

Safety Data Sheet

Product No. 29-49 Indium Products, Pieces

Issue Date (03-21-18)

Review Date (10-15-18)

Section 1: Product and Company Identification

Product Name: Indium Products, Pieces

Synonym: In

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

GHS Pictograms: None. Not considered a hazardous substance.

GHS Categories: None known.

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

This substance is not classified as hazardous according to 29 CFR 1910 (OSHA HCS)

Classification according to Regulation (EC) No 1272/2008: This substance is not classified as hazardous to health or the environment according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Signal Word: NA

Hazard pictograms: Not applicable.

Hazard statements: Not applicable.

WHMIS classification: Not controlled.

Health Effects:

NFPA Hazard Rating: Health: ND; Fire: ND; Reactivity: ND

HMIS® Hazard Rating: Health: 0; Fire: 0; Reactivity: 0

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A chemical safety assessment has not been carried out.

PBT: NA

vPvB: NA

Emergency overview:

Appearance: Silver solid in various sizes.

Immediate effects: Not considered a hazardous substance.

Potential health effects

Primary Routes of entry: Skin and eye contact.

Signs and Symptoms of Overexposure: ND

Eyes: May cause eye irritation.

Skin: Generally this product does not irritate the skin.

Ingestion: ND

Inhalation: May cause respiratory irritation from powder/dusts.

Chronic Exposure: ND

Chemical Listed As Carcinogen or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Indium (7440-74-6) EC-No: 231-180-0	~99.99	0.1	0.1	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Skin Contact: Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

Generally this product does not irritate the skin.

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

Ingestion: Seek medical treatment.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: No further relevant information.

Section 5: Fire Fighting Measures

Flash Point: ND

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Special powder for metal fires. Do not use water.

Special Fire Fighting Procedures: No special measure required. Wear self-contained respirator. Wear fully protective impervious suit.

Unusual Fire and Explosion Hazards: None known.

Hazardous combustion products: Metal oxide fume.

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled:

Personal Precautions, protective equipment and emergency procedures: Not required.

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

Methods and material for containment and cleaning up: Pick up mechanically.

Protective Action Criteria for Chemicals:

PAC-1: 0.3 mg/m³

PAC-2: 3.3 mg/m³

PAC-3: 20 mg/m³

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage: Keep container tightly sealed. Store in a cool, dry place in tightly closed containers. Do not store together with acids. Store away from oxidizing agents.

Storage temperature: Room temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Not required

Personal Protection Equipment

Respiratory protection: Not normally required. Use suitable respirator when high dust concentrations are present.

Protective gloves: Impervious gloves not required but recommended. Check protective gloves prior to each use for their proper condition.

Skin protection: Protective work clothing.

Eye protection: Safety glasses.

Additional clothing and/or equipment: The usual precautionary measures for handling chemicals should be followed.

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Silver solid in various sizes.

Odor (threshold): Odorless.

Specific Gravity (H₂O=1): ND

Vapor Pressure (mm Hg): NA

Vapor Density (air=1): NA

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): NA

Boiling Point: 2072 °C (3762 °F)

Freezing point / melting point: 156.6 °C (314 °F)

pH: NA

Solubility in Water: Insoluble

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials.

Materials to Avoid (Incompatibility): Oxidizing agents, acids.

Hazardous Decomposition Products: Indium oxide fume.

Hazardous Polymerization: ND

Section 11: Toxicological Information

Results of component toxicity test performed:

LD/LC50 values that are relevant for classification: ND

Skin irritation or corrosion: May cause irritation.

Eye irritation or corrosion: May cause irritation.

Sensitization: No sensitizing effects known.

Germ cell mutagenicity: No effects known.

Carcinogenicity: ND

Reproductive toxicity: No effects known.

Specific target organ system toxicity: No effects known.

Aspiration hazard: No effects known.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer to the environment.

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None.

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated.

IATA: Proper shipping name: Not regulated.

Marine Pollutant: No

Canadian TDG: Not regulated.

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: Substance is not listed.

SARA Title III: Substance is not listed.

RCRA: Not listed.

TSCA: All components are listed on the TSCA public inventory.

CERCLA: Substance is not listed.

State Regulations

California Proposition 65: Substance is not listed.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: 231-180-0

Section 16: Other Information

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these

materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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