

## GHS Safety Data Sheet

SDS No. : SNE01GAEG

Date Issued: 2007/11/13

Last updated: 2017/04/27

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

#### 1.1 Product Information

Product name: Sn Tin

Product number:	Purity	Form	Size (mm)	Product number:	Purity	Form	Size (mm)
SNE01GB	99.9%(3N)	grains, shots	2~3	SNE01RB	99.99%(4N)	tablet	φ 10×t 5
SNE02GB	99.99%(4N)	grains, shots	2~3	SNE02RB	99.99%(4N)	tablet	φ 20×t 5
SNE03GB	99.999%(5N)	grains, shots	2~3	SNE03RB	99.999%(5N)	tablet	φ 10×t 5
SNE05GB	99.9999%(6N)	grains, shots	2~3	SNE04RB	99.999%(5N)	tablet	φ 20×t 5
SNE01WB	99.9%(3N)	Wire	φ 0.5	SNE01CB	99.99%(4N)	chips	10×10×t1
SNE02WB	99.9%(3N)	Wire	φ 1	SNE02CB	99.99%(4N)	chips	5×5×t1
SNE03WB	99.9%(3N)	Wire	φ 2	SNE01SB	99.99%(4N)	sheet	100×100×t1
				—	4N~5N	target	Various sizes

#### 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
Specific target organ toxicity, repeated exposure ; Category 1	No data available	<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: C



Pictograms or symbols

Warning word: **DANGER**

#### Hazard information

**Causes damage to organ (Lung) through prolonged or repeated exposure.**

#### Description of precaution

Avoid breathing dust/fume.

Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling.

Call a POISON CENTER or doctor/physician if you feel unwell.

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

#### Additional hazard information :

Hazards mainly originate in dusting. With respect to additional hazard information, see Section 11.

**Section 3. Composition / information on ingredients**

Chemical or common name:	Tin
Chemical formula:	Sn
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	7440-31-5
EINECS:	2311418
TSCA inventory:	listed
RTECS#:	XP7320000

**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:	The product is nonflammable. Use media appropriate for surrounding fire.
Fire fighting:	Self-contained breathing apparatus and full protective clothing should be used, if this product is involved in fire.

**Section 6. Accidental release measures**

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dust / fume.
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:	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 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.
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**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: ACGIH(2013): 2 mg/m<sup>3</sup> , OSHA(2006) : 2 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, protective gloves.

**Section 9. Physical and chemical properties**

Color and Form: Silver, odorless.  
 Chemical formula: Sn  
 Atomic weight: 118.71  
 Melting point: 231.97 °C  
 Boiling point: 2270 °C  
 Density: 7.27 g/cm<sup>3</sup>  
 Solubility Water: Insoluble  
 Dissoluble: Acids, bases.  
 Flammable: Non-flammable substance  
 Oxidation: None

**Section 10. Stability and reactivity**

Stability: Stable in closed container under room temperature.  
 Reactivity:  
 Condition to avoid: Air, heat.  
 Incompatibility: Strong oxidizing agent, strong bases, acids, sulfur, halogens, .

**Section 11. Toxicological information**

Acute toxicity: GHS ; No data available  
 Skin corrosive / irritation: GHS ; No data available  
 Serious eyes damage / eye 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  
 –single exposure: GHS ; No data available  
 Specific target organ toxicity  
 –repeated exposure: GHS ; Category 1; Causes damage to organs(Lung) through prolonged or repeated exposure.  
 Aspiration hazard: GHS ; No data available

## Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment  
 –acute toxicity: GHS ; No data available

Hazards to the aquatic environment  
 –chronic toxicity: GHS ; No data available

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

## 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 classification: Non-hazards

UN number: None

HS code: 8003.00 (wire)  
 8007.00 (others)

Marine pollution: None

Precautions: Container should be transported in a secure position, in a well-ventilated  
 vehicle.

## 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.