

MATERIAL SAFETY DATA SHEET**I. PRODUCT IDENTIFICATION**

Product Name: Anode Ribbon 10 Tin CAS number: N/A - mixture
 Chemical Name & Synonyms: N/A - mixture
 Appearance: Shiny metal strips
 Use: Solder metal
 Distributed By: The Easthill Group dba/ The Eastwood Company
 263 Shoemaker Road, Pottstown, PA 19464
 USA & Canada: 800-345-1178 Outside USA: 610-323-2200
 CALL CHEMTREC (800) 424-9300 * Available 24 Hours

EMERGENCY PHONE No.

II. CHEMICAL COMPOSITION

<u>Material</u>	<u>SARA III</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Tin		7440-31-5	2 mg/m ³	

Others, if any, are non-hazardous and are claimed as trade secret.

Hazard Rating: HMIS: (H=0 F=0 R=0 PE=A) NFPA: (H=0 F=0 R=0)

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: Caution: Prolonged overexposure to tin dust/fumes can result in benign pneumoconiosis (stannous)
 Effects of Chronic Exposure: See target organ statement
 Effects of Acute Overexposure:
 Swallowing: May irritate stomach lining.
 Skin Absorption: None currently known
 Inhalation: Irritation of mucous membranes and respiratory system
 Skin Contact: May irritate skin
 Eye Contact: Irritation.

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Give water; induce vomiting only in a conscious, non-convulsing individual; obtain immediate medical assistance.
 Skin: Normal hygiene and first aid procedures- wash with soap and water. If irritation or rash develops obtain medical help.
 Inhalation: Remove from exposure. Obtain immediate medical attention.
 Eyes: Flush thoroughly with running water for at least 15 minutes to remove particles. If irritation persists, get medical attention.

V. FIRE AND EXPLOSION DATA

Flash point (°F): N/A
 Flammable limits in air : LOWER: N/A UPPER: N/A (% by volume)
 Extinguishing media: Dry chemical or media for metal fires
 Special fire fighting method: If involved in fire, use full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus in a positive pressure mode.

VI. REACTIVITY INFORMATION

Stability considerations / Conditions to avoid: Stable / None
 Hazardous polymerization / Conditions to avoid: Will not occur / None
 Incompatibility, Materials to avoid: Chlorine, Turpentine
 Hazardous combustion or decomposition products: At temperatures above the melting point, metal oxide fumes may evolve.

VII. SPILL AND LEAK RESPONSE

Steps to be taken if material is released or spilled: If dust forms, minimize exposure. Clean up without dust generation (vacuum)
 Waste disposal method: Place in closed, labeled container for recycling or disposal. Dispose of in accordance with all federal, state, and local regulations.

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Respiratory protection: Required when airborne exposures exceed US OSHA/ACGIH levels.
 Ventilation: Good general dilution ventilation.
 Protective gloves: Recommended for prolonged contact/heat
 Eye protection: Safety glasses or goggles are recommended to avoid dust particles.
 Other protective method: Review operations to avoid contact with hazardous gas, liquid or solid. See also:
 29 CFR 1910.132 - 29 CFR 1910.140. Personal Protective Equipment
 29 CFR 1910.251 - 29 CFR 1910.257. Welding, Cutting and Brazing

IX. STORAGE, HANDLING AND SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Practice good housekeeping to avoid dust accumulations. Keep material dry. Avoid incompatible materials.
 Other precautions: Water in molten material can cause an explosion.

X. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point (°F):	450	Specific gravity (H ₂ O = 1 @ 72°F):	7.31 for solid strip
Evaporation rate (butyl acetate = 1):	nil	Solubility in water:	Insoluble

XI. OPTIONAL INFORMATION

Department of Transportation:	DOMESTIC GROUND
Proper shipping name:	Non-regulated
Hazard Class:	N/A
ID & Packing Group No.	N/A
ERG Guide Number:	N/A

Toxic Substance Control Act: All components of this compound are listed within the TSCA inventory.

SARA Title III Program:

Hazard Communication Program:

State Right-to-Know Programs:

Pennsylvania:	This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: Tin
California:	This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None

NOTES: NA=Not Applicable NE=Not Established PE=Personal Equipment
 H=Health F=Fire R=Reactivity

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