# **GHS Safety Data Sheet**

SDS No.: PBH01XAEG Date Issued: 2004/07/01 Last Up Date: 2016/03/09

# Section 1. Identification of the substance or mixture and of the supplier

### 1.1 Product Information

Product name: Pb(CH<sub>3</sub>COO)<sub>2</sub> Lead(II) acetate, anhydrous

| Ī | Product number | Purity      | Form  | Size (mm) or Shape |
|---|----------------|-------------|-------|--------------------|
| ſ | PBH06XB        | 99.999%(5N) | solid | _                  |

### 1.2 Company Information:

Manufacturer: Kojundo Chemical Laboratory Co., Ltd

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# Section 2. Hazards identification

### **GHS** Classification

| Health Hazards   | Environmental Hazards   | Physical Hazards   |
|--|---|--|
| Skin corrosion/irritation: Category2 Serious eye damage/eye irritation: Category 2 Germ cell mutagenicity: Category 2 Carcinogenicity: Category 2 Reproductive toxicity: Category 1A Specific target organ toxicity, single exposure: Category1, Specific target organ toxicity, repeated exposure: Category1, | Hazardous to the aquatic Environment, Acute toxicity:Category 1 Chronic toxicity:Category 1 | Flammable solids: Not classified Pyrophoric solids: Not classified Self-heating substances and mixtures: Not classified Substances and mixtures which, in contact with water, emit flammable gases: Not classified |

GHS Label: C, W, V







Pictograms or symbols

| Warning word: DANGER  |  |  |  |  |
|---|--|--|--|--|
| Hazard information  | Description of precaution  |  |  |  |
| Causes skin irritation Causes serious eye irritation. Suspected of causing genetic defect. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs (Blood system, nervous system, kidney). Causes damage to organs through prolonged or repeated exposure. (Blood system, nervous system, kidney). Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. | Obtain special instructions. Read and understand all safety precautions before handling.  Wear protective gloves /protective clothing /eye protection /respiratory protection /face protection during handling.  Avoid breathing dust /fume /vapors. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling.  Take off the contaminated clothing and wash before reuse.  Avoid release to the environment and collect spillage.  IF IN EYES: Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do. Continue rinsing.  IF ON SKIN; Remove immediately all contaminated clothing and rinse skin with water/shower. Then wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.  Call a POISON CENTER or doctor/physician if you feel unwell.  Store locked up.  Dispose of contents/ container in accordance with local/national regulations. |  |  |  |

### Additional hazard information:

With respect to additional hazard information, see Section 11.

# Section 3. Composition / information on ingredients

Chemical or common name: Lead(II) acetate Single Substance or Compound: Single substance Chemical formula: Pb(CH3COO) $_2$ 

 Composition:
 100%

 CAS #:
 301-04-2

 RTECS#:
 AI5250000

 TSCA inventory:
 listed

 EINECS:
 2061044

(See Section 8 for Exposure Limits)

### Section 4. First aid measures

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse

for at least 15 minutes and get medical attention.

Skin contact: Promptly flush contaminated skin with soap or mild detergent and water.

Contact physician if irritation continues.

Inhalation: Remove the exposed person immediately and provide fresh air.

Get medical attention.

Ingestion: Rinse mouth and throat with water. Get medical attention immediately.

### Section 5. Fire fighting measures

Extinguishing media:

This product cannot catch fire. Use media appropriate for surrounding fire.

Fire fighting: The product is nonflammable. But in case of fire, may liberate toxic gases/ fume.

Self-contained breathing apparatus and full protective clothing should be used, if the

material is involved in fire.

Specific hazards arising from the chemical:

No data available.

# Section 6. Accidental release measures

Personal Precautions: Workers should use protective wears to prevent contact with the spilt adhesive

and inhalation of its vapor/dusts.

Environmental hazard precautions:

Shut off leak if without risk.

Prevent flow out to river, etc. so as not to badly affect.

Method for containment and cleaning up:

Avoid unnecessary contacts with spills.

Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed DOT-approved waste container as much as possible.

Carefully collect remnant and move to a safe place.

### Section 7. Handling and storage

#### Precautions to be taken in handling:

Safe handling: Use protective wears and local ventilation equipment, if inhalation or skin contact

is foreseen.

Avoid prolonged or repeated exposure.

### Precautions to be taken in storage:

General precautions: Store in a cool, dry place away from incompatible materials.

Keep container or bottle tightly closed.

# Section 8. Exposure controls / personal protection

Exposure guideline:

| Chemical Name                    | ACGIH(2013) TLV<br>mg/m³ |      | OSHA(2006)<br>PEL-TWA |
|----------------------------------|--------------------------|------|-----------------------|
| Chemical Palic                   | TWA                      | STEL | mg/m <sup>3</sup>     |
| Lead inorganic compounds (as Pb) | 0.05                     | _    | 0.05                  |

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent

inhalation.

Protective ware: Wear appropriate NIOSH/MSHA approved respirator, safety goggles,

face shields, protective gloves

# Section 9. Physical and chemical properties

Color and Form: white solid
Chemical formula: Pb(CH3COO)<sub>2</sub>

Formula weight: 325.3 Melting point:  $280 \,^{\circ}\text{C}$  Ignition point: decomposes Density:  $3.25 \, \text{g/cm}^{\circ}$  Water solubility: Water: soluble Flammable: Nonflammable

Oxidation: None

### Section 10. Stability and reactivity

Stability: Stable in closed container.

Reactivity Reacts violently with bromates, phosphates, carbonates, phenols.

Incompatibility: Strong oxidizing agents, bromates, phosphates, carbonates, phenols.

Condition to avoid: Air, heat, light.

### Section 11. Toxicological information

Acute toxicity: GHS; No data available.

Skin corrosive / irritation: GHS: Category 2; Causes skin irritation

Serious eyes damage / eye irritation: GHS: Category 2 A; Causes serious eye irritation

Respiratory sensitization: GHS: No data available.

Skin sensitization: GHS: No data available.

Germ cell mutagenicity: GHS: Category 2; Suspected of causing genetic defect

Carcinogenicity: GHS; Category 2; Suspected of causing cancer

Carcinogenicity:

|                                  | ACGIH  | IARC   | NTP    |
|----------------------------------|--------|--------|--------|
| Chemical Name                    | (2013) | (2015) | (2015) |
| Lead inorganic compounds (as Pb) | A3     | 2A     | R      |

ACGIH(2008) A3 Confirmed animal carcinogen with unknown relevance to humans..

IARC(2015) 2A The agent is probably carcinogenic to humans.

NTP(2015) R Reasonably anticipated to be human carcinogens.

Reproductive toxicity: GHS: Category 1A; May damage fertility or the unborn child

Specific target organ toxicity

-single exposure: GHS: Category 1; Causes damage to organs (Blood system,

nervous system, kidney).

Specific target organ toxicity

-repeated exposure: GHS: Category 1; Causes damage to organs through prolonged

or repeated exposure. (Blood system, nervous system, kidney).

Aspiration hazard: GHS; No data available.

# Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic GHS: Category 1; Very toxic to aquatic life. environment—acute toxicity: Crustacea(Daphnia galeata) LC50(48hr)=0.6mg/L

Hazards to the aquatic GHS: Category 1; Very toxic to aquatic life with long lasting

environment—chronic toxicity: effects.

Hazrdous the ozone layer: GHS; No data available

No Freon or Halon

Fish toxicity: see above

Degradability: No data available

Bioaccumulative potential: Pb Biological half-life 1460 day,

Rate of absorption oral=0.08, Respiratory tract=0.29

Mobility in soil: No data available

### Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed

'Industrial Waste Haulers' for disposal of waste.

### Section 14. Transport information

UN number: 1616

IATA shipping name: Lead acetate

IATA classification: Hazardous Class 6.1 (Toxic substances)

IATA packing group: Ⅲ

HS code: 2915.29 Marine pollution: Yes

### Section 15. Regulatory information

TSCA inventory: listed.

Please refer to any other local / national measures that may be relevant.

### Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.