

Nathan Trotter & Co.

Material Safety Data Sheet

Section 1 Identification

Product Name:	Tin-Lead 60/40 Alloy	Health:	2
		Flammability	2
		Reactivity	0
Chemical Family:	Metal	Hazard Scale:	
Formula:	Sn/Pb	Least Slight Moderate High Extreme	
C.A.S	7440-31-5 7439-92-1	0 1 2 3 4	
		NA = Not Applicable NE = Not Established	

Section 2 Component Mixture

Component	CAS Number	%	Dim	Exposure Limits:
Tin	CAS# 7440-31-5	60%	W/W	2 mg/mf
Lead	CAS# 7439-92-1	40%		.05 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

INHALATION: Lead intoxication may occur from high temperature solder exposure. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

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.

INGESTION: Do not induce vomiting. Contact a physician.

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. Toxic fumes may be generated at elevated temperatures.

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

Ventilation:	Mechanical:	Hand Protection:	Gloves to prevent skin exposure as latex or vinyl
	<input type="checkbox"/>	Eye Protection:	Splash Goggles
	Local Exhaust:		
	<input checked="" type="checkbox"/>		

Other Protective Equipment: Wear appropriate

Section 9 Physical and Chemical Properties

Melting Point:	360-620°F	Specific Gravity	8.52g/cc
Boiling Point:	2984°F	Percent Volatile by Volume:	0
Vapor Pressure:	Not volatile	Evaporation Rate:	N/A
Vapor Density:	Information not available	Evaporation Standard:	
Solubility in Water:	Insoluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Silvery-Gray granules, bars	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 Polymerization: Will Not Occur
 Condition to Avoid: None known

Section 11 Additional Information

This product contains lead, known to cause birth defects or other reproductive harm. This product is not listed as a carcinogenic by the National Toxicology Programs (NTP) nor is it regulated as a carcinogenic by the Occupational Safety and Health Administration (OSHA).

DOT Classification: Not Regulated

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

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