

Harcros Chemicals Inc
 Kansas City, Kansas

MATERIAL SAFETY DATA SHEET Page 1

PRODUCT NAME : DICALCIUM PHOSPHATE DIHYDR USP
 PRODUCT CODE : 09948

Date: 4-FEB-2002 11:31:54.15

50# BAG

CAS #: 007757939

MSDS No. 000168
 Revision No./Date 01 920615
 Detail Number 00048/01

FORMULA: Ca H3 O4 P
 CHEM. FAMILY: inorganic compounds
 CHEMICAL NAME AND SYNONYMS:
 Dicalcium Phosphate
 Phosphoric Acid, Calcium Salt (1:1)
 MSDS 000168 DETAIL 00048
 SUPPLIERS NAME : Harcros Chemicals Inc.
 5200 Speaker Road
 Kansas City KS 66106-1095

SUPPLIERS PHONE NUMBER : 913-321-3131
 TRANSPORTATION EMERGENCY PHONE NUMBER : 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS : Acute
 PHYSICAL DATA : Pure Liquid

SECTION I HAZARDOUS INGREDIENTS

Ingredient Cas Number	MAX % W/W	SARA APPLIES	AIR CONTAMINANT LEVELS		
			TWA/TLV (ppm)	STEL (ppm)	CEIL (ppm)
Dicalcium Phosphate Calcium Phosphate Dibasic (CAS # 7757-93-9)	100.0	Y N N	Respirable	NOT OTHERWISE REGULATED	OSHA ACGIH
			Total	TWA 15 mg/m3	OSHA
			Respirable	TLV 10 mg/m3	ACGIH
				TWA 5 mg/m3	OSHA

SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE

EYES
 Eye contact with product may cause mild irritation
 SKIN
 Prolonged or repeated skin contact may cause mild irritation
 INHALATION
 Inhalation may cause coughing sneezing
 INGESTION
 Ingestion may cause nausea vomiting diarrhea
 FIRST AID
 FIRST AID EYES

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SECTION II HEALTH HAZARDS

Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

FIRST AID SKIN

Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

FIRST AID INHALATION

Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.

FIRST AID INGESTION

Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call a physician immediately.

OTHER INFORMATION

OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE lungs

CARCINOGEN STATUS

No components, present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP, or OSHA.

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT

PROTECTIVE EQUIPMENT EYES

chemical goggles

PROTECTIVE EQUIPMENT SKIN

clean body covering clothing

PROTECTIVE EQUIPMENT INHALATION

If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Local mechanical ventilation may be required.

ADDITIONAL PROTECTIVE MEASURES

Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): > OR = N/A

Flammable Limits (% Volume in Air) UPPER: N/D Lower: N/D

EXTINGUISHING MEDIA

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SECTION IV FIRE & EXPLOSION HAZARD DATA

media appropriate for surrounding fire
FIRE FIGHTING PROCEDURES
Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS
none currently known

SECTION V PHYSICAL DATA

Boiling Point: N/D
Freezing Point: N/D
Specific Gravity (H(2)O=1): N/D
Vapor Pressure (MM HG.): N/D
Vapor Density (AIR=1): N/D
Evaporation Rate (NA =1): N/D
Solubility in Water: N/D
Percent Volatile by Volume: N/D to 7.500
pH: aqueous approx. 7.200 to 7.500
Appearance:
SOLID - POWDER, CRYSTAL, FLAKE, GRANULE
TABLET, PRILL, BRIQUETTE, ETC.

Odor :
NIL

SECTION VI REACTIVITY DATA

STABILITY

Stable
HAZARDOUS DECOMPOSITION PRODUCTS
oxides of phosphorus
HAZARDOUS POLYMERIZATION
Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Evacuate non essential personnel, eliminate ignition sources, and wear protective equipment (See Section III). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a

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50# BAG

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SECTION VII SPILL AND LEAK PROCEDURES

problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.

DISPOSAL METHOD

Solids must be disposed of in a permitted hazardous waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

SECTION VIII

Proper Shipping Name:

Hazard Class: UNCLASSIFIED
Label Requirements: NONE
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS

Wear protective equipment when handling. Use only with adequate ventilation. Do Not breathe dust. Avoid prolonged or repeated contact with skin. Do not swallow.

HANDLING

For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE

Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

SECTION X COMPLIANCE INFORMATION

TSCA INVENTORY STATUS :
Listed

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PRODUCT NAME : DICALCIUM PHOSPHATE DIHYDR USP
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Date: 4-FEB-2002 11:32:00.26

50# BAG

NAME: GENE TURNER

DATE ISSUED: 920615
DATE REVISED: 920615
UNK = UNKNOWN

N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/E = NOT ESTABLISHED

< = LESS THAN
> = MORE THAN

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