



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 680
Effective Date April 20, 1999

SECTION V HEALTH HAZARD DATA

PP 680

Threshold Limited Value None established (ACGIH 1992-93). MLD S.C. in mice: 150 mg per kg. Nuisance dust: Respiratory fraction - 5 mg/m³; Total dust - 1 mg/m³.

Effects of Overexposure **TARGET ORGANS AFFECTED:** Kidneys, liver, central nervous system. **SKIN AND EYES:** May cause severe eye and skin irritation or burns. **INHALATION:** Causes severe irritation to mucous membranes and upper respiratory tract. **INGESTION:** Has caustic effect on mouth, esophagus and stomach. May cause gastroenteritis, with pain and vomiting.

Emergency and First Aid Procedures **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, give large quantities of milk to drink. Do NOT induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products Thermal decomposition may release toxic fumes of carbon monoxide and potassium oxides.

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

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Ventilate area. Wear suitable protective clothing. Sweep up and place in a suitable container for proper disposal. Flush spill area with water.

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 incinerator or contract with an approved and licensed disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

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 Goggles, smock, apron, eye wash station, ventilation hood, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from sources of heat or ignition. 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. Avoid contact with skin and eyes. Do not take internally. Avoid breathing dust. Use with adequate ventilation. 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 4/20/99	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	POTASSIUM OXALATE, MONOHYDRATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Health	3
Chemical Synonyms	Oxalic Acid Dipotassium Salt		Fire	0
Formula	K ₂ C ₂ O ₄ ·H ₂ O		Reactivity	1
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	6487-48-5			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Oxalate	100%	None established.
DANGER! MAY BE FATAL IF SWALLOWED OR INHALED.		
SEVERE IRRITANT TO SKIN, EYES AND MUCOUS MEMBRANES.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Loses H ₂ O @ 160°C (320°F)	Specific Gravity (H₂O = 1)	2.127 at 39°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	33 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless, transparent crystals or powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Water spray; carbon dioxide (CO ₂); dry chemical (ABC).				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Avoid inhalation of gases.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous when heated to decomposition, emits toxic fumes. Can react vigorously with oxidizing materials.

D.O.T. Toxic solid, inorganic, n.o.s., (Potassium oxalate), 6.1, UN 3288, PG III

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