

**SAFETY DATA SHEET**

Info Furnished By: K-T INDUSTRIES INC  
 3112 NORTHWEST BLVD  
 Sheldon, Ia 51201  
 Date Effective: 1/1/2015  
 Emergency Phone: 712-324-5361

**Product or Trade Name:** Sn/Pb Solder

**Section 02****Constituents**

<u>CHEM</u>	<u>CAS</u>	<u>%WT</u>	<u>CARCINOGEN</u>	<u>TLV/TW</u>
Tin	7440-31-5	0-100	NO	2mg/cu m ACGIH 2mg/cu m (inorganic) OSHA 0.01mg/cu m (organic) OSHA
Lead	7439-92-1	0-100	NO	0.5mg/cu m ACGIH 0.05mg/cu m OSHA (PEL)
Antimony	7440-36-0	0-5	NO	0.5mg/cu m ACGIH/OSHA
Silver	7440-22-4	0-5	NO	0.1mg/cu m ACGIH 0.01mg/cu OSHA

This product contains a chemical subject to SECTION 313 of SARA Title III.

**Section 03****Physical Data**

Melting Point	360-620 Degrees depending on composition
Boiling Point	N/A
Vapor Pressure	Not volatile
Vapor Density (air is 1)	Not volatile
Solubility in Water	N/L
Appearance and Color	Silver or gray colored metal
Specific Gravity	7-11 approx. depending on composition
Odor	None
% Volatile	N/L
Ph	N/A
Evaporation Rate (nBuAc=1)	N/A

**Section 04****Fire and Explosion Hazard Data**

Flash Point/Method Used	Not Flammable
Flammable Limits	N/A
Extinguishing Media	N/A
Fire-Fighting Equipment	If metal is present where there is a fire, wear self-contained breathing apparatus in case of Poisonous lead fumes
Special Precautions	None

**Section 05****Reactivity Data**

Stability:	Stable
Conditions to avoid	N/A
Hazardous Polymerization	Will not occur
Incompatibility	Strong acids, oxidizers, reducing agents, halogens
Hazardous Decomposition Products	Lead fumes at high temperatures (above 800 degrees F)

**Section 06****Spill, Leak and Disposal Procedures**

Action to take for spills/leaks	Allow to solidify and collect in sealed drums for disposal.
Disposal Method:	Return to supplier for reprocessing

**Section 07****Health Hazard Data**

Eye:	Dust or fumes will be irritant.
Skin Contact:	Not a route of entry into the body.
Skin Absorption:	Not a route of entry into the body.
Ingestion:	Ingestion of dust or fume must be avoided. Lead is toxic and cumulative, affecting the kidneys, reproductive system and nervous system. Symptoms of chronic overexposure include anemia, weakness, irritability, constipation and stomach pains. Antimony is toxic and dust can cause nasal septal ulceration and stomach lining irritation. Tin is not regarded as toxic, but exposure can cause fever, nausea, stomach cramps or diarrhea. Alloyed silver is unlikely to be hazardous. This product, when used for welding and similar applications. Produces chemicals known to cause cancer and birth defects (or other reproductive harm.) (California Health & Safety Code 25249.5 et seq)
Inhalation:	Inhalation of dust and fumes must be avoided. Irritation of nose and bronchial tracts may occur as well as effects due to absorption of lead ect. In blood stream.
Systemic & Other Effects:	UNK.

**Section 08****First Aid Procedures**

Eyes:	Flush with water for 15 minutes.
Skin:	Wash thoroughly with soap and water. Remove contaminated clothes.
Ingestion:	Induce vomiting of person is conscious. Get medical attention.
Inhalation:	Remove to fresh air. Get medical attention.
Note to Physician:	N/A

**Section 09****Special handling Information**

Ventilation:	If fume or dust is being generated, mechanical ventilation must be provided to maintain exposure levels below TLV's.
Respiratory Protection:	Only required TLV's are exceeded. Use a NIOSH/MSHA approved respirator for toxic dust and/or fume. NOTE: See 29CFR1910.1025 Subpart (f) of OSHA's Lead Standard.
Eye Protection:	Wear safety glasses during soldering operations.
Skin Protection:	Not normally needed.
Other:	N/A

**Section 10****Special Precautions and Additional Information**

Storage:	Store in dry condition. No expiration date.
Information:	Lead use is regulated under OSHA 29CFR 1910.1025. No food or drink should be allowed in area where these products are handled. Personnel must wash thoroughly after handling the metal before drinking, eating or smoking.

**Section 11****Transportation**

Proper Shipping Name:	Not required
UN Number:	N/A
NA Number:	N/A
Dot Exemption No.:	N/A
Hazard Classes:	N/A

The information is given in good faith, but no warranty, express or implied in made.