



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. AA 376
Effective Date October 5, 1998

SECTION V HEALTH HAZARD DATA

AA 376

Threshold Limited Value

TWA: 0.05 mg/m³ as antimony; (ACGIH 1983-84).
OSHA-PEL: 0.05 mg/m³.

Effects of Overexposure

Corrosive to skin and eyes. **INHALATION:** Can cause pulmonary edema. Reacts with moisture to liberate hydrochloric acid, which is extremely irritating. **INGESTION:** Toxic. **SKIN:** Skin burns. **EYES:** Conjunctivitis and keratitis.

Emergency and First Aid Procedures

SKIN: Wash with 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 one or two glasses of water to drink. Do **NOT** induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If discomfort or illness develops, get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Moisture, excessive temperature and heat.

Incompatibility (Materials to Avoid)	Moisture. Extreme humidity.
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Hazardous Decomposition Products	Reacts readily with moisture, liberating hydrochloric acid.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Sweep up and cover with sodium bicarbonate. After covering with sodium bicarbonate, place in a plastic bag or lined container for proper disposal. Flush spill area with 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 an approved chemical landfill or contract with a licensed waste disposal service.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Work in fume hood or if dusty or fume conditions prevail, wear NIOSH/MSHA-approved dust mask or respirator. Use acid type respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Face shield, goggles, lab coat, ventilation hood, proper gloves, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated area away from fire hazards. Keep out of contact with moisture. Wash thoroughly after handling. 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. Avoid inhalation. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	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 TRICHLORIDE
Chemical Synonyms	Antimonous Trichloride
Formula	SbCl ₃
Unit Size	up to 2.5 Kg.
C.A.S. No.	10025-91-9

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

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

Health	3
Fire	0
Reactivity	2

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Antimony Trichloride	100%	See Section V.
DANGER! CORROSIVE! CAN BE FATAL IF ABSORBED THROUGH SKIN.		

CAUSES SEVERE EYE AND SKIN BURNS. HARMFUL IF INHALED OR SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	73.4°C (163°F)	Specific Gravity (H ₂ O = 1)	3.140 at 25°C.
Boiling Point (°F)	219°C (426°F)	Percent Volatile by Volume (%)	100% (sublimes @ 49.2°C)
Vapor Pressure (mm Hg)	0.4 @ 20°C.	Evaporation Rate ()	Unknown
Vapor Density (Air=1)	7.8		
Solubility in Water	Moderate (reacts vigorously); Partial-hydrolysis to SbOCl and HCl.		
Appearance & Odor	White deliquescent crystals or flake; very sharp 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	Water fog; foam; carbon dioxide; dry chemical.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Water could release hydrochloric acid gas.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 157)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Reacts with moisture to give off hydrochloric acid. Extreme heat could cause the formation of corrosive and toxic chlorine gas and antimony vapor.

D.O.T. ANTIMONY TRICHLORIDE, SOLID, 8, UN1733, PG II

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