

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

Manufactured For:  
 The Easthill Group DbA/The Eastwood Company  
 263 Shoemaker Road  
 Pottstown, PA 19464  
 USA & Canada: 800-345-1178  
 Outside USA: 610-323-2200  
Emergency contact: Chem-Trec: 800-424-9300

**II. CHEMICAL COMPOSITION**

Material  
 Tin

SARA III

CAS Number  
 7440-31-5

OSHA PEL  
 2 mg/m<sup>3</sup>

ACGIH TLV

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.

**MATERIAL SAFETY DATA SHEET****VIII. SPECIAL PROTECTION INFORMATION**

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.  
 Water in molten material can cause an explosion.  
 Other precautions:

**X. PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point (°F): 450  
 Evaporation rate (butyl acetate = 1): nil

Specific gravity (H<sub>2</sub>O = 1 @ 72°F): 7.31 for solid strip  
 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  
 This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None

California:

NOTES: NA=Not Applicable  
 H=Health

NE=Not Established  
 F=Fire

PE=Personal Equipment  
 R=Reactivity

While we believe all information presented herein is accurate and reliable, the data are not to be taken as a guarantee or representation of any kind for which Force Industries assumes legal responsibility. They are offered solely for your consideration, investigation, and verification.