



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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Avon, New York 14414  
(716) 226-6177

MSDS No. PP 781  
Effective Date March 20, 1997

## SECTION V HEALTH HAZARD DATA

PP 781

### Threshold Limited Value

None established for this mixture. (ACGIH 1992-93).

### Effects of Overexposure

**INHALATION AS MIST:** May irritate nose, throat and lungs. May cause coughing. **EYES:** Contact with mist may irritate eyes. Prolonged contact may cause redness, conjunctivitis. **SKIN:** Low hazard for usual laboratory handling. **INGESTION:** Swallowing large doses causes severe GI irritation.

### Emergency and First Aid Procedures

**INHALATION AS MIST:** Remove to fresh air. If symptoms of illness develop, 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. Call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Excessive temperature to cause evaporation.

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	Absorb with inert dry material, sweep up and place in suitable container for disposal. Wash spill area with soap and 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.
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Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.
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Ventilation	Local Exhaust	Not required.	Special	No.
	Mechanical (General)	Not required.	Other	No.

Protective Gloves	Rubber for prolonged exposure.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Apron, smock, eye wash station, proper gloves, goggles.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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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. 1	Date	3/20/97	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 SULFATE, 0.1 MOLAR SOLUTION
Chemical Synonyms	Potassium Sulfate Aqueous Solution
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

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: (CAS No. 7778-80-5)	1.74%	None established.
Water: (CAS No. 7732-18-5)	98.26%	None established.

CAUTION! MAY CAUSE IRRITATION TO

SKIN, EYES AND MUCOUS MEMBRANES.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.1
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	98.26%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	Less than 1.
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, water like liquid; 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
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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### SPECIAL FIREFIGHTING PROCEDURES

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard. Due to the low concentration of Potassium Sulfate in this water solution the hazard resulting in handling is very low.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

There are no unusual fire and explosion hazard associated with this solution.

D.O.T. NON-REGULATED.

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