

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Antimony**

AR608

This product is intended for laboratory use.

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CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING****SECTION 2— HAZARDS IDENTIFICATION**

This product is not a hazardous substance or mixture when used accordingly.

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL(mg/m ³)	ACGIH TLV (mg/m ³)	Common %
Antimony (Stibium)	7440-36-0	0.5	0.5	100

SECTION 4— FIRST AID MEASURES**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).**If eye irritation persists:** Get medical advice or attention (P337+P313).**If on skin:** Wash with plenty of water. (P302+P352)**If swallowed:** Rinse mouth. Call a physician if you feel unwell.**SECTION 5 — FIRE FIGHTING MEASURES**

Non-flammable.

Non-Combustible

Auto-Ignition Temperature: N/A

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NFPA Code: N/A

Fire Fighting Instructions: Firefighters should use graphite powder, sand, dolomite, or when available a Class D fire extinguishing material.

NOTE: If this material is heated or comes into contact with an acid it has the possibility of emitting toxic fumes of Stibine (SbH₃). Fine particles of dust or powder can be considered a fire/moderate explosion risk when exposed to heat or flame.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

This material shouldn't be allowed to become airborne as a solid. Make sure area has proper ventilation. Wipe up with lightly damp towels, which can be placed into a sealed vessel and properly disposed of with regulations in mind.

SECTION 7 — HANDLING AND STORAGE

Handling: This material is not intended to produce dust or fumes. Activities that might lead to such, should be avoided at all costs. If adequate ventilation can't be achieved a NIOSH respirator is required.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). An approved NIOSH respirator must be worn if exposure limits are excessive.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Silver or grey metal.	Odorless	Specific gravity: 6.6
Soluble: Insoluble in water	Boiling Point: 1587 °C	Melting Point: 630°C

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable If stored or used at proper temperatures should never become unstable.

Hazardous decomposition product: At temperatures above melting point, metal oxide fumes may be produced. Under reducing conditions or in the company of nascent Hydrogen, highly toxic Stibine gases can form. In the presence of Nitric acid may emit NOx, with other acids could produce toxic Antimony Hydride or Stibine. A hood with proper ventilation should be used.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Effects: Toxic, irritant.

Chronic Effects: Kidney damage, liver damage.

Target Organs: Respiratory system, cardiovascular, liver, and kidneys.

ORL-RAT LD₅₀: 7g/kg

SECTION 12 — ECOLOGICAL INFORMATION

Toxic to aquatic organisms

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

SECTION 14 — TRANSPORT INFORMATION

United States Department of Transportation: Not regulated in this solid state.

Hazard class: N/A. UN number: N/A.

When this material is in the powder form <100 microns considered Hazard class 6.1, keep away from food UN#2871.

SECTION 15 — REGULATORY INFORMATION

This compound can be found on the EPA Toxic Substance Control Act Inventory List.

CERCLA Reportable Quantity: Antimony, 5000lbs.

SARA 313 Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic Health

Section 313 Toxic Chemicals: >99%

Canadian Regulations

WHMIS: D1B

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/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.
