

Nathan Trotter & Co.
Coatesville, PA 19320
Ph: 610-524-1440
Material Safety Data Sheet

Section 1 Identification

Product Name:	Tin Metal	Health:	0
Chemical Family:	Metal	Flammability:	0
Formula:	Sn	Reactivity:	0
RTECS:	XP7320000	Hazard Scale: Least Slight Moderate High Extreme 0 1 2 3 4	
C.A.S	CAS# 7440-31-5	NA = Not Applicable NE = Not Established	

Section 2 Component Mixture

Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/> Tin Metal	CAS# 7440-31-5	100%	W/W	OSHA PEL 2 mg/mf

Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Section 4 First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type: Special powder or dry sand. Do not use water!

Fire/Explosion Hazards: Dust at sufficient concentrations can form explosive mixtures with air.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Nathan Trotter & Co., Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.

Section 6 Accidental Release Measures

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Section 7 Handling and Storage

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection: NIOSH approved dust mask

Mechanical: Hand Protection: Gloves to prevent skin exposure as latex or vinyl
 Eye Protection: Splash Goggles
 Local Exhaust:

Other Protective Equipment: Wear appropriate

Section 9 Physical and Chemical Properties

Melting Point:	232° C	Specific Gravity	7.31
Boiling Point:	2507° C	Percent Volatile by Volume:	0
Vapor Pressure:	1 @ 1609° C	Evaporation Rate:	N/A
Vapor Density:	Information not available	Evaporation Standard:	
Solubility in Water:	Insoluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Silvery granules, bars, or mossy flakes	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable **Conditions to Avoid:** Moisture
Materials to Avoid:
 Halogens, halogen trifluorides, sulfur, potassium peroxide, acids
Hazardous Decomposition Products:
 None
Hazardous Polymerization: Will Not Occur
Condition to Avoid: None known

Section 11 Additional Information

Effects of overexposure, Acute and Chronic: No effects expected to skin. May cause mechanical abrasion to eyes. Prolonged inhalation of dust or fume may result in a benign pneumoconiosis, producing distinctive changes in the lungs with no apparent disability or complications. Conditions aggravated/target organs: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:1 Date Entered: 12/13/06 Approved by: LME