

1 June 2009

## Background document for lead hydrogen arsenate

Document developed in the context of ECHA's first Recommendation for the inclusion of substances in Annex XIV

### 1. Identity of the substance

Chemical name:	lead hydrogen arsenate
EC Number:	232-064-2
CAS Number:	7784-40-9
IUPAC Name:	lead hydrogen arsenate

### 2. Background information

#### 2.1. Intrinsic properties

Lead hydrogen arsenate was identified as a Substance of Very High Concern (SVHC) pursuant to Article 57 (a) and 57 (c) as it is classified as Carcinogen, Category 1<sup>1</sup> and Toxic to Reproduction, Category 1 and was therefore included in the candidate list for authorisation following ECHA's decision ED/67/2008 on 28 October 2008..

#### 2.2. Imports, exports, manufacture and uses

##### 2.2.1. *Volume(s), imports/exports*

No manufacture or import of lead hydrogen arsenate has been identified.

##### 2.2.2. *Manufacture and uses*

###### 2.2.2.1. *Manufacture and releases from manufacture*

Not relevant.

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<sup>1</sup> This document refers (here and in its other parts) to classification in accordance with Directive 67/548/EEC to keep the references in line with the entry in the published Candidate list. ECHA will update the Candidate list to follow the CLP Regulation ((EC) No 1272/2008) in future.

#### 2.2.2.2. Uses and releases from uses

##### Historical use

Lead hydrogen arsenate, also called lead arsenate or acid lead arsenate (PbHAsO<sub>4</sub>), was used successfully against moths and other pests particularly in the US. Within the EU, it was used extensively in the UK and France until after the Second World War.

As lead hydrogen arsenate is no longer used in pesticides, it is unlikely that there is any production of this compound within the EU (or, indeed, elsewhere). Hence, it is no longer in use either in the EU or the US. This has been confirmed by the European Crop Protection Association during consultation for this project (RPA, 2009).

#### 2.2.2.3. Geographical distribution and conclusions in terms of (organisation and communication in) supply chain

The substance is no longer manufactured, imported or used within the EU.

#### 2.3. Availability of information on alternatives<sup>2</sup>

Not relevant.

#### 2.4. Existing specific Community legislation relevant for possible exemption

Not relevant.

#### 2.5. Any other relevant information (e.g. for priority setting)

No data available.

### **3. Conclusions and justification**

#### 3.1. Prioritisation

No manufacture or import of lead hydrogen arsenate has been identified in the EU.

There are no known uses of the substance in the EU.

As the substance is not used in the EU, ECHA recommends not to prioritise lead hydrogen arsenate for inclusion in Annex XIV.

#### 3.2. Recommendation for Annex XIV entry

As the substance was not prioritised for inclusion in Annex XIV no recommendation for its Annex XIV entry has been developed.

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<sup>2</sup> Please note that this information was not used for the prioritisation.

#### 4. References

RPA (2009): Data on manufacture, import, export, uses and releases of: diarsenic trioxide (CAS no: 1327-53-5); diarsenic pentaoxide (CAS no: 1303-28-2); lead hydrogen arsenate (CAS no: 7784-40-9); and triethyl arsenate (CAS no: 15606-95-8), as well as information on potential alternatives to their use.  
Report prepared for ECHA.