



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. PP 770  
Effective Date April 21, 1999

## SECTION V HEALTH HAZARD DATA

PP 770

### Threshold Limited Value

None established. (ACGIH 1992-93).  
OSHA PEL: 15 mg/m<sup>3</sup> total dust.

### 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:** Flush with water, then 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.
--------------------------------------	--

Hazardous Decomposition Products	Oxides of sulfur and potassium.
----------------------------------	---------------------------------

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 proper disposal. Flush spill area with soap and 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.  
Small spills: Dissolve in water and flush to sewer with copious amounts of water.  
Large spills: Dispose of uncontaminated material in a sanitary landfill or contract with a licensed waste disposal service..

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Not needed.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
-------------------	---------	----------------	--------------------------

Other Protective Equipment	Apron, smock, eye wash station, proper gloves, goggles, ventilation hood.
----------------------------	---

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Avoid breathing dust. Use with adequate ventilation. 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.
-------------------	---

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 7	Date	4/21/99	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	POTASSIUM SULFATE
Chemical Synonyms	Sal Polychrestum
Formula	K <sub>2</sub> SO <sub>4</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	7778-80-5

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

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

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Sulfate	100%	None established.
WARNING! IRRITANT TO EYES AND MUCOUS MEMBRANES.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	1067°C (1953°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.662 at 20°C
Boiling Point (°F)	1689°C (3072°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	12 grams per 100 mL. water at 20°C.		
Appearance & Odor	White crystals, granular or powder; 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