

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)

97SN/3CU/SOLID WIRE & BAR(Pure Bond)

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, Street, City, State, and ZIP Code) 684 E. 133rd Street, Bronx, N.Y. 10454	Telephone Number for Information 1-800-345-2660
	Date Prepared 7/1/03
	Signature of Preparer (optional) HAL STUHLER

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Special Chemical Identity; Common Name(S))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
INGredient CAS NO.				
Tin 7440-31-5	2.0mg/m3	2.0mg/m3	97optimum	
Copper 7440-50-8	1.0mg/m3	1.0mg/m3	3	

Section III - Physical/Chemical Characteristics

Boiling Point (C°) N/A	Specific Gravity (H2O = 1) 7.39
Vapor Pressure (mm Hg.) N/A	Melting Point 227-250(C°)
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butly Acetate = 1) INSOLUABLE
Solubility in Water N/A	
Appearance and Odor Solid-Silver to gray metallic-no odor	

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Non-Flammable	Flammable Limited N/A	LEL N/A	UEL N/A
Extinguishing Media No specific agents available			
Special Fire Fighting Procedures apparatus operated in a positive-pressure mode.			
Unusual Fire and Explosion Hazards The solid metal form is not a fire hazard. However, dust generated from processing operations may present a moderate fire or explosion hazard.			

(Reproduce locally)

OSHA 174,
 Sept. 1985

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
Stable	Stable	X	N/A
Incompatibility (Materials to Avoid)			
Hazardous Data: At temperatures above the melting point lead oxide fumes may be evolved.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Health Hazard: *Prolonged exposure to tin can result in benign pneumoconiosis. Prolonged exposure to antimony can lead to kidney and liver damage and central nervous system disorders. Prolonged exposure to copper can cause metal fume fever.*

Carcinogenicity:	NTP	IARC Monographs?	OSHA Regulated?
Not listed	No	No	No

Signs and Symptoms: *Abdominal cramps, metal taste, dry throat, coughing and chills, tight chest, dyspnea, headache blurred vision, nausea, vomiting, and or fatigue. Symptoms usually appear with 24 hours.*

Medical Conditions: *Generally Aggravated Pre-existing conditions of the lungs and Wilson's Disease.*

Emergency and First Aid: *Skin-normal hygiene procedures-wash with soap and water. If rash develops get medical attention. Eyes-flush well with running water to remove particulate. If irritation persists seek medical attention. Inhalation-remove from exposure and get medical attention. Ingestion-give water, induce vomiting in a conscious individual and seek medical attention.*

Section VII - Precautions for Safe Handling and Use

- Steps to Be Taken in Case Material Is Released:
- 1) Keep out of waterways
 - 2) If in dust form minimize exposure
 - 3) Cleanup using dustless method (ie-vacuum)
 - 4) Cleanup personnel should wear protective clothing, respirator protection, and safety glasses.

Waste Disposal Method: *Material has a value on a recycled basis. Place in closed labeled containers for recycling.*

Precautions to Be Taken in Handling and Storage: *Practice good housekeeping procedures to prevent dust accumulations. Keep product away from children and their environment.*

Other Precautions: *Special attention is drawn to the requirements of the OSHA Respirator (1910.134) should air borne exposures exceed the U.S. OSHA PEL.*

Section VIII - Control Measures

Respiratory Protection (Specify Type): *Dust and metal fume respirator.*

Ventilation	Local Exhaust	Mechanical (general)	Special
	YES	NOT REQUIRED	NOT REQUIRED
Protective Gloves:		Eye Protection :	
YES		YES	

Other Protective Clothing or Equipment:

Work/Hygiene: *Wash hands and face with soap and water-OFTEN.*