

GHS Safety Data Sheet

SDS No. : INA01GAEG

Date Issued: 2017/10/11

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

1.1 Product Information

Product name: In-Sn(95 : 5%) Indium-tin alloy

Product number:	Purity	Form	Size (mm) or Shape
INA01GB	99.99%(4N)	shots	Various sizes

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.
 1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284
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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Specific target organ toxicity, repeated exposure : Category2	No data available.	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



Pictograms or symbols

Warning word: **DANGER**

Hazard information

May cause damage to organ through prolonged or repeated exposure. (lung)

Description of precaution

Avoid breathing dust/fume/vapors. 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 : With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Single Substance or Mixture: Mixture

Hazardous Ingredients	Formula	Cas No.	TSCA Inventory	EINECS	RTECS No.
Indium	In	7440-74-6	listed	2311800	NL1050000
Tin	Sn	7440-31-5	listed	2311418	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: This product cannot catch fire. 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 spilled 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:
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.

Precautions to be taken in storage:

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

Section 8. Exposure controls / personal protection

Exposure guideline:

Chemical Name	ACGIH(2013) TLV-TWA mg/m ³	OSHA(2006) PEL-TWA mg/m ³
Indium	0.1	—
Tin	2	2

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: Solid, odorless.

Flammable: Non-flammable substance

Oxidation: None

Ingredients Name	Formula	Formular weight	Melting Point(°C)	Boiling Point(°C)	Density (g/ cm ³)	Water Solubility
Indium	In	114.82	156.6	2080	7.31	insoluble
Tin	Sn	118.7	231.97	2270	α :5.77, β :7.27	insoluble

Section 10. Stability and reactivity

Stability: Stable at room temperature.

Reactivity

Incompatibility: No data available

In: Strong acids, strong oxidizing agent, strong bases, halogens.

Sn: Strong oxidizing agents, strong bases, acids, halogens, sulfur.

Codition to avoid ; Heat, moisture.

Section 11. Toxicological information

Acute toxicity(Oral): GHS : Not classified.; Falls below the lowest level.
Ag: oral rat LD₅₀ = 4200 mg/kg (PATY 5th(2001))
Acute toxicity estimate ATEmix >2000 mg/kg ; Not classified

Acute toxicity(Dermal, Inhalation) : 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.

—repeated exposure: GHS : Category 2 ; May cause damage to organ through prolonged or repeated exposure. (lung)

Aspiration hazard: GHS ; No data available

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

– acute toxicity: GHS : No data available

– chronic toxicity: GHS : No data available

Hazardous 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

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: 8112.99

Marine pollution: None

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

Section 15. Regulatory information

TSCA inventory : In, Sn ; 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.