

**Substance Name: Pyrochlore, antimony lead yellow**

**EC Number: 232-382-1**

**CAS Number: 8012-00-8**

**SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**PYROCHLORE, ANTIMONY LEAD YELLOW**

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

---

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



## CONTENTS

<b>1</b>	<b>IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES .....</b>	<b>5</b>
1.1	NAME AND OTHER IDENTIFIERS OF THE SUBSTANCE .....	5
1.2	COMPOSITION OF THE SUBSTANCE .....	5
<b>2</b>	<b>HARMONISED CLASSIFICATION AND LABELLING .....</b>	<b>7</b>
<b>3</b>	<b>ENVIRONMENTAL FATE PROPERTIES .....</b>	<b>9</b>
<b>4</b>	<b>HUMAN HEALTH HAZARD ASSESSMENT .....</b>	<b>9</b>
<b>5</b>	<b>ENVIRONMENTAL HAZARD ASSESSMENT .....</b>	<b>9</b>
<b>6</b>	<b>CONCLUSIONS ON THE SVHC PROPERTIES .....</b>	<b>9</b>
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: Pyrochlore, antimony lead yellow**

**EC Number: 232-382-1**

**CAS number: 8012-00-8**

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).**

Pyrochlore, antimony lead yellow 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**

---

<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>	232-382-1
<b>EC name:</b>	pyrochlore, antimony lead yellow
<b>CAS number (in the EC inventory):</b>	8012-00-8
<b>CAS number:</b> <b>Deleted CAS numbers:</b>	8012-00-8 12710-25-7, 68187-20-2
<b>CAS name:</b>	C.I. Pigment Yellow 41
<b>IUPAC name:</b>	Lead antimonate
<b>Index number in Annex VI of the CLP Regulation</b>	082-001-00-6
<b>Molecular formula:</b>	---
<b>Molecular weight range:</b>	---
<b>Synonyms:</b>	Antimony lead yellow Antimony yellow C.I. 77588 Lead antimonate yellow Lead antimonate yellow pyrochlore Lead antimony yellow pyrochlore Naples yellow Pigment Yellow 41 Sicocer F Orange 2208

**Structural formula:**

Not applicable

#### 1.2 Composition of the substance

**Name:** Pyrochlore, antimony lead yellow

**Description:** This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588.

**Degree of purity:** 80 – 100 %

**Table 2: Constituents**

<b>Constituents</b>	<b>Typical concentration</b>	<b>Concentration range</b>	<b>Remarks</b>
Pyrochlore, antimony lead yellow 232-382-1		80 – 100 %	Information according to the available registration dossiers.

## 2 Harmonised classification and labelling

Pyrochlore, antimony lead yellow 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**

<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>
082-001-00-6	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**

Pyrochlore, antimony lead yellow 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.