSTANCE	6
2	HARMONISED CLASSIFICATION AND LABELLING	7
3	ENVIRONMENTAL FATE PROPERTIES	9
4	HUMAN HEALTH HAZARD ASSESSMENT	9
5	ENVIRONMENTAL HAZARD ASSESSMENT	9
6	CONCLUSIONS ON THE SVHC PROPERTIES	9
6.1	CMR ASSESSMENT	9

TABLES

Table 1: Substance identity	5
Table 2: Constituents	6
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	7
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	8

Substance Name: Trilead dioxide phosphonate

EC Number: 235-252-2

CAS number: 12141-20-7

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 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).

Trilead dioxide phosphonate 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 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

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.

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).

JUSTIFICATION

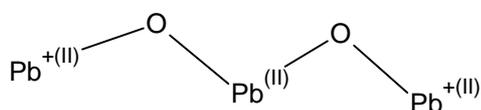
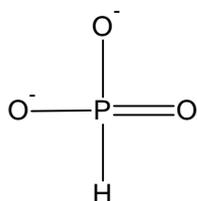
1 Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	235-252-2
EC name:	trilead dioxide phosphonate
CAS number (in the EC inventory):	12141-20-7
CAS number: Deleted CAS numbers:	12141-20-7
CAS name:	Lead oxide phosphonate (Pb ₃ O ₂ (HPO ₃))
IUPAC name:	Trilead dioxide phosphonate
Index number in Annex VI of the CLP Regulation	082-001-00-6
Molecular formula:	HO ₅ PPb ₃
Molecular weight range:	733.6 g/mol
Synonyms:	Lead oxide phosphite; Dibasic lead phosphite

Structural formula:



1.2 Composition of the substance

Name: Trilead dioxide phosphonate

Description: ---

Degree of purity: 97 – 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
Trilead dioxide phosphonate 235-252-2		97 – 100 %	Information according to the available registration dossiers

2 Harmonised classification and labelling

Trilead dioxide phosphonate 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 dioxide phosphonate 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 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.