



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(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
Stable

Conditions to Avoid

Excessive temperature and heat.

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous

Decomposition Products

Combustion will produce carbon dioxide (CO₂) and probably carbon monoxide (CO).

Hazardous Polymerization

Conditions to Avoid

May Occur

Will Not Occur

Not applicable.

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.

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.

Other Protective Equipment

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

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.

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.

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

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
Chemical Synonyms	Ethanedioic Acid
Formula	Na ₂ C ₂ O ₄
Unit Size	up to 2.5 Kg.
C.A.S. No.	62-76-0

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

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 ₂ 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 ()	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
				-----	-----
Extinguisher Media	Water spray, Carbon dioxide, foam.				

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.

(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.

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