

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Halogen Trap Material, Antimony

AR 608

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
7440-36-0	100	Antimony	0.5	0.5

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation. Dermatitis is a possible symptom of Antimony poisoning, and this dermatitis starts as an inflammation of the hair follicles and can progress through pus formation and sloughing to leave a contracted scar.

INHALATION: Irritating to mucous membranes and upper respiratory tract.

INGESTION: Antimony and its compounds are systemic poisons. Symptoms are a metallic taste in the mouth vomiting, colic, loss of appetite and weight and diarrhea.

CHRONIC OVEREXPOSURE: Chronic inhalation of antimony trioxide is reported to produce a reduction in white blood cells and damage to the liver.

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: Not available.

CARCINOGENICITY: Antimony and its compounds have been identified as suspected cancer causing agents.

## 4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention.

INHALATION: Removed from exposure to fresh air immediately. Get medical attention.

SKIN: Vacuum off excess dust. Wash well with soap and water. Avoid blowing particulate into the atmosphere.

INGESTION: Seek medical attention if large quantities of material have been ingested.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Non-flammable

Flash Point: None

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not available.

EXTINGUISHING MEDIA: Use special mixtures of dry chemical or sand.

FIREFIGHTING INSTRUCTIONS: Solid, massive form is not combustible. Fire and explosion hazards are moderate when material is in the form of dust and exposed to heat, flames, chemical reaction or contact with powerful oxidizers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: No special precautions are necessary for spills of bulk material. If large quantities of dust are spilled, remove by vacuuming or wet seeping to prevent heavy concentrations of airborne dust. Follow federal, state and local regulations. Cleanup personnel should wear respirators and protective clothing.

## **7. HANDLING AND STORAGE**

HANDLING: Keep dust from sources of ignition. Use precautions in lifting and prevent dropping.

STORAGE: Keep tightly closed. Keep dust from sources of ignition. Store material away from incompatible materials.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Local exhaust or mechanical ventilation required if dust or fume created in handling or working on this material.

RESPIRATORY PROTECTION: If exposure above the PEL or TLV, use a NIOSH/MSHA respirator for fume or dust, dependent upon the source of airborne contaminant.

SKIN AND HAND PROTECTION: Required for melt, grind, cut and weld operations. Select glove approved for the specific operations.

EYE AND FACE PROTECTION: Required for melt, grind, cut and weld operations. Minimum requirement of safety glasses with side shields for these operations. Melting and welding may require special eye protection including face shields and specially tinted glass. Grinding operations may also require face shield.

OTHER PROTECTIVE EQUIPMENT: As required.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: silver gray metal, granules.

BOILING POINT: 2888 F (1587 C)

FREEZE-MELT POINT: 1167 F (631 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 6.69

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal conditions of storage. Molten metal may react violently with water.

INCOMPATIBILITY: Acids, bases and oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Metal Fumes  
HAZARDOUS POLYMERIZATION: None.

## **11. TOXICOLOGICAL INFORMATION**

None Reported.

## **12. ECOLOGICAL INFORMATION**

None available.

## **13. DISPOSAL CONSIDERATION**

Dispose of in accordance with federal, state and local regulations. Cleanup personnel should wear respirators and protective clothing.

## **14. TRANSPORTATION INFORMATION**

USA DOT: Not Regulated.

## **15. REGULATORY INFORMATION**

### **US FEDERAL REGULATIONS**

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: Antimony, 5000 pounds

RCRA Status: Not regulated

### **SARA TITLE III:**

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic

Section 313 Toxic Chemicals: Antimony, >99%

### **CANADAIN REGULATIONS**

WHMIS: D1B

## **16. OTHER INFORMATION**

### **SUPPLEMENTAL INFORMATION**

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Date Prepared: January 11, 2013

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