

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY** (As Used on Label and List)  
All rosin core including 60/40

*Note: Blank space are not permitted, if and item is not applicable, or no information is available, the space must be marked to indicate that.*

<b>Section I</b>	
Manufacturer's Name PRECISE ALLOYS, INC.	Emergency Telephone Number 732-233-5951
Address (Number, Stree, City, State, and ZIP Code) 684 E. 133rd Street, Bronx, N.Y. 10454	Telephone Number for Information 1-800-345-2660
Trade Name and Synonyms	Date Prepared 7/1/03
Tin/Lead Formulation to Specification	Signature of Preparer (optional)

<b>Section II - Hazardous Ingredients/Identity Information</b>				
Hazardous Components (Special Chemical Identity; Common Name(S))	OSHA PEL	ACGIH TLV	CAS #	% (optional)
LEAD(PB)	.05mg/cu	.5mg/cu	7439-92-1	30-50
TIN(SN)	2.0mg/cu	2.0mg/cu	7440-31-5	40-70
Rosin	10mg/cu	10mg/cu	8050 09 7	0-3

<b>Section III - Physical/Chemical Characteristics</b>				
Boiling Point	Tin (centigrade) Lead(centigrade)	n/a n/a	Specific Gravity (H2o = 1)	Tin 7-11 Lead 7-11
Vapor Pressure (mm Hg.)	Tin N/A Lead N/A		Melting Point	376 farenheit
Vapor Density (AIR = 1)		N/A	Evaporation Rate (Butly Acetate = 1)	N/A
Solubility in Water	negligible			
Appearance and Odor	grey color-slight odor			

<b>Section IV - Fire and Explosion Hazard Data</b>				
Flash Point (Method Used)	not flammable	Flammable Limited	LEL	UEL
Extinguishing Media	N/A	n/a		
Special Fire Fighting Procedures	If metal is present wear self contained breathing apparatus in case of poisonous lead fumes			
Unusual Fire and Explosion Hazards	None			

(Reproduce locally) OSHA 174, Sept. 1985

<b>Section V - Reactivity Data</b>				
Stability	Unstable Stable	X	Conditions to Avoid	none known
Incompatibility (Materials to Avc Strong acids,oxidizers, reducing agents)				
Hazardous Decomposition or B Lead fumes at high temperatures(800 degrees farenheit)				
Hazardous Polymerization	May Occur Will Not Occur	X	Conditions to Avoid	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Remove patient from area to fresh air. Refer to- Physician.	NO	Seek medical attention immediately

Health Hazard: Inhalation-Irritation of nose and bronchial tracts as well as effects of lead absorption  
Eyes-irritation, reddening and tearing

Carcinogenicity:	NTP	IARC Monographs?	OSHA Regulated?
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Not confirmed as human carcinogens at this time by NTP,IARC,OSHA

Lead is toxic and cumulative affecting kidneys, reproductive and nervous system. Symptoms of chronic overexposure include anemia, insomnia, weakness, irritability, stomach pain. Tin is not regarded toxic but excessive exposure can cause fever, nausea stomach cramps or diarrhea. This product for welding or similar applications produces chemicals known to cause cancer and birth defects.

Medical Conditions

Generally Aggravated by Exposure

Emergency ar Wash thoroughly, remove contaminated clothing, move to fresh air, if ingested induce vomiting  
in conscious person, seek medical attention immediately.

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Allow to solidify and collect in sealed containers for disposal.

Waste Dispos: Return to supplier for reprocessing

Precautions to Be Taken in Handling and Storing

If fumes or dust are being generated mechanical ventilation must be provided to maintain exposure  
level below TLV'S. Respiratory protection is recommended but only required if TLV'S are exceeded.

Wear safety glasses during soldering applications. Wash hands thoroughly.

Store in dry conditions.

Other Precautions

see OSHA 29CFR 1910.1025 (Lead); and/or 29CFR 1910.1000(Tin)

## Section VIII - Control Measures

Respiratory P	If TLV (s) exceeded, see OSHA 29CFR 1910.1025 table II (lead) and/or 1910.134 (tin)	
Ventilation	Local Exhaust ANSI 79.2-1960 - (fume hood over soldering area)	Special
	Mechanical (General) ACGIH "Industrial Ventilation" 13th edition	Other

Protective Glo normally not needed  
wash thoroughly

Eye Protection Safety glasses recommended

Other Protecti As required to meet applicable OSHA 29CFR 1910.1025 (lead) and/or 29CFR 1910.1000 (tin) when TLV(s) exceeds