



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 210
Effective Date April 28, 1999

SECTION V HEALTH HAZARD DATA

SS 210

Threshold Limited Value

TLV/TWA 5 mg/m³ (ACGIH 1992-93).

Effects of Overexposure

Highly toxic by ingestion and inhalation; strong irritant to tissue. May cause irritation and injury to respiratory system. Strongly corrosive and irritating to skin, mucous membranes and eyes. Ingestion can cause severe damage to gastrointestinal tract or death. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.
SKIN: Flush thoroughly with water, then wash with mild soap and water. Get medical attention. **INHALATION:** Remove to fresh air, treat symptomatically, and get medical attention. **INGESTION:** If swallowed, do NOT induce vomiting. If conscious, drink large quantities of water. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	
	Stable	X		Moisture and water.

Incompatibility (Materials to Avoid)	Acids and acid fumes.
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Hazardous Decomposition Products	Heat resulting from reaction with moisture and water.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wear suitable protective clothing. Avoid creating dust. 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. Neutralize with sodium bisulfate and flush to sewer with copious amounts of water or contract with an approved and licensed disposal agency.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None should be required in normal laboratory use. If dusty conditions prevail, use a NIOSH/MSHA-approved respirator or work in a ventilation hood.			
Ventilation	Local Exhaust	Recommended.	Special	No.	
	Mechanical (General)	Recommended.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, smock, apron, ventilation hood, proper gloves and eye wash station.				

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acids, acid fumes, heat, sparks and flame. Wash thoroughly after handling. Keep container tightly closed when not in use.
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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, eyes and mucous membranes. 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. 7	Date	4/28/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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	SODA LIME *
Chemical Synonyms	N/A
Formula	Mixture. See Section II.
Unit Size	up to 2.5 Kg.
C.A.S. No.	8006-28-8

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

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

Health	3
Fire	0
Reactivity	1

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Hydroxide: (CAS No. 1305-62-0)	> 80%	5 mg/m ³
Potassium Hydroxide: (CAS No. 1310-58-3)	< 3%	2 mg/m ³ (Ceiling).
Sodium Hydroxide: (CAS No. 1310-73-2)	< 2%	2 mg/m ³ (Ceiling).

DANGER! CORROSIVE! CAUSES SEVERE BURNS. AVOID BREATHING DUST.

SECTION III PHYSICAL DATA

Melting Point (°F)	Mixture: data not listed.	Specific Gravity (H ₂ O = 1)	Approx. 2
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate ()	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Slightly soluble.		
Appearance & Odor	White to off white granules; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. In the use of water to fight fire, avoid splattering. A severe eye hazard; solid or concentration solution destroys tissue on contact.

* Soda Lime is a mixture of variable proportions of Calcium Hydroxide, Potassium Hydroxide, Sodium Hydroxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with acids. Not combustible, but in solid form, contact with moisture or water may generate sufficient heat to ignite combustible materials. Contact with some metals can generate hydrogen gas.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

D.O.T. Corrosive solids, n.o.s., (Soda lime with < 2% Sodium hydroxide), 8, UN 1759, PG III.

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