

FISHER SCIENTIFIC, CHEMICAL DIV. -- CALCIUM PHOSPHATE,DIBASIC,C 135-500 --  
6810-01-448-9760

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===== Product Identification =====

Product ID:CALCIUM PHOSPHATE,DIBASIC,C 135-500  
MSDS Date:09/02/1997  
FSC:6810  
NIIN:01-448-9760  
MSDS Number: CFRND  
=== Responsible Party ===  
Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.  
Address:1 REAGENT LANE  
City:FAIRLAWN  
State:NJ  
ZIP:07410  
Country:US  
Info Phone Num:201-79  
6-7100 OR 201-796-7523  
Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)  
CAGE:1B464  
=== Contractor Identification ===  
Company Name:FISHER SCIENTIFIC CO  
Address:2000 PARK LN  
Box:City:PITTSBURGH  
State:PA  
ZIP:15275  
Country:US  
Phone:412-490-8586  
CAGE:22527  
Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV  
Address:1 REAGENT LANE  
Box:City:FAIRLAWN  
State:NJ  
ZIP:07410-2802  
Country:US  
Phone:201-796-7100  
CAGE:1B464

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===== Composition/Information on Ingredients =====

Ingred Name

:PHOSPHORIC ACID, CALCIUM SALT/DICALCIUM PHOSPHATE

CAS:7757-93-9

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES. ACUTE- EYES:CAUSES IRRITATION. MAY RESULT IN CORNEAL INJURY. SKIN:CAUSES IRRITATION. INHALE:D

UST IS IRRITATING TO THE RESPIRATORY TRACT. ORAL:CAUSES GASTROINTESTINAL TRACT IRRITATI ON. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, COUGH, TEARING, NAUSEA, VOMITING, DIARRHEA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====

First Ai

d:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. GET MEDICAL AID. SKIN:WASH WITH PLENTY OF SOAP & WATER. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/O XYGEN IF NEEDED. ORAL:IF CONSCIOUS, INDUCE VOMITING. GIVE 2-4 CUPFULS OF MILK OR WATER. CALL A PHYSICIAN. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

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===== Fire Fighting Measures =====

Flash Point:NO

NE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSTION PRODUCTS OR SMOKE

Unusual Fire/Explosion Hazard:MAY EMIT TOXIC GASES.

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===== Accidental Release Measures =====

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. CAREFULLY SWEEP OR VACUUM THE SPILL AREA. COLLECT AND PLACE THE SPILLED MATERIAL IN A WASTE DISPOSAL CONTAINER. AVOID DUSTING.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN DRY PLACE, IN TIGHTLY CLOSED CONTAINER. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:WEAR GOGGLES IF DUST CAUSES EYE DISCOMFORT. WEAR A PROPERLY F

ITTED NIOSH-APPROVED DUST RESPIRATOR FOR DUSTY CONDITIONS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES/SKIN. AVOID INHALING/INGESTION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL DUST CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR SHOULD BE WORN. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO COMPLY WITH OSHA 29CFR 1910.134.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:COTTON/RUBBER/LATEX

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Decomp Temp:Decomp Text:662F,350C

Spec Gravity:2.3 (2H2O)

pH:6- 7.4

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:0.075% @ 100C/212F

Appearance and Odor:WHITE SOLID - ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES NONE

Stability Condition to Avoid:

DUST GENERATION

Hazardous Decomposition Products:OXIDES OF PHOSPHORUS

===== Disposal Considerations =====

Waste Disposal Methods:LANDFILL IN ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REUSING OR RECYCLING IS RECOMMENDED.

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