



Material Safety Data Sheet

SECTION I: Product and Company Identification	
Common Name: ASTM B23 – Grade - 1	In Case Of Emergency
Trade Name: RST BABBITT	Canutec (CAN): (613) 996-6666
Chemical Family: Lead Based Alloy	Infotrac (USA): (800) 535-5053
Material Use: Soldering, Pouring	International: (352) 323-3500
Supplier Name: Alchemy Extrusions 23 Chapple Street Hamilton, ON Canada, L8L 8K7	Date Prepared: February 2001
	Reviewed: May 2012

SECTION II: Composition and Information on Ingredients				
Name	CAS #	% by Weight	Exposure Limit	LD50 oral, rat
Tin (Sn)	7440-31-5	55-57	2.0 mg/m ³	72 mg/kg (mouse)
Antimony (Sb)	7440-36-0	7-8	0.5 mg/m ³	15 mg/kg (man)
Lead (Pb)	7439-92-1	35-36	0.05 mg/m ³	790 mg/kg
COPPER (CU)	7440-50-8	1-2	0.2mg/m ³	470 mg/kg mouse

SECTION III: Physical Information	
Boiling Point (°C) Unknown	Specific Gravity 9.73
Vapour Pressure (mm Hg) Unknown	% Volatile (By Volume) Not Pertinent
Vapour Density (Air=1) Unknown	Evaporation Rate (Ether=1) Not Pertinent
Solubility In Water Nil	pH Not Pertinent
Appearance Silver to Gray	Melting Point (°C) 240
Odour None	Form Bar, Ingot
SECTION IV: Transport Information	
Shipping Name Not Regulated	Class/Division Not Pertinent
UN Number Not Pertinent	Packing Group Not Pertinent

SECTION V: Fire and Explosion Hazards**Flash Point (°C) and Method** Dust may generate a fire**Flammable Limits in Air (Vol %)** **Upper:** Not Pertinent **Lower:** Not Pertinent**Means of Extinction** Class D – Dry Chemical or Sand**SECTION VI: Health Hazard and First Aid Data**

Ingestion	Effects:	Metallic taste, abdominal cramps, frequent headaches, foul breath, stomatitis, nephritis.			
	First Aid:	If particles ingested, give 1-2 glasses of water or milk. Do induce vomiting. Seek medical assistance.			
Eye Contact	Effects:	Molten metal may splash.			
	First Aid:	Flush with large amounts of water.			
Skin Contact	Effects:	Dermatitis.			
	First Aid:	If dust or mist gets on skin, wash skin with soap and water. Remove clothing and launder.			
Skin Absorption	Not Pertinent				
Inhalation	Fumes from welding or grinding can in excess cause "Metal Fume Fever". Remove victim and get aid.				
Effects of Acute Exposure	A very large dose may result in diarrhea.				
Effects of Chronic Exposure	A very large dose may result in dark lines in the gums.				
Carcinogenicity	IARC (No)				
Mutagenicity	No	Teratogenicity	No	Reproductive Effects	No

SECTION VII: Reactivity Data

Stability	Stable - Yes	Conditions to Avoid	Not Pertinent
Incompatible Materials	Water No	Acid No	Oxidizers Yes
	Corrosive No	Alkali No	Reducers No
	Other Yes		
Hazardous Decomposition Products Not Pertinent			
Hazardous Polymerization	May Occur No		Will Not Occur X
	Conditions to Avoid Not Pertinent		

SECTION VIII: Preventative Measures

Steps to be taken in case Material is Released or Spilled: If spill of dust, use cleanup methods which avoid dust generation. Use water and wet sweep or vacuum.

Waste Disposal Method: Dispose of in accordance with appropriate federal and local regulations.

Respiratory Protection: When engineering controls are not feasible to control overexposure, use appropriate **NIOSH** approved respirators.

Engineering Controls	Local Exhaust Essential to keep worker exposure within allowable limits during welding or grinding.	
	Mechanical (General) Not Applicable	
	Special Not Applicable	Other Not Applicable
	Not Applicable	

Protective Gloves: As needed to protect against physical hazards.

Eye Protection: Safety glasses, goggles or face shield if molten.

Other Protective Equipment: Heat resistant leggings and gloves if pouring molten metal.

SECTION IX: Special Precautions

Precautions to be taken in Handling and Storing: The scrap metal itself presents no health hazard unless it is welded, burned, ground or cut. Possible fumes may be generated. Should have complete evaluation done. Wash hands and arms after handling.

Special Precautions and Waste Disposal Methods: Return to manufacturer, scrap dealer, or dispose of in accordance to local & federal regulations.

SECTION X: Notice to Reader

The information contained in this MSDS was obtained from sources which are believed to be reliable. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The manufacturer does not assume responsibility and expressly disclaims liability for any loss, damage, or expense arising out of or in any way connected with, the handling, storage, use or disposal of the product identified in this MSDS.

Prepared by: Health, Safety and Environment Department of Alchemy Extrusions