



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. CC 85
Effective Date February 1, 1999

SECTION V HEALTH HAZARD DATA

CC 85

Threshold Limited Value None established. (ACGIH 1992-93)

Effects of Overexposure Digestive disturbances (nausea, vomiting, loss of appetite or constipation)-chronic exposure-Fluorosis. Respiratory tract irritation. May cause eye and skin irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures
INHALATION: Remove to fresh air. If illness or discomfort develop, get medical attention. **EYES:** Flush with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **SKIN:** Flush with soap and water. If irritation develops or persists, get medical attention. **INGESTION:** If conscious, give water to drink and call physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Strong oxidizers, excessive heat, sparks and open flames.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers, acids and acid fumes. Hot sulfuric acid on Fluorspar can produce Hydrofluoric acid.

Hazardous Decomposition Products Fumes or vapors of Fluorides or Hydrofluoric acid.

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 Absorb with an inert dry material, sweep up and place in a suitable container for proper disposal.

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 ventilated hood or wear a NIOSH/MSHA-approved dust mask.

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

Protective Gloves None required. Recommend rubber for repeated exposure. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, lab coat, eye wash station, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated place away from acids and 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.

Do not breath dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse.

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

Revision No. 3	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. Employees 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 FLUORIDE	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	0																	
Reactivity	0																	
Chemical Synonyms	Fluorspar, Fluorite, Calcium difluoride																	
Formula	CaF ₂																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	7789-75-5																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium fluoride	100%	None established.

WARNING! MAY BE HARMFUL IF INHALED OR SWALLOWED. CAUSES IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	1423°C (2593°F)	Specific Gravity (H ₂ O = 1)	3.180
Boiling Point (°F)	Decomposes @ 4532°C (2500°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	7.6 @ 2100°C (3812°F)	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	0.0016% @ 18°C (64°F)		
Appearance & Odor	White powder or crystals; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Use dry chemicals, carbon dioxide, water spray or foam.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous when heated to decomposition or on contact with acid or acid fumes, emits highly toxic fume of fluoride.

D.O.T. NON-REGULATED.

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