



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. AA 380
Effective Date October 5, 1998

SECTION V HEALTH HAZARD DATA

AA 380

Threshold Limited Value RTECS Ref No. CC6825000 Toxicity data: orl-human LDLo 2 mg/kg; orl-rat LD50 115 mg/kg. TLV - TWA: Antimony and compound, as Antimony 0.05 mg/m³. OSHA - AIR: TWA 500 ug (Sb)/m³.

Effects of Overexposure **INGESTION: MAY BE FATAL IF SWALLOWED.** It can cause cough, metallic taste, salivation, nausea, diarrhea, weight loss, stomach pain, vomiting, low blood pressure, breathing trouble with possible collapse, convulsion and coma. Skin rash may also occur. Large doses can cause severe damage to the liver, heart, lung and kidneys.

Emergency and First Aid Procedures **INGESTION:** If swallowed, if conscious, and not in shock or convulsing, give one or two glasses of water to drink. Induce vomiting and call physician. If vomiting should occur involuntarily, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person. **INHALATION:** Remove victim to fresh air. Give artificial respiration if not breathing. 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 lower and upper eyelids occasionally. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Avoid conditions in which nascent hydrogen will react with antimony to form stibine (SbH₃), which is extremely toxic.

Hazardous Decomposition Products Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide and fumes of antimony metal.

Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid	Not applicable.
		X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Using a respirator and protective clothing, secure spills at the source as soon as possible. Collect spilled material in a manner so as to avoid dusting and seal it in appropriate containers for reclaiming or disposal.

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 an approved chemical landfill or contract with a licensed waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be required in normal laboratory use. If dusty conditions prevail use an approved NIOSH/MSHA respirator or work in ventilation hood.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Goggles, lab coat or apron, ventilation hood, proper gloves, eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store and handle in a manner which avoids or controls dusting. Do not put in aluminum or zinc containers. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. Do not breathe dust. Use with adequate ventilation. Avoid contact with skin and eyes. Remove and wash contaminated clothing before reuse.

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

Revision No. 4	Date 10/5/98	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 POTASSIUM TARTRATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 3 Fire 0 Reactivity 1
Chemical Synonyms	Potassium Antimony (III) Oxide Tartrate	
Formula	K(SbO)C ₄ H ₄ O ₆ • 0.5H ₂ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	28300-74-5	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Antimony Potassium Tartrate, Hemihydrate	100%	See Section V.

DANGER! **POISON. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED.**

DO NOT BREATH DUST. USE WITH ADEQUATE VENTILATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	>300°C (572°F)	Specific Gravity (H₂O = 1)	2.607
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	2.5% at 100°C
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	8.7 grams per 100 mL. water at 25°C.		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

Toxic antimony fumes may be released in a fire involving this product. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

UNUSUAL FIRE AND EXPLOSION HAZARDS

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.

D.O.T. **ANTIMONY POTASSIUM TARTRATE, 6.1, UN 1551, PG III**

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