



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. SS 720  
Effective Date May 5, 1999

## SECTION V HEALTH HAZARD DATA

SS 720

### Threshold Limited Value

None established by (ACGIH 1993-94). RTECS No. KI1750000  
Toxicity data: Intravenous human LDLo: 17 mg/kg.  
Subcutaneous mouse LDLo: 100 mg/kg.

### Effects of Overexposure

**TARGET ORGANS AFFECTED:** Kidneys, liver, Central nervous system.  
**INHALATION:** Causes severe irritation to mucous membranes and upper respiratory tract. **SKIN AND EYES:** May cause severe skin and eye irritation.  
**INGESTION:** When taken orally it has a caustic effect on mouth, esophagus and stomach. May cause kidney and/or liver damage.

### 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, and 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.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide (CO <sub>2</sub> ) and probably carbon monoxide (CO).
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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	Wear suitable protective clothing. Recover for use if not contaminated. Sweep up and place in a suitable 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 incinerator or contract with an approved and licensed disposal agency.
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## 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.		
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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	Goggles, smock, apron, eye wash station, ventilation hood, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Avoid breathing dust. Use with adequate ventilation. Store in a cool, dry place away from food products. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.  Do not take internally. Avoid contact with skin, eyes and mucous membranes. 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 5/5/99	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	SODIUM OXALATE	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b> Health 3 Fire 0 Reactivity 1
Chemical Synonyms	Ethanedioic Acid	
Formula	Na <sub>2</sub> C <sub>2</sub> O <sub>4</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	62-76-0	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Oxalate	100%	None established.

**DANGER! POISON.** **MAY BE FATAL IF SWALLOWED OR INHALED.**  
**SEVERE IRRITANT TO EYES, SKIN AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	250-270°C (482-518°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	2.34 at 20°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	3.7 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless crystals or white crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Water spray, Carbon dioxide, foam.
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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. Use flooding amounts of water in early stages of fire.
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(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 151)

UNUSUAL FIRE AND EXPLOSION HAZARDS	Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.
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D.O.T. Toxic solid, inorganic, n.o.s., (Sodium oxalate), 6.1, UN 3288, PG III

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