



Substance name: Lead Hydrogen Arsenate

EC number: 232-064-2

CAS number: 7784-40-9

MEMBER STATE COMMITTEE

**SUPPORT DOCUMENT FOR IDENTIFICATION OF
LEAD HYDROGEN ARSENATE AS A SUBSTANCE OF VERY
HIGH CONCERN**

Adopted on 1 October 2008

CONTENTS

JUSTIFICATION	4
1 IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES	4
1.1 Name and other identifiers of the substance	4
1.2 Composition of the substance	4
1.3 Physico-chemical properties	5
2 CLASSIFICATION AND LABELLING	6
2.1 Classification in Annex I of Directive 67/548/EEC.....	6
2.2 Self classification(s)	6
REFERENCES	7

TABLES

Table1-1: Summary of physico- chemical properties	5
---	---

Substance Name: Lead hydrogen arsenate

EC Number: 232-064-2

CAS number: 7784-40-9

The substance is identified as CMR according to Article 57 (a) and Article 57 (c) of Regulation (EC) No 1907/2006 (REACH).

Summary of the evaluation:

According to Annex I to Directive 67/548/EEC lead hydrogen arsenate is classified as a carcinogen Carc. Cat. 1; R 45 (May cause cancer) and as a substance toxic to reproduction Repr. Cat.1; R 61 (May cause harm to the unborn child).

JUSTIFICATION

1 IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES

1.1 Name and other identifiers of the substance

Chemical Name: Lead hydrogen arsenate

EC Name: Lead hydrogen arsenate

CAS Number: 7784-40-9

IUPAC Name: Lead hydrogen arsenate

1.2 Composition of the substance

Chemical Name: Lead hydrogen arsenate

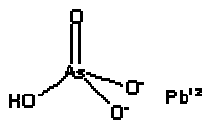
EC Number: 232-064-2

CAS Number: 7784-40-9

IUPAC Name: Lead hydrogen arsenate

Molecular Formula: AsHO_4Pb

Structural Formula:



Molecular Weight: 347.1 g/mol

1.3 Physico-chemical properties

Table1-1: Summary of physico- chemical properties

REACH ref Annex, §	Property	IUCLID section	Value	Reference
VII, 7.1	Physical state at 20°C and 101.3 kPa	4.1		
VII, 7.2	Melting/freezing point	4.2	720 °C	ChemFinder.Com
VII, 7.3	Boiling point	4.3		
VII, 7.5	Vapour pressure	4.6		
VII, 7.7	Water solubility	4.8	insoluble	ChemFinder.Com
VII, 7.8	Partition coefficient n-octanol/water (log value)	4.7		
XI, 7.16	Dissociation constant	4.21		

2 CLASSIFICATION AND LABELLING

2.1 Classification in Annex I of Directive 67/548/EEC

The index number for lead hydrogen arsenate in Annex I to Directive 67/548/EEC is 082-011-00-0.

Classification of lead hydrogen arsenate according the 21th ATP and updated by 25th ATP to Directive 67/548/EEC is as follows:

Risk phrases:

- Carc. Cat. 1; R45; May cause cancer.
- T; R23/25; Toxic by inhalation and if swallowed.
- R33; Danger of cumulative effects.
- N; R50-53; Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment
- Repr. Cat.1; R 61, May cause harm to the unborn child.
- Repr. Cat.3; R 62, Possible risk of impaired fertility.

Safety phrases:

- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S53: Avoid exposure - obtain special instructions before use.
- S60: This material and its container must be disposed of as hazardous waste.
- S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.2 Self classification(s)

Not relevant.

REFERENCES

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. *OJ 196, 16.8.1967, p. 1–98*

ECB ClassLab database <http://ecb.jrc.it/classification-labelling/search-classlab/>