



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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(716) 226-6177

MSDS No. LL 170  
Effective Date March 22, 1999

## SECTION V HEALTH HAZARD DATA

LL 170

**Threshold Limited Value** None established for Limewater. TWA for Calcium Hydroxide [CAS No. 1305-62-0] 5 mg/m<sup>3</sup> as nuisance dust. (ACGIH 1992-93).

**Effects of Overexposure**  
**SKIN:** Contact with skin may cause skin irritation. **EYES:** Contact with eyes may cause eye irritation. **INGESTION:** Low hazard at this dilution.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush skin with water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call 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>	Absorbs carbon dioxide from air. Solution when heated becomes turbid.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Acids, carbon dioxide.

**Hazardous Decomposition Products** Calcium Oxide.

<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** Flush to sewer with copious amounts of water or absorb on paper, vermiculite or other absorbent and dispose of in a sanitary landfill.

**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.

<b>Ventilation</b>	<b>Local Exhaust</b>	None needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	None needed.	<b>Other</b>	No.

**Protective Gloves** None should be needed. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Goggles, eye wash station, lab coat.

## 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.

<b>Revision</b> No. 5	<b>Date</b> 3/22/99	<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>	LIMEWATER	 <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 1 0 0
<b>Chemical Synonyms</b>	Calcium Hydroxide 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
Calcium Hydroxide: (CAS No. 1305-62-0)	0.14%	See Section V.
Water: (CAS No. 7732-18-5)	99.86%	None established.

(LOW HAZARD COMPOUND).

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Freezes approx. 0°C (32°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Approx. 1.00
<b>Boiling Point (°F)</b>	Approx. 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	99.86%
<b>Vapor Pressure (mm Hg)</b>	14 (water)	<b>Evaporation Rate (Ether = 1)</b>	Greater than 1.
<b>Vapor Density (Air=1)</b>	0.7 (water)		
<b>Solubility in Water</b>	Calcium Hydroxide water saturated solution 0.14%		
<b>Appearance &amp; Odor</b>	Clear, colorless or cloudy white water solution; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Not flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Use any media suitable for extinguishing supporting fire.

### SPECIAL FIREFIGHTING PROCEDURES

Wear a NIOSH/MSHA-approved, self-contained breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

No known hazards.

D.O.T. NON-REGULATED.

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