



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. AA 370
Effective Date January 25, 1999

SECTION V HEALTH HAZARD DATA

AA 370

Threshold Limited Value

TWA: 0.5 mg/m³ (air) (ACGIH 1992-93).
Toxicity Data: unk-man LDLo: 15 mg/kg.

Effects of Overexposure

Chronic overexposure may lead to heart abnormalities. May cause dermatitis, keratitis, conjunctivitis and nasal septal ulceration by contact, fumes or dust. Severe irritation may occur. Diseases of the liver, kidneys or nervous system.

Emergency and First Aid Procedures

INHALATION AS FUME: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, give water to drink. Induce vomiting. Call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperatures and heat. See sections IV and IX.
	Stable	X		

Incompatibility (Materials to Avoid)	Moderately dangerous when heated or on contact with acid, it emits toxic fumes. Antimony is spontaneously flammable in chlorine, fluorine, or bromine.
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Hazardous Decomposition Products	Oxides of Antimony, metal as fume.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wearing proper protective clothing, sweep up and place in a suitable container for proper disposal. Avoid creating dust. Wash spill area with soap and water.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in accordance with federal, state and local regulations.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, lab coat or apron, vented hood, proper gloves, eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a dry place. Keep away from food. Wash thoroughly after handling. Use adequate ventilation when heated to melt or vapor state. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Avoid conditions in which nascent hydrogen will react with antimony to form stibine (SbH₃), which is extremely toxic (nausea, vomiting, headache, hemolysis, hematuria, abdominal pain, death). Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 6	Date 1/25/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	ANTIMONY, METAL
Chemical Synonyms	Antimony Regulus; Stibium
Formula	Sb
Unit Size	up to 2.5 Kg.
C.A.S. No.	7440-36-0

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

HMIS *
HEALTH FIRE REACTIVITY
3 1 2

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Antimony, Metal	100%	See Section V.
DANGER! HAZARDOUS DUST. TOXIC AS FUME.		
MAY BE HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	630°C (1166°F)	Specific Gravity (H ₂ O = 1)	6.684 at 25°C.
Boiling Point (°F)	1380°C (2889°F)	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	1 mm at 886°C.	Evaporation Rate ()	Not applicable.
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble.		
Appearance & Odor	Silver gray lustrous metal; lumps, broken cathodes (pieces), fine powder *. No odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable solid.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Dry sand or other inert material.				

SPECIAL FIREFIGHTING PROCEDURES

(*Powder)

Gently cover burning powder and form a ring around it with sand or other inert material. Do not disturb or form dust clouds. Allow to cool. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

*(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 170)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Toxic antimony fumes may be released in a fire involving this product. May be hazardous when heated to a melt or vapor state as may occur in a fire condition. Moderate fire hazard, in the form of dust or vapor, when exposed to heat or flame. Moderate explosion hazard in the form of dust when exposed to flame.

D.O.T. * ANTIMONY POWDER, 6.1, UN 2871, PG III

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20