

# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29CFR 1910.1200

Rev. 01/02/03

## 95%Sn/5%Sb LEAD-FREE ALLOY

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Infotrac Emergency No. 1-800-535-5053

### 1. PRODUCT INGREDIENTS

Chemical Name	CAS No.	Weight %	Permissible Air Concen.(mg/cu.m.)		SARA Title III Sect.313Chem.
			OSHA	ACGIH	
TIN	7440-31-5	95	2.0	2.0	NO
ANTIMONY	7440-36-0	5	0.5	0.5	YES

### 2. PHYSICAL DATA

Material is SOLID	Appearance and Odor SILVER-WHITE METAL,ODORLESS, VARIOUS SHAPES & SIZES		
Melting Point 460°F	Boiling Point <1700°C	Specific Gravity 7.9	Vapor Density N/A
Solubility in Water INSOLUBLE	Vapor Pressure N/A	Evaporation Rate N/A	pH N/A

### 3. FIRE AND EXPLOSION DATA

Flash Point N/A	Flammable Limits N/A	Auto Ignition Temp. N/A	
NFPA CODES: HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	OTHER 0
HMIS CODES: HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	OTHER 0

Unusual Fire and Explosion Hazards  
IN EXTREMELY HIGH TEMPERATURE FIRE OR IN CONTACT WITH CERTAIN ACIDS, MAY EMIT TOXIC FUMES. USE SELF-CONTAINED RESPIRATORY SYSTEM.

Fire Extinguishing Agents Recommended  
USE CO<sub>2</sub> OR DRY CHEMICAL ON SURROUNDING FIRE.

Fire Extinguishing Agents To Avoid  
DO NOT USE WATER ON FIRE WHERE MOLTEN METAL IS PRESENT.

Special Fire Fighting Precautions  
USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL BODY PROTECTIVE CLOTHING.



Storage –  
**GENERAL STORAGE PROCEDURES ACCEPTABLE.**

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## **6. PERSONAL PROTECTIVE EQUIPMENT**

Respiratory Protection –  
**USE NIOSH/MSHA APPROVED RESPIRATORS OR AIR SUPPLIED RESPIRATOR WHEN SOLDERING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.**

Eyes and Face –  
**SAFETY GLASSES RECOMMENDED WHERE THE POSSIBILITY OF GETTING DUST PARTICLES IN EYES EXISTS OR WHEN HANDLING MOLTEN METAL.**

Other Clothing and Equipment –  
**GLOVES AND OTHER PROTECTIVE CLOTHING RECOMMENDED TO PROTECT SKIN FROM CONTACT WITH MOLTEN METAL.**

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## **7. REACTIVITY DATA**

Stability: **STABLE**                      Conditions to Avoid: **NOT APPLICABLE**

Incompatibility:                      **AVOID STRONG ACIDS, SULFUR AND CHLORINE**

Hazardous Decomposition Products: **REACTION WITH STRONG ACIDS CAN PRODUCE TOXIC ORGANIC OR INORGANIC TIN COMPOUNDS.**

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## **8. ENVIRONMENTAL**

Regulated by DOT? **NO**

Waste Disposal Method: **TIN AS A PURE METAL AND TIN/COPPER/SILVER/ANTIMONY ALLOYS PRESENT NO PROBLEM FOR DISPOSAL AND ARE, IN FACT, RECOVERED DUE TO THEIR ECONOMIC VALUE.**

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## **9. ADDITIONAL INFORMATION**

Precautions to be taken in handling and storing: **NONE**

Other Precautions: **NONE**

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