



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP472  
Effective Date April 19, 1999

## SECTION V HEALTH HAZARD DATA

PP 472

**Threshold Limited Value** None established for this solution. (ACGIH 1992-93)

**Effects of Overexposure** May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**  
**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists. **EYES:** Flush thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. If irritation occurs, get medical attention. **INGESTION:** If conscious, give one or two glasses of water to drink. Call physician. Never give anything by mouth to an unconscious person. **INHALATION AS MIST:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

**Stability**  

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

**Incompatibility (Materials to Avoid)** None known.

**Hazardous Decomposition Products** Due to the low concentration of Potassium Chloride in this water solution, hazardous decomposition products is extremely low. (Chlorine and/or hydrochloric acid).

**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** Absorb with an inert dry material and place in an appropriate container for proper disposal. Wash 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.

Flush to sewer with copious amounts of water.

## 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.

**Ventilation**  

Local Exhaust	Not required.	Special	No.
Mechanical (General)	Not required.	Other	No.

**Protective Gloves** None required. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Lab coat, apron, eye wash station.

## 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.

**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. 2 | Date 4/19/99 | Approved Michael Raszeja | Chemical Safety Coordinator MR

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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	POTASSIUM CHLORIDE 0.1 MOLAR SOLUTION	 <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 0 Fire 0 Reactivity 0
<b>Chemical Synonyms</b>	Potassium Chloride, Water Solution	
<b>Formula</b>	Mixture	
<b>Unit Size</b>	up to 3.785 Lt.	
<b>C.A.S. No.</b>	Mixture	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Chloride: (CAS No. 7447-40-7)	.75%	None established.
Water: (CAS No. 7732-18-5)	99.25%	None established.

**CAUTION! MAY BE HARMFUL IF SWALLOWED.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	99.25%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, water solution; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

### SPECIAL FIREFIGHTING PROCEDURES

This solution due to its chemical composition and/or its concentration does not present any firefighting hazard.

### 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