



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. CC 134  
Effective Date February 2, 1999

## SECTION V HEALTH HAZARD DATA

CC 134

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

**INGESTION:** Large quantities produce specific irritation of the mouth, throat, and gastrointestinal tract; nausea, vomiting, cramps and diarrhea. **SKIN:** Local irritation of the skin may result from contact with the powder or concentrated aqueous solution. **EYES:** Local irritation of the eye may result from contact with powder, granules, or aqueous solution.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**SKIN:** Flush with water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.  
**INGESTION:** None should be needed, unless very large quantities are swallowed. If conscious, give one or two glasses of water to drink, induce vomiting, and call a physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Elevated temperatures may cause melting or dehydration.
	Stable	X	

Incompatibility (Materials to Avoid)	The material is relatively inert. It forms an acid solution in water.
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Hazardous Decomposition Products	Thermal decomposition may release, toxic oxides of phosphorus.
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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	Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Flush spill area with water. Do not allow wash water to pollute water ways and streams.
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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.
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Uncontaminated material may be disposed of in a sanitary landfill.

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

Protective Gloves	None required. Recommend rubber gloves for repeated exposure.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.
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## 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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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.
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Avoid dispersion of dust in air.  
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	2/2/99	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 PHOSPHATE, MONOBASIC
Chemical Synonyms	Monocalcium Phosphate Monohydrate
Formula	CaH <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> •H <sub>2</sub> O
Unit Size	up to 2.5 Kg.
C.A.S. No.	7758-23-8

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

Health	0
Fire	0
Reactivity	1

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

HMIS \*  
3 4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Calcium Phosphate, Monobasic, Monohydrate	>99%	None established

CAUTION! MAY BE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION TO SKIN, EYES, AND MUCOUS MEMBRANES.		
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## SECTION III PHYSICAL DATA

Melting Point (°F)	-H <sub>2</sub> O @ 100°C (212°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.220 at 20°C
Boiling Point (°F)	Decomposes (200°C) 392°F	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (Butyl Acetate =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	1.8 grams per 100 mL at 30°C.		
Appearance & Odor	White, granular or powder solids; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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### SPECIAL FIREFIGHTING PROCEDURES

This material is not combustible, nor will it support combustion. In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

D.O.T. NON-REGULATED.

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