



Section 1 - Chemical Product and Company Identification

Product Name Antimony Metal Ingots ultrapure, 99.999%
Product Code 67577
CAS No 7440-36-0
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
7440-36-0	ANTIMONY, POWDER, 0.15 MM	99+%	231-146-5

Hazard Symbols: XN N

Risk Phrases: 20/22 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful by inhalation and if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye: Causes eye irritation. May cause conjunctivitis.

Skin: Causes skin irritation.

Ingestion: Harmful if swallowed. May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea.

Inhalation: Harmful if inhaled. Dust is irritating to the respiratory tract. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

Section 4 - First Aid Measures



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- Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
- Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- Notes to Physician:

Section 5 - Fire Fighting Measures

- General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dust can be an explosion hazard when exposed to heat or flame. Bulk metal is combustible in air at high temperatures.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

- Handling:** Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
- Storage:** Keep away from heat and flame. Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container. Tarnishes in moist air.

Section 8 - Exposure Control / Personal Protection



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Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

CAS# 7440-36-0: United Kingdom, WEL - TWA: 0.5 mg/m³ TWA United Kingdom, WEL - STEL: 1.5 mg/m³ STEL United States OSHA: 0.5 mg/m³ TWA Belgium - TWA: 0.5 mg/m³ VLE France - VME: 0.5 mg/m³ VME Germany: 0.5 mg/m³ TWA (inhalable fraction) Japan: 0.1 mg/m³ OEL Malaysia: 0.5 mg/m³ TWA Netherlands: 0.5 mg/m³ MAC Spain: 0.5 mg/m³ VLA-ED

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Powder
Color:	grey
Odor:	Not available
pH:	Not available
Vapor Pressure:	1 mbar @ 726 deg C
Viscosity:	Not available
Boiling Point:	1635 deg C @ 760.00mm Hg (2,975.00°F)
Freezing/Melting Point:	630 deg C (1,166.00°F)
Autoignition Temperature:	330 deg C (626.00 deg F)
Flash Point:	Not available
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	insoluble
Specific Gravity/Density:	6.6840g/cm ³
Molecular Formula:	Sb
Molecular Weight:	121.75

Section 10 - Stability and Reactivity



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Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials, ignition sources, moisture.

Incompatibilities with Other Materials Moisture, aluminum, ammonium nitrate, bromine trifluoride, chlorine trifluoride, fluorine, nitric acid, sodium nitrate, sodium peroxide, sulfuric acid.

Hazardous Decomposition Products Antimony/antimony oxides, stibine fumes.

Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7440-36-0: CC4025000

LD50/LC50: RTECS: CAS# 7440-36-0: Oral, rat: LD50 = 7 gm/kg; .

Carcinogenicity: ANTIMONY, POWDER, 0.15 MM - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity: Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR	
Shipping Name:		ANTIMONY POWDER	ANTIMONY POWDER	
			ANTIMONY POWDER	
Hazard Class:		6.1	6.1	6.1
UN Number:	2871	2871	2871	
Packing Group:		III	III	III

USA RQ: CAS# 7440-36-0: 5000 lb final RQ (no reporting of releases of this hazardous substa

Section 15 - Regulatory Information



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European/International Regulations

European Labeling in Accordance with EC Directives Hazard Symbols: XN N Risk Phrases: R 20/22 Harmful by inhalation and if swallowed. R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Safety Phrases: S 61 Avoid release to the environment. Refer to special instructions/safety data sheets. WGK (Water Danger/Protection) CAS# 7440-36-0: Not available Canada CAS# 7440-36-0 is listed on Canada's DSL List

US Federal

TSCA CAS# 7440-36-0 is listed on the TSCA Inventory.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.