



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. CC 155  
Effective Date February 3, 1999

## SECTION V HEALTH HAZARD DATA

CC 155

### Threshold Limited Value

TWA: 10 mg/m<sup>3</sup>. (ACGIH 1992-93)

### Effects of Overexposure

**INGESTION:** Because it hardens quickly after absorbing moisture, its ingestion may result in obstruction, particularly at the pylorus. **EYES:** May cause irritation. **SKIN:** Causes drying and irritation. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYE CONTACT:** Flush eyes thoroughly with water for 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention. **SKIN:** Flush with water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, drink large quantities of water to delay "setting". Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Moisture - sets to a hardened mass.

Incompatibility (Materials to Avoid)	Acids.
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Hazardous Decomposition Products	When heated to decomposition (above 1400°C), emits toxic fumes of oxides of sulfur and Calcium Oxide dust.
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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	Sweep up and place in a suitable container for disposal. Avoid creating dust. May plug drains. 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. Uncontaminated material may be disposed of in a sanitary landfill.
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## 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.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
Protective Gloves	None required, but recommend gloves for repeated exposures.		Eye Protection
Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station, ventilation hood.		

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Wash thoroughly after handling.
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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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Remove and wash contaminated clothing.

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

Revision	No. 5	Date	2/3/99	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 SULFATE, HEMIHYDRATE
Chemical Synonyms	Plaster of Paris, dried gypsum
Formula	CaSO <sub>4</sub> •1/2H <sub>2</sub> O
Unit Size	up to 12 Kg.
C.A.S. No.	10034-76-1

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

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

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Sulfate, Hemihydrate	>90%	See Section V.

**WARNING! HARMFUL IF SWALLOWED.**

**NUISANCE DUST.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	-H <sub>2</sub> O @ 128°C (262°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.79 @ 20°C
Boiling Point (°F)	None listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	0.23 grams in 100 mL. of water at 20°C.		
Appearance & Odor	White powder, granular, lumps; no odor. Hygroscopic.		

## 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

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition (above 1400°C), emits toxic fumes of oxides of sulfur and Calcium Oxide as dust.

D.O.T. NON-REGULATED.

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