CALCIUM PHOSPHATE

7. SHIPPING INFORMATION

Common Synd	onyms	Solid	White	Odorless	4.1 Flash Point: Not flammable
Common Synonyms Calcium biphosphate Calcium superphosphate DCP Dicalcium phosphate MCP Monocalcium phosphate monohydrate		Sinks and mixe		Act flammable Limits in Air 4.2 Flammable Limits in Air 4.3 Fire Extinguishing Ager 4.4 Fire Extinguishing Ager Used: Not pertinent 4.5 Special Hazards of Corr Products: Currently noi 4.6 Behavior in Fire: Current	
Notify loca	act with solid a	Ind dust. Ilution control age	encies.		4.7 Auto Ignition Temperatu 4.8 Electrical Hazards: Not p 4.9 Burning Rate: Not pertin 4.10 Adiabatic Flame Tempe
Fire	Not flammat	ble.			not available 4.11 Stoichometric Air to Fu Pertinent
Exposure	DUST Irritating to e If inhaled wi If in eyes, h If breathing	old eyelids open has stopped, give	or difficult breathing. and flush with plenty of wat artificial respiration.	ler.	4.12 Flame Temperature: Cu available 4.13 Combustion Molar Rati Product): Not Pertinent 4.14 Minimum Oxygen Conc Combustion (MOCC):
	If breathing is difficult, give oxygen. SOLID Irritating to skin and eyes. If swallowed will cause nausea and vomiting. Remove contarninated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.			 CHEMICAL REA 1 Reactivity with Water: N 2 Reactivity with Common Some calcium phosphat solutions in water. These metals with formation of hydrogen gas, which me enclosed spaces. 3 stability During Transpo S.4 Neutralizing Agents for Caustics: Flush with w 	
Water Pollution	May be dan Notify local	v concentrations gerous if it enters health and wildlife itors of nearby w	e officials.		5.5 Polymerization: Not pert 5.6 Inhibitor of Polymerizati
 3.2 Symptoms Fo tract; prolo lungs. Ing cramps, ar gastrointer phosphate with skin b with conce 3.3 Treatment of I coughing, i quickly; inc patient's th stomach. holding ey chemical a another 15 do not atte 3.4 TLV-TWA: Not 5.5 TLV-STEL: No 3.6 TLV-Ceiling; N 3.7 Toxicity by Inf 3.8 Toxicity by Inf 3.11 Liquid or Soli 3.12 Odor Thresho 3.15 OSHA PEL-TS 	lowing Expose nged inhalation section of large i d diarrhea; MC sitional tract. Lo s; prolonged or vpMCP may can ntrated aqueou vpMCP may can ntrated aqueou vpMCP may can ntrated aqueou vpMCP may can ntrated aqueou vpMCP may can spectration, luce vorniting b vpMCP may can an trated aqueou vpMCP may can spectration is spectration gents; get med min. SKIN: in gents; get med to listed. t listed. t Characterist id Characterist id Characterist id Characterist id Stable. VA: Not listed.	ent: Dust mask, rure: Inhalation o of concentrated quantities of any 2P may also be c cal irritation of th repeated exposi- use local irritatio use local irritation use local irritati use local irritati use local irr	pyrophosphate may cause form of calcium phosphate orrosive to membranes of i eyes may result from cor res to MCP may lead to chin or chronic dermatitis; pro 7 may cause local irritation to clean air; see physiciar ontess of breath. INGEST ounts of water or warm sai ear; follow with milk, eggs, rige quantities of running w shing of eyes and lids; do i sky; if physician is not ava with water; remove contam agent; get medical attention g	may cause nausea, vomiting mouth, throat, and tact with any of these ronic conjunctivitis. Contact longed or repeated contact in case of persistent TION: get medical attention ty water, or by tickling back c or olive oil to soothe ater for at least 15 min., not attempt to neutralize with ilable, continue irrigation for inated clothing under shower	g. of
3.16 OSHA PEL-Ce 3.17 EPA AEGL: N					

ZANDO	
	7.1 Grades of Purity: NF; USP; Dentrifrice; Reagent
n Air: Not flammable	7.2 Storage Temperature: Ambient
Agents: Not pertinent	7.3 Inert Atmosphere: No requirement
Agents Not to Be	7.4 Venting: Open
t	7.5 IMO Pollution Category: Currently not available
Combustion	7.6 Ship Type: Currently not available
y not available	
urrently not available	7.7 Barge Hull Type: Currently not available
erature: Not pertinent	
Not pertinent	8. HAZARD CLASSIFICATIONS
ertinent	8.1 49 CFR Category: Not listed
emperature: Currently	8.2 49 CFR Class: Not pertinent
	8.3 49 CFR Package Group: Not listed.
o Fuel Ratio: Not	8.4 Marine Pollutant: No
e. Comently and	8.5 NFPA Hazard Classification: Not listed
e: Currently not	8.6 EPA Reportable Quantity: Not listed.
Ratio (Reactant to	8.7 EPA Pollution Category: Not listed.
inent	8.8 RCRA Waste Number: Not listed
Concentration for	8.9 EPA FWPCA List: Not listed
C): Not listed	6.9 EFAFWFCALIST. Not listed
REACTIVITY	9. PHYSICAL & CHEMICAL PROPERTIES
er: No reaction	9.1 Physical State at 15° C and 1 atm: Solid
mon Materials:	9.2 Molecular Weight: Monocalcium phos- phate:
phates form acid	252.16; Dicalcium phosphate: 136.06; Calcium pyrophosphate: 254
These may attack	
on of flammable	9.3 Boiling Point at 1 atm: Not pertinent9.4 Freezing Point: Not pertinent
h may collect in	
nsport: Stable	9.5 Critical Temperature: Not pertinent
for Acids and	9.6 Critical Pressure: Not pertinent
th water	9.7 Specific Gravity: 2-3 at 20°C (solid)
pertinent	9.8 Liquid Surface Tension: Not pertinent
ization: Not pertinent	9.9 Liquid Water Interfacial Tension: Not pertinent
	9.10 Vapor (Gas) Specific Gravity: Not pertinent
DLLUTION	
	9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
ble	9.12 Latent Heat of Vaporization: Not pertinent
Currently not	9.13 Heat of Combustion: Not pertinent
Demand (BOD): Mono	9.14 Heat of Decomposition: Not pertinent
Demand (BOD): None	9.15 Heat of Solution: Not pertinent
tration Potential:	9.16 Heat of Polymerization: Not pertinent
ofile: Not listed	9.17 Heat of Fusion: Currently not available
	9.18 Limiting Value: Currently not available
	. ,
	9.19 Reid Vapor Pressure: Currently not available
NOTE	1
NOTE	.o

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	P E R T I N E N T		P E R T I N E N T		P E R T I N E N T		P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
86	1.800		N O T E R T I N E N T		N O T P E R T I N E N T		N O T E R T I N E N T