



IMC

SAFETY DATASHEET

Tin METAL

Issue Date: 07/14/2023

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product form: Solid Product Name: Tin Formula: Sn Synonyms: N/A

INTENDED USE OF PRODUCT

Use: Industrial; professional use only

EMERGENCY TELEPHONE NUMBER

CHEMTEL 24 HR Emergency number: 1-800-255-3924

SUPPLIER

IMC-MetalsAmerica, LLC
135 Old Boiling Springs Road
Shelby, NC 28152
704 482-8200

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Not a dangerous substance according to GHS classification

criteria. No known OSHA hazards.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE			
Name	Product Identifier	%	Classification (GHS-US)
Tin, Metal	7440-31-5	100	N/A

SECTION 4: FIRST AID MEASURES

General First-aid Measures: Never give an unconscious person anything by mouth. If you feel unwell, seek medical attention. (show label when possible)

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

EYES: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SKIN CONTACT: After contact with skin, wash immediately with plenty of water. **Molten Metal:** Flush contact area to solidify and cool but do not attempt to remove encrusted material or clothing. Cover burns and seek medical attention immediately.

INGESTION: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use Media suitable to extinguish surrounding fire.

FIRE FIGHTING METHODS AND PROTECTION: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

FIRE AND/OR EXPLOSION HAZARDS: Combustible in the form of dust when exposed to heat or by spontaneous chemical reaction with Br₂, BrF₃, S, Cl₂, ClF₃, Cu(NO₃), K₂O₂.

HAZARDOUS COMBUSTION PRODUCTS: Tin compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:

No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid creating and inhaling dust.

STORAGE: Store locked up. Keep container tightly closed in a cool, well-ventilated place.

STORAGE CODE: Green - general chemical storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME: TIN, METAL

<u>ACGIH</u>		<u>OSHA PEL</u>	
<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
2 MG/M3	N/A	2 Mg/m3	N/A

CONTROL PARAMETERS/ ENGINEERING MEASURES: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Heat resistant gloves, eye wash, safety shower.

RESPIRATORY PROTECTION No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

EYE PROTECTION: Wear Safety glasses when handling this product. Have an eye wash station available.

SKIN PROTECTION: Avoid skin contact by wearing heat resistant gloves and other protective equipment depending upon conditions of use. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

GLOVES: Heat resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORMULA: Sn	FREEZING POINT: No data available
MOLECULAR WEIGHT: 118.69	FLAMMABILITY: No data Available FLASH
APPEARANCE: Grey Metallic Solid	POINT: No data available
ODOR: None	AUTO IGNITION TEMPERATURE: No data available
PHYSICAL STATE: Solid	DECOMPOSITION TEMPERATURE: No data available
pH: No data available	VAPOR PRESSURE : 1.3332 hPa at 1492°C
MELTING POINT: 450° F (232°C)	SPECIFIC GRAVITY: 7.28 (Water = 1)
BOILING POINT: 4717° F (2603°C)	RELATIVE VAPOR DENSITY AT 20°C: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not generally reactive under normal conditions.
CHEMICAL STABILITY: Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.
CONDITIONS TO AVOID: None known.
INCOMPATIBLE MATERIALS: Chlorine, Halogens, Bromine, Trifluoride, strong acids, strong oxidizing agents, Sulfur, Alkali, and Alkaline metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Tin Compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation and ingestion.

SYMPTOMS (ACUTE): Reproductive systems

DELAYED EFFECTS: No data available

ACUTE TOXICITY:

CHEMICAL NAME:	CAS NUMBER	ORAL LD50	DERMAL LD50	INHALATION LC50
Tin, Metal	7440-31-5	N/A	N/A	N/A

CARCINOGENICITY:

CHEMICAL NAME:	CAS NUMBER	IARC	NT P N/A	OSHA
Tin, Metal	7440-31-5	N/A	N/A	N/A

CHRONIC EFFECTS:

MUTAGENICITY: No evidence of a mutagenic effect. **TERATOGENICITY:** No evidence of a teratogenic effect (Birth defect)

SENSITIZATION: No evidence of a sensitization effect.

REPRODUCTIVE: No evidence of negative reproductive effects.

TARGET ORGAN EFFECTS:

ACUTE: None

CHRONIC: None

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: This material is not expected to be harmful to the ecology.

MOBILITY: N/A

PERSISTANCE: N/A

BIOACCUMULATION: N/A

CHEMICAL NAME:	CAS NUMBER	ECO TOXICITY
TIN METAL	7440-31-5	N/A

DEGRADABILITY: N/A

OTHER ADVERSE EFFECTS: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

WASTE DISPOSAL CODE(S): Not determined.

SECTION 14: TRANSPORT INFORMATION

GROUND- DOT PROPER SHIPPING NAME:

AIR- IATA PROPER SHIPPING NAME:

Not regulated for air transport by IATA

Not regulated for transport by US DOT

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: All components in this product are on the TSCA Inventory.

CHEMICAL NAME:	CAS NUMBER	§ 313 NAME	§ 313 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Tin, Metal	7440-31-5	Tin	No	No	No	No

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. IMC-MetalsAmerica makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Safety Data Sheet.

Glossary:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service Number

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: U.S. Department of Transportation

IARC: International Agency for Research on Cancer

N/A: Not Available

IDLH: Immediately dangerous to life and health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PPM: Parts per million

RCRA: Resource Conservation and Recovery Act SARA: Superfund Amendments and Reauthorization Act TLV: Threshold

Limit Value
TSCA: Toxic Substances Control Act

NOTICE TO READER

Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration, and investigation. IMC-MetalsAmerica LLC extends no warranty and assumes no responsibility for the accuracy of the content and expressly disclaims all liability for reliance thereon. This material safety data sheet provides guidelines for the safe handling and processing of this product; it does not and cannot advise on all possible situations. Therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.