



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 419  
Effective Date April 15, 1999

## SECTION V HEALTH HAZARD DATA

PP 419

**Threshold Limited Value** None established. (ACGIH 1992-93). RTECS No. TS7750000  
Toxicity data as anhydrous: Oral (rat) LD50: 1870 mg/kg.  
Rated - slightly toxic.

**Effects of Overexposure** **TARGET ORGANS AFFECTED:** Respiratory/Gastrointestinal tract, lungs.  
**INHALATION:** High dust concentrations may cause upper respiratory tract irritation.  
**EYES:** Contact with the powder may cause eye irritation, conjunctivitis, corneal damage. **SKIN:** Prolonged or repeated skin contact may cause skin irritation. May cause burns. **INGESTION:** Of large quantities may occur and produce corrosion of gastrointestinal tract, vomiting, diarrhea, circulatory collapse, death.

**Emergency and First Aid Procedures** **EYES:** Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush skin with plenty of 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 medical attention. **INGESTION:** If swallowed, do NOT induce vomiting. If conscious, give one or two glasses of milk or water and call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat. Acids and acid fumes.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Aluminum, Fluorine, Phosphorus pentoxide. Acids cause decomposition liberating gaseous carbon dioxide.

**Hazardous Decomposition Products** Carbon dioxide (CO<sub>2</sub>).

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Provide adequate ventilation. Sweep up and place in a suitable container for proper disposal. Wash 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 accordance with federal, state and local regulations or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None required in normal handling; under extreme dusting conditions a standard particulate NIOSH/MSHA respirator is desirable or work in a ventilation hood.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

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

**Other Protective Equipment** Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from acid or acid fumes. 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.

Avoid contact with skin and eyes. Use with adequate ventilation. Remove and wash contaminated clothing.

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

<b>Revision</b> No. 3	<b>Date</b> 4/15/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	POTASSIUM CARBONATE SESQUIHYDRATE	 <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 FIRE REACTIVITY 2 0 1
<b>Chemical Synonyms</b>	Potash Sesquihydrate	
<b>Formula</b>	K <sub>2</sub> CO <sub>3</sub> •1.5 H <sub>2</sub> O	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	6381-79-9	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Carbonate, Sesquihydrate	100%	None established.

**WARNING! IRRITANT. HARMFUL**

**IF SWALLOWED OR INHALED.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	891°C (1635°F) (anhydrous)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.428 at 20°C
<b>Boiling Point (°F)</b>	Decomposes.	<b>Percent Volatile by Volume (%)</b>	N/A
<b>Vapor Pressure (mm Hg)</b>	Negligible as solid.	<b>Evaporation Rate (n-Butyl Ac. =1)</b>	N/A
<b>Vapor Density (Air=1)</b>	Data not listed.		
<b>Solubility in Water</b>	Slightly soluble.		
<b>Appearance &amp; Odor</b>	Small granular crystals; 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	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Dry chemical; carbon dioxide; water spray or foam.

### SPECIAL FIREFIGHTING PROCEDURES

For larger fires, use water spray, fog or alcohol foam. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Avoid breathing hazardous vapors.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Note decomposition beginning temperature, Section III and decomposition products, Section VI. Can react vigorously with acids and acid fumes. Reacts with water with the evolution of heat.

D.O.T. NON-REGULATED.

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