MATERIAL SAFETY DATA SHEET

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C0938, C0940
81130-03

MSDS No.
Effective Date 3/1/93

SECTION I NAME

Product	Calcium Phosphate, Monobasic, Monohydrate
Chemical Synonyms	
Formula	$Ca(H_2PO_4)_2 \cdot H_2O$
RTECS #	---
C.A.S. No.	10031-30-8

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC
800-424-9300
Day (800) 256-2586

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
NA = Not Applicable		
NE = None Established		

SECTION III PHYSICAL DATA

Melting Point (°F)	100°C (loses water)	Specific Gravity ($H_2O = 1$)	2.22
Boiling Point (°F)	203°C (Decomposes)	Percent Volatile by Volume (%)	NA
Vapor Pressure (mm Hg)	NA	Evaporation Rate (_____ = 1)	NA
Vapor Density (Air = 1)	NA		
Solubility in Water	Slightly		
Appearance and Odor	White powder, no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

SPECIAL FIREFIGHTING PROCEDURES: Not considered to be a fire/explosion hazard.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered to be a fire/explosion hazard.

D.O.T.: Not Regulated

Approved by U.S. Department of Labor "essentially similar" to form OSHA-174

SECTION V HEALTH HAZARD DATA

Threshold Limited Value: NE

Effects of Overexposure: Acute: Slight irritation possible to skin, eyes, lungs,mucous membranes and GI tract. Chronic: None known.

Emergency and First Aid Procedures: Skin: Wash exposed area with soap and water. Get medical advice if irritation develops. Eyes: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Ingestion: If swallowed induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to a unconcious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		**Conditions to Avoid**	Heat
	Stable	X		

Incompatibility (Materials to avoid): None given

Hazardous Decomposition Products: None known

Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	None
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of dust. Spills: Clean up in a manner that does not disperse dust into the air.

Waste Disposal Method: Dispose of in RCRA approved landfill.

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	Dust			
Ventilation	Local Exhaust	X	Special	
	Mechanical (General)	X	Other	
Protective Gloves	Vinyl or Rubber	**Eye Protection**	Glasses	
Other Protective Equipment	Lab coat			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Store in a cool dry location.

Keep container tightly closed when not in use.

Other Precautions: Read label on container before using.

Conditions Aggravated/Target Organs: Persons with preexisting skin, eye, or respiratory disorders may be more susceptible.

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

Rev. No.	Date	Approved	Chemical Safety Coordinator
3	3/1/93	R. M. Carlson	RMC

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