



**ALDON CORPORATION**

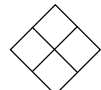
**MATERIAL SAFETY DATA SHEET**

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: CC0156  
Effective Date: January 1, 2007

**SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE**

<b>Product</b>	Calcium Sulfate
<b>Chemical Synonyms</b>	Gypsum, Lumps
<b>Formula</b>	CaSO <sub>4</sub> •2H <sub>2</sub> O
<b>Unit Size</b>	up to 12 Kg.
<b>C.A.S. No.</b>	10101-41-4



**CHEMTREC**  
800-424-9300  
Day 585-226-6177

**NFPA**

HAZARD RATING		SERIOUS		SEVERE	
MINIMAL	SLIGHT	MODERATE	3	4	
0	1	2			

<b>Health</b>	1
<b>Fire</b>	0
<b>Reactivity</b>	0

**HMIS\***

**SECTION II INGREDIENTS OF MIXTURES**

Principal Component(s)	%	TLV Units
Calcium sulfate	> 90%	See Section V.
<b>WARNING!</b>		

**HARMFUL IF SWALLOWED OR INHALED. 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)	2.32
Boiling Point (°F)	-2H <sub>2</sub> O @ 163°C (325°F)	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	0.24 grams per 100 mL. of water at 20°C.		
Appearance & Odor	White granular or lumps; no odor.		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	Lower	Upper
<b>Extinguisher Media</b>	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, emits toxic fumes of oxides of sulfur and Calcium Oxide as dust.

**SECTION V HEALTH HAZARD DATA** CC0156

**Threshold Limited Value** TWA: 10 mg/m<sup>3</sup> (ACGIH 2001).

**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. **INHALATION:** Breathing of dusts may cause irritation to the eyes, nose, throat and upper respiratory tract. Target organs: None known.

**Emergency and First Aid Procedures** **INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SECTION VI REACTIVITY DATA**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Moisture - sets to a hardened mass.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Acids.

**Hazardous Decomposition Products** When heated to decomposition, emits toxic fumes of oxides of sulfur and Calcium Oxide dust.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
Not applicable.	

**SECTION VII SPILL OR LEAK PROCEDURES**

**Steps to be taken in case material is released or spilled** Recover for use if not contaminated. Avoid creating excessive dust. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**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 an approved chemical landfill or contract with a licensed waste disposal service.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

<b>Respiration Protection (Specify Type)</b>	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.			
<b>Ventilation</b>	<b>Local Exhaust</b>	Recommended.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.
<b>Protective Gloves</b>	None required, but recommend gloves for repeated exposures.		<b>Eye Protection</b>	Chemical safety glasses.
<b>Other Protective Equipment</b>	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.  
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. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.  
Avoid breathing dust. Remove and wash contaminated clothing.

<b>Revision No.</b> 6	<b>Date</b> 01/01/07	<b>Approved</b> James A. Bertsch	<b>Chemical Safety Coordinator</b> JAB
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