

## GHS Safety Data Sheet

SDS No. : SBE01PAEG

Date Issued : 2020/06/18

Last updated 2024/08/19

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

#### Product Information

Product name: Sb Antimony

Product number:	Purity	Form	Size or Shape
SBE01PB	99.7%(2N7)	powder	300µm pass
SBE02PB	99.7%(2N7)	powder	150µm pass
SBE03PB	99.7%(2N7)	powder	45µm pass
SBE13PB	99%(2N)	powder	38µm pass
SBE05PB	99.9%(3N)up	powder	300µm pass
SBE06PB	99.9%(3N)up	powder	150µm pass
SBE07PB	99.9%(3N)up	powder	45µm pass
SBE08PB	99.999%(5N)	powder	300µm pass
SBE09PB	99.999%(5N)	powder	150µm pass
SBE14PB	99.99%(4N)	powder	75µm pass
SBE10PB	99.9999%(6N)	powder	300µm pass
SBE12PB	99.9999%(6N)G	powder	150µm pass

#### Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

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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
Specific target organ toxicity, repeated exposure: Category 2	No data available	Flammable solids : Category 2 Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label:



Pictograms or symbols:

Warning word: Warning

Hazard information	Description of precaution
Flammable solid May cause damage to organs (respiratory organs) through prolonged or repeated exposure	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/.../equipment. Take precautionary measures static discharge. Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. IN CASE OF FIRE: Wear protective gloves/eye protection/face protection.



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Use 《refer to our SDS》 to extinguish.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Dispose of contents/ container in accordance with local/national regulations.

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### Section 3. Composition / information on ingredients

Chemical or common name: Antimony  
Chemical formula: Sb  
Single Substance or Compound: Single substance  
Composition: 100%  
CAS #: 7440-36-0  
RTECS#: CC4025000  
TSCA inventory : listed  
EINECS: 2311465

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### 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.

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### Section5. Fire fighting measures

Extinguishing media: Dry sand, Perlite ,Metal fire extinguishers.  
DO NOT use water fog or foam, carbon dioxide.  
Fire fighting: Flammable material.  
Remove containers to safe place if possible.  
Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

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### 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:  
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.  
Wear disposable coveralls and discard them after use.  
Remove all sources of ignition.  
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.  
Absorb or cover with vermiculite or other suitable absorbent, and dispose of DOT-approved waste containers as much as possible.  
Carefully wash spill site with plenty of water after material pick up.



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## 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 the material in a sealed container.

Store in a cool, dry, well ventilated and dark place away from incompatible materials.

Air and moisture sensitive. Light sensitive.

Keep away from heat, sparks and naked flame.

Electrically ground all equipment when handling this material and use only non-sparking tools.

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## Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH(2024) : TLV-TWA 0.5 mg/m<sup>3</sup>

OSHA(2006) : PEL-TWA 0.5 mg/m<sup>3</sup>

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.

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## Section 9. Physical and chemical properties

Color and Form: Gray white metal, powder

Chemical formula: Sb

Formula weight: 121.76

Melting point: 630.63 °C

Boiling point: 1635 °C

Specific gravity: 6.691 g/cm<sup>3</sup>

Solubility: Insoluble; water

Soluble; aqua regia, nitric acid, hot conc. sulfuric acid

Flammability: Combustible substance

Oxidation: None

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## Section10. Stability and reactivity

Stability: Stable when stored in sealed container (at room temperature).

Reactivity

Condition to avoid: Heat, sparks

Incompatibility: Acids, strong oxidizing agent, halogens, metal powders

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## Section11. Toxicological information

Acute toxicity: GHS : No data available

Skin corrosive / irritation: GHS : No data available

Serious eye damage / irritation: GHS : No data available

Respiratory sensitization: GHS : No data available

Skin sensitization: GHS : No data available

Germ cell mutagenicity: GHS : No data available

Carcinogenicity: GHS : No data available

Reproductive toxicity: GHS : No data available

Specific target organ toxicity



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- single exposure: GHS : No data available
- repeated exposure: GHS : Category 2 ;  
May cause damage to organs (respiratory organs) through prolonged or repeated exposure

Aspiration hazard: GHS : No data available

## Section12. Ecological information

Ecotoxicity:

Hazardous to the aquatic environment

—acute toxicity: GHS : No data available

—chronic toxicity: GHS : No data available

Hazardous to the ozone layer GHS : No data available

No Freon or Halon

Fish toxicity: No data available

Degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

## Section13. 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: 2871

IATA shipping name: ANTIMONY POWDER

IATA hazard class: Class 6.1 (Toxic substances)

IATA packing group: III

HS code: 8110.10

Marine pollution: None

## Section 15. Regulatory information

TSCA inventory: Listed.

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

## 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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