



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. PP 320  
Effective Date April 13, 1999

## SECTION V HEALTH HAZARD DATA

PP 320

### Threshold Limited Value

None established (ACGIH 1992-93).  
LD s.c. in guinea pig: 3.0 g/kg.

### Effects of Overexposure

**INHALATION:** Mild irritant. Dust inhalation may irritate nose, throat and lungs. May cause coughing. **EYES:** Contact with dust or mist may irritate eyes. Prolonged contact may cause redness, conjunctivitis. **SKIN:** Low hazard for usual laboratory handling. **INGESTION:** Swallowing large doses causes severe gastrointestinal irritation.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Moisture.

Incompatibility (Materials to Avoid)	Active metals, such as aluminum and magnesium.
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Hazardous Decomposition Products	Oxides of sulfur.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Reclaim as much as possible. Sweep up and place in a suitable container for 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.  Dissolve in water and flush to sewer with copious amounts of water or dispose of uncontaminated material in a sanitary landfill.
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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.			
Ventilation	Local Exhaust	None needed.		Special	No.
	Mechanical (General)	None needed.		Other	No.
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Apron, smock, eye wash station.				

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Avoid breathing dust. 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.  Avoid contact with skin and eyes. 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	4/13/99	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	POTASH, SULFURATED	<div><div><div><div>CHEMTREC</div><div>800-424-9300</div><div>Day 716-226-6177</div></div><div><div>NFPA</div><div>HAZARD RATING</div><div>LEAST    SLIGHT    MODERATE</div><div>0           1           2</div></div><div><div>HMIS *</div><div>HIGH    EXTREME</div><div>3           4</div></div></div></div>
Chemical Synonyms	Potassium Sulfate	
Formula	K <sub>2</sub> SO <sub>4</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	7778-80-5	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potash, Sulfurated (Potassium Sulfate)	100%	None established.

CAUTION! MAY CAUSE IRRITATION TO EYES AND MUCOUS MEMBRANES ON CONTACT.		
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## SECTION III PHYSICAL DATA

Melting Point (°F)	1069°C (1956°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.662 at 20°C
Boiling Point (°F)	1072°C (1962°F)	Percent Volatile by Volume (%)	0 at 68°F
Vapor Pressure (mm Hg)	0 at 68°F	Evaporation Rate (≈1)	0 at 68°F
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	112 grams per liter at 68°F		
Appearance & Odor	White, grey fine crystals; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

None known.  
In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire and explosion hazard when material is exposed to heat or flame. Fire or excessive heat may produce hazardous decomposition products.

D.O.T. NON-REGULATED.

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