



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. CC 90
Effective Date February 1, 1999

SECTION V HEALTH HAZARD DATA

CC 90

Threshold Limited Value

TWA: 5 mg/m³ (ACGIH, 1992-93).

Effects of Overexposure

INHALATION: Dust causes severe irritation to the upper respiratory tract and mucous membranes. **EYES AND SKIN:** Causes dryness or burning of skin. Burning sensation in eyes. Exercise appropriate procedures to minimize potential hazards.

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. **SKIN:** Wash thoroughly with soap and water. **EYES:** Flush with water for 15 minutes, lifting lower and upper eyelids occasionally. Get prompt medical attention. **INGESTION:** If swallowed, if conscious, give large amounts of water or milk to drink. Call a physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Moisture, carbon dioxide and acids.

Incompatibility (Materials to Avoid)	Avoid acids.
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Hazardous Decomposition Products	When heated above 580°C forms Calcium Oxide (quick lime).
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Reclaim as much as possible. Vacuum or sweep up and place in a suitable container for proper 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 should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	Vent dust to collector.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, proper gloves, ventilation hood, and eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acids. 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.
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Avoid contact with skin and eyes.
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 2/1/99	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	CALCIUM HYDROXIDE
Chemical Synonyms	Calcium Hydrate, Slaked Lime
Formula	Ca(OH) ₂
Unit Size	up to 2.5 Kg.
C.A.S. No.	1305-62-0

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

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

HMIS *
Health 1
Fire 0
Reactivity 1

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Hydroxide	>98%	See Section V.
DANGER! CORROSIVE! CAUSES SEVERE IRRITATION AND POSSIBLE BURNS TO SKIN AND EYES.		

SECTION III PHYSICAL DATA

Melting Point (°F)	as CaO 2570°C (4658°F)	Specific Gravity (H ₂ O = 1)	2.24
Boiling Point (°F)	as CaO 2850°C (5162°F)	Percent Volatile by Volume (%)	N/A.
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl acetate = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	1.33 g/L @ 10°C.		
Appearance & Odor	Fine white or yellow-white crystalline powder; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

Hydrated lime is not combustible and will not evolve heat when in contact with water. In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous dust and/or hazardous decomposition products. Hydrated lime is not explosive.

D.O.T. NON-REGULATED.

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