

1. IDENTIFICATION

Common Name: ASTM B23 – Grade 11 Babbitt Bearing Alloy

Trade Name: #11 Babbitt, A/C pewter, Roto Nickel Babbitt

Chemical Family: Tin Based Alloy Infotrac (USA):

Material Use: Soldering, Pouring International:

Manufacturer/Importer/Supplier/Distributor information

Company	:	Rotometals, Inc. 965 Estabrook St San Leandro CA 94577 USA
Telephone:		+1 800-779-1102
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2. HAZARD IDENTIFICATION

Ingestion Effects: Metallic taste, abdominal cramps, frequent headaches, foul breath, stomatitis, nephritis. Do induce vomiting. Seek medical assistance.

Eye Contact Effects: Molten metal may splash..

Skin Contact Effects: Dermatitis.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight	Exposure Limit LD50
oral, rat			
Tin (Sn)	7440-31-5	86-89	2.0 mg/m3
			72 mg/kg (mouse)
Antimony (Sb)	7440-36-0	6-7.5	0.5 mg/m3
			15 mg/kg (man)
Copper (Cu)	7440-50-8	5-6.5	0.2 mg/m3
			470 mg/kg (mouse)

4. FIRST AID MEASURES

First Aid: If dust or mist gets on skin, wash skin with soap and water. Remove clothing and launder. If particles ingested, give 1-2 glasses of water or milk for ingestion. If eye contact occurs, flush with large amounts of water, and seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point (oC) 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

6. ACCIDENTAL RELEASE 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.

7. HANDLING/STORAGE

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

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: (oC) Unknown **Specific Gravity** 7.39
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: Gold to White Tinge
Melting Point: (oC) 472
Odor: None **Form** Bar, Ingot

10. STABILITY & REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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.

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Shipping Name Not Regulated **Class/Division** Not Pertinent
UN Number Not Pertinent **Packing Group** Not Pertinent

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

Prepared By	Rotometals, Inc 865 Estabrook St San Leandro, CA 94577 sales@rotometals.com
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Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.