

## GHS Safety Data Sheet

SDS No. : PBH01XAE

Date Issued : 2025/03/04

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

#### Product Information

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

Product number:	Purity	Form	Size or Shape
PBH06XB	99.999%(5N)	solid	—

#### Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.  
 1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284  
 Phone: +81-49-284-1511 Fax: +81-49-284-1351  
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**Recommended uses and restrictions on use:** For research purposes

### Section 2. Hazards identification

#### GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
<b>Acute toxicity (Oral)</b> : Not classified <b>Skin corrosion/irritation</b> : Not classified <b>Serious eye damage/eye irritation</b> : Category 1 <b>Carcinogenicity</b> : Category 1B <b>Reproductive toxicity</b> : Category 1A, Lact <b>Specific target organ toxicity,</b> <b>single exposure : Category 1</b> <b>Specific target organ toxicity,</b> <b>repeated exposure : Category 1</b>	<b>Hazardous to the aquatic environment,</b> <b>acute toxicity : Category 1</b> <b>chronic toxicity : Category 1</b>	<b>Flammable solids : Not classified</b> <b>Pyrophoric solids : Not classified</b> <b>Self-heating substances and mixtures : Not classified</b> <b>Substances and mixtures which, in contact with water, emit flammable gases : Not classified</b>

GHS Label:



Pictograms or symbols:

Warning word: **Danger**

Hazard information	Description of precaution
<b>Causes serious eye damage</b> <b>May cause cancer</b> <b>May damage fertility or the unborn child</b> <b>May cause harm to breast-fed children</b> <b>Causes damage to organs</b> <b>(nervous system, blood system, kidney)</b> <b>Causes damage to organs through prolonged or repeated exposure</b> <b>(nervous system, blood system, kidney)</b> <b>Very toxic to aquatic life</b> <b>Very toxic to aquatic life with long lasting effects</b>	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/mist/gas/fume/vapor/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. 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. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Store locked up.



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Dispose of contents/ container in accordance with local/national regulations.

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### Section 3. Composition / information on ingredients

Chemical or common name:	Lead(II) acetate
Chemical formula:	Pb(CH <sub>3</sub> COO) <sub>2</sub>
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	301-04-2
RTECS#:	AI5250000
TSCA inventory :	listed
EINECS:	2061044

### 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 not combustible but enhances combustion of other substances. Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire. In case of fire, the product may liberate toxic gases/ fume. Remove containers to safe place if possible. Use water spray to Cool down nearby structures and containers.

### 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.
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**Precautions to be taken in storage:**

General precautions: Store the material in a sealed container.  
 Store in a cool, dry, well ventilated and dark place away from incompatible materials.  
 Keep container or bottle tightly closed.

**Section 8. Exposure controls / personal protection**

Exposure guideline:

Chemical Name	ACGIH(2024)		OSHA(2006)
	TLV-TWA mg/m <sup>3</sup>	TLV-STEL mg/m <sup>3</sup>	PEL-TWA 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, impervious gloves, protective wear, protective boots etc.

**Section 9. Physical and chemical properties**

Color and Form: White solid  
 Chemical formula: Pb(CH<sub>3</sub>COO)<sub>2</sub>  
 Formula weight: 325.3  
 Melting point: 280 °C  
 Boiling point: decomposes  
 Density: 3.25 g/cm<sup>3</sup>  
 Solubility in water: Soluble  
 Soluble in: Ethylene glycol  
 Flammability: Non-combustible substance  
 Oxidation: None

**Section10. Stability and reactivity**

Stability: Stable when stored in sealed container at room temperature.  
 Reactivity  
 Incompatibility: Oxidants, bromates, phosphoric acids, carbonates, phenols  
 Condition to avoid: Air, heat, light  
 Hazardous decomposition products: Carbon monoxide, carbon dioxide, lead oxides, acetic acid

**Section11. Toxicological information**

Acute toxicity(oral): GHS : Not classified  
 Skin corrosive / irritation: GHS : Not classified  
 Serious eye damage / irritation: GHS : Category 1; Causes serious eye damage  
 Respiratory sensitization: GHS : No data available  
 Skin sensitization: GHS : No data available  
 Germ cell mutagenicity: GHS : No data available  
 Carcinogenicity: GHS : Category 1B; May cause cancer

Carcinogenicity:

Chemical Name	ACGIH (2024)	IARC (2024)	NTP (2021)
Lead compounds	—	3	R

IARC 3 The agent is not classifiable as to its carcinogenicity to humans.

NTP R Reasonably anticipated to be human carcinogens.



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Reproductive toxicity:	GHS : Category 1A ; May damage fertility or the unborn child Lact. ; May cause harm to breast-fed children
Specific target organ toxicity	
—single exposure:	GHS : Category 1 ; Causes damage to organs. (nervous system, blood system, kidney)
—repeated exposure:	GHS : Category 1 ; Causes damage to organ through prolonged or repeated exposure. (nervous system, blood system, kidney)
Aspiration hazard:	GHS : No data available

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## Section12. Ecological information

Ecotoxicity:

Hazardous to the aquatic environment

short-term (acute) hazard : GHS : Category 1 ; Very toxic to aquatic life  
Algae (Raphidocelis subcapitata) EC<sub>50</sub>(72h)=21 µg Pb-diss/L  
(a converted value equivalent to this substance: 30 microg/L  
(AICIS IMAP, 2020)). (Pb-diss: dissolved lead)

long-term (chronic) hazard : GHS : Category 1 ; Very toxic to aquatic life with long lasting  
effects  
Algae (Raphidocelis subcapitata) ErC<sub>50</sub>(72h)=6.2 µg Pb-diss/L  
(a converted value equivalent to this substance: 9.7 microg/L  
(AICIS IMAP, 2020)). (Pb-diss: dissolved lead)

Hazardous to the ozone layer GHS : No data available  
No Freon or Halon

Fish toxicity: See above

Degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

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## Section13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed  
'Industrial Waste Haulers' for disposal of waste.

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## Section 14. Transport information

UN number: 1616  
IATA shipping name: LEAD ACETATE  
IATA classification: Class 6.1 (Toxic substances)  
IATA packing group: III  
HS code: 2915.29  
Marine pollution: Yes

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## Section 15. Regulatory information

TSCA inventory: listed.

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

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## Section 16. Other information

This SDS is for provision of information, and it does not represent a guarantee the properties or safeties of the product.

The information herein is based on the references we could obtained and the present state of our knowledge, however, this SDS does not always cover all information about the product. Some new information or amendments may be added afterwards.

Prior to use, please investigate the laws and regulations of the organization, area and country where the product is to be used. The information is intended to ordinary usage, in case of special handling, sufficient care should be taken.



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