

MATERIAL SAFETY DATA SHEET  
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**PURE ANTIMONY**  
**(SLAB, SHOT, INGOT)**

### SECTION 1 - IDENTIFICATION

Furnished by: Grant Manufacturing & Alloying  
200-C Furnace Street  
P. O. Box 69  
Birdsboro, PA 19508

Effective Date: January 1, 2010  
Emergency Phone: 610-404-1380  
Person to Contact: Joe Guarini

### SECTION 2 - CONSTITUENTS

<i>Chemical</i>	<i>CAS</i>	<i>%WT</i>	<i>Carcinogen</i>	<i>TLV</i>
Antimony	7440-36-0	> 99.50%	No	0.5mg/cu m ACGIH/OSHA PEL
Lead	7439-92-1	< 0.20 %	No	0.15mg/cu ACGIH/OSHA TWA 0.05mg
Arsenic	7440-38-2	< 0.10 %	No	0.01mg/m3 OSHA PEL

### SECTION 3 - PHYSICAL DATA

Melting Point 1,166 degrees F.  
Boiling Point 2,624 degrees F.  
Vapor Pressure Not volatile  
Vapor Density Not volatile  
Solubility in Water Nil  
Appearance / Color Silver to gray color  
Specific Gravity 6.62  
Odor None  
% Volatile Nil  
pH N/A  
Evaporation Rate (nBuAc=1) N/A

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point Not flammable  
Flammable Limits N/A  
Extinguishing Methods Class D, dry type  
Fire Fighting Equipment If metal is present where there is fire, wear self-contained breathing device to avoid antimony fumes

### SECTION 5 - REACTIVITY DATA

Stability	Stable
Conditions to Avoid	N/A
Hazardous Polymerization	Will not occur
Incompatibility	Strong acids, reducing agents, halogens and oxidizers
Hazardous Decomposition	Oxide fumes upon heating

### SECTION 6 - SPILL, LEAK AND DISPOSAL PROCEDURES

Action to Take for Spills	Allow to solidify, collect and place in sealed drums
Disposal Method	Return to supplier

### SECTION 7 - HEALTH HAZARD INFORMATION

Eye	Dust or fumes will be an irritant
Skin Contact	Not a route of entry to the body
Skin Absorption	Not a route of entry to the body
Ingestion	Ingestion of antimony dust or fumes must be avoided. Antimony is toxic and dust and fumes nasal septal ulceration and stomach lining irritation.
Inhalation	Inhalation of antimony dust and fumes must be avoided. Irritation of nose and bronchial tracts may occur. Wear protective breathing apparatus to avoid fumes and dust.
Systemic & Other Effects	Unknown

### SECTION 8 - FIRST AID PROCEDURES

Eyes	Flush eyes with water for 15 minutes
Skin	Wash thoroughly with soap and water and remove contaminated clothes
Ingestion	Induce vomiting if person is still conscious, seek medical attention
Inhalation	Remove person to fresh air, seek proper medical assistance

**SECTION 9 - SPECIAL HANDLING PROCEDURES**

Ventilation	If fumes or dust is being generated, a mechanical device must be used to maintain exposure levels below TLVs
Respiratory Protection	Only required if TLVs are exceeded, use proper dust & fume mask
Skin Protection	Not normally required

**SECTION 10 - SPECIAL PRECAUTIONS & ADDITIONAL INFORMATION**

Storage	Store in dry conditions
Handling Information	OSHA regulations for air born contaminates 29 CFR 1910.1000, OSHA regulations 29 CFR 1910.1025 Personnel must wash their hands prior to eating, smoking, drinking or when applying any cosmetics.

**SECTION 11 - TRANSPORTATION**

Proper Shipping	Not required
UN Number	N/A
NA Number	N/A
DOT Exemption Number	N/A
Hazardous Classes	N/A

NOTE: The information given is in good faith, but no warranty, expressed or implied, is made.