

MATERIAL SAFETY DATA SHEET

C0938, C0940
81130-03
MSDS No. 3/1/93
Effective Date

SECTION I NAME		24 HOUR EMERGENCY ASSISTANCE				
Product	Calcium Phosphate, Monobasic, Monohydrate	CHEMTREC	HEALTH	1		
Chemical Synonyms		800-424-9300	FLAMMABILITY	0		
Formula	Ca(H ₂ PO ₄) ₂ ·H ₂ O	Day (800) 256-2586	REACTIVITY	0		
RTECS #	---	HAZARD RATING				
C.A.S. No.	10031-30-8	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 (H₂O = 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.
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UNUSUAL FIRE AND EXPLOSION HAZARDS	Not considered to be a fire/explosion hazard.
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D.O.T.	Not Regulated
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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 unconscious person.

SECTION VI REACTIVITY DATA

Stability Unstable Stable X
Conditions to Avoid Heat

Incompatibility (Materials to avoid) None given

Hazardous Decomposition Products None known

Hazardous Polymerization Conditions to Avoid None
May Occur Will Not Occur 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 Mechanical (General) X Special 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.	3	Date	3/1/93	Approved	R. M. Carlson	Chemical Safety Coordinator	RMC
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