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)*
Tin lead solder bar and wire

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.

Section I

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)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Special Chemical Identity; Common Name(S))	OSHA PEL	ACGIH TLV	CAS #	% (optional)
LEAD(PB)	0.05mg/m3	.05mg/M3	7439-92-1	0-99
TIN(SN)	2.0mg/m3	2.0mg/m3	7440-31-5	0-99

Section III - Physical/Chemical Characteristics

Boiling Point	Tin (centigrade) 2260 Lead(centigrade) 1740	Specific Gravity (H2o = 1)	Tin 7.28 Lead 11.35
Vapor Pressure (mm Hg.)	Tin N/A Lead N/A	Melting Point	327.5 centigrade
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butly Acetate = 1)	N/A
Solubility in Water	negligible		
Appearance and Odor	grey color-no odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limited	LEL	UEL
Extinguishing Media	N/A			
Special Fire Fighting Procedures				
	will not burn-use appropriate methods for surrounding materials			
Unusual Fire and Explosion Hazards				
	None			

(Reproduce locally)

OSHA 174,
Sept. 1985

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	none known
Incompatibility (Materials to Avc	peroxides, metals,strong acids,strong oxidizing agents,acids,chlorines		
	moisture , strong alkalies		
Hazardous Decomposition or B	metal fumes,toxic fumes		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	**Inhalation?**	**Skin?**	**Ingestion?**
	Remove patient from area	If molten treat as burn. Eyes: flush -	Seek medical
	to fresh air. Refer to-	with clean water-get immediate	attention
	Physician.	medical attention	immediately

Health Hazarc Inhalation-moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache

Eyes-irritation, reddening and tearing

Skin-can cause slight irritation

Carcinogenicity:	NTP	IARC Monographs?	OSHA Regulated?

Not confirmed as human carcinogens at this time by NTP,IARC,OSHA

No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Women of child bearing age should avoid exposure. No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Medical Conditions

Generally Aggravated by Exposure

Emergency ar Seek medical attention immediately

Section VII - Precautions for Safe Handing and Use

Steps to Be Taken in Case Material Is Released or Spilled

Exposure to spilled material may be irritating or harmful. Wear complete and proper personal protective equipment. Gather and store in sealed conatiner pending a waste disposal evaluation. Do not use broom or air cleaning etc.

Waste Dispos: Return to supplier to be recycled for metal unit value. Spent or discarded material is probably a hazardous waste. Dispose of in accordance with Federal, State, Local laws&regulations.

Precautions to Be Taken in Handling and Storing

Wash hands after handling. Remove contaminated clothing and wash before reuse.

Avoid contacting and breathing material. Use only in well ventilated area.

No special storage required.

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 YES	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