



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. CC 120
Effective Date February 1, 1999

SECTION V HEALTH HAZARD DATA

CC 120

Threshold Limited Value TWA: 2 mg/m³ (ACGIH, 1992-93). 5mg/m³ as CaO (OSHA).
15 mg/m³ as MgO Fume (OSHA).

Effects of Overexposure A caustic irritant to eyes and skin. With moisture present can cause skin burns. Large doses taken internally causes nausea, vomiting, and acidosis. Inhalation of dust causes irritation and inflammation to mucous membranes and respiratory passages.

Emergency and First Aid Procedures

SKIN: Wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **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 large quantities of water to drink. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Moisture or acids.
	Stable	X		

Incompatibility (Materials to Avoid) Boric oxides, fluorine water, steam and many organic materials.

Hazardous Decomposition Products Thermal decomposition may result in corrosive and toxic acid gases. Excessive heat may be given off if large quantities of CaO are moistened.

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 Wear protective safety equipment and use adequate ventilation. Avoid making dust. Recover for use if not contaminated. Sweep up and place in a suitable container for disposal. Flush spill area with soap and water. Do not allow wash water to pollute water ways and streams.

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.

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 and full protective clothing.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Safety glasses, smock, apron, eye wash station, proper gloves, and a ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from moisture, acids and alkalis. Keep dry. 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, eyes and clothing. Avoid breathing dust. 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.

Revision No. 6	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 OXIDE
Chemical Synonyms	Lime, Quick Lime, Burnt Lime
Formula	CaO
Unit Size	up to 2.5 Kg.
C.A.S. No.	1305-78-8

0
1 1

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

Health	3
Fire	0
Reactivity	2

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Oxide	96%	See Section V.
Magnesium oxide: CAS No. 1309-48-2	0-2.5%	

DANGER! CORROSIVE! MAY CAUSE SKIN AND EYE BURNS.

CAUSES IRRITATION. HARMFUL IF INHALED OR SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	2850°C (5162°F)	Specific Gravity (H₂O = 1)	3.2-3.4
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble in water.		
Appearance & Odor	White or grayish-white powder, lumps, pebbles, or granules; faintly earthy odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

Avoid water unless necessary to use on other burning materials, in which case, flood with water to absorb the heat generated. In fires conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 157)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Not combustible but contact with water or moisture may generate sufficient heat to ignite combustible materials. Swells when moist and may burst containers.

D.O.T. **CALCIUM OXIDE, 8, UN 1910, PG III**

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