

HACH CO. -- PHOSVER 3 PHOSPHATE REAGENT,2125-59/99 -- 6810-01-236-8878

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Product Identification
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Product ID:PHOSVER 3 PHOSPHATE REAGENT,2125-59/99

MSDS Date:06/01/1995

FSC:6810

NIIN:01-236-8878

MSDS Number: CFTGX

=== Responsible Party ===

Company Name:HACH CO.

Address:5600 LINDBERGH DR

Box:608

City:LOVELAND

State:CO

ZIP:80539-0389

Country:US

Info Phone Num:970-669-3050

Emergency Phone Nu

m:303-623-5716

CAGE:91224

=== Contractor Identification ===

Company Name:CHATTANOOGA SUPPLY CO

Address:1042 GRAYSVILLE RD

Box:22063

City:CHATTANOOGA

State:TN

ZIP:37422-2063

Country:US

Phone:615-899-8484

CAGE:0X8J2

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

CAGE:91224

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Composition/Information on Ingredients
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Ingred Name:ASCORBIC ACID

CAS:50-81-7

RTECS #:CI7650000

Fraction by Wt:

15 - 24%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED

Ingred Name:OTHER COMPONENTS

Fraction by Wt: 0.1 - 1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM PYROSULFATE

CAS:7790-62-7

Fraction by Wt: 75 - 84%

Other REC Limits:NONE RECOMMENDED

Ingred Name:MOLYBDIC ACID DISODIUM SALT, DIHYDRATE

CAS:10102-40-6

RTECS #:QA5085000

Fraction by Wt: 1 - 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (MO)

ACGIH TLV:5 MG/M3 (MO)

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LD50 LC50 Mixture:LD50 (ORAL, RAT) 2340 MG/KG

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, LIVER, BLOOD,

RESPIRATORY & GI TRACTS. ACUTE- EYES:CAUSES BURNS. SKIN:NO EFFECTS
ARE ANTICIPATED. INHALATION:MAY CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION:MAY CAUSE COPPER DEFICIENCY ANEMIA, LIVER DAMAGE.

CHRONIC- MAY CAUSE COPPER DEFICIENCY, EN

ZYME ACTIVITY EFFECTS,

LIVER DAMAGE, ANEMIA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, PAIN, CHEMICAL BURNS,

NAUSEA, VOMITING, DIARRHEA, FATIGUE

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE

DISORDERS OR IMPAIRED GOUT OR RESPIRATORY FUNCTION MAY BE MORE
SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:M

OVE TO FRESH

AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CONSULT PHYSICIAN. SKIN:WASH WITH PL ENTY OF WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 1-2 GLASSES OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguish

ing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. 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:NONE REPORTED.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.

RECOVER AS MUCH AS

POSSIBLE. DISSOLVE BALANCE OF SPILL IN WATER AND NEUTRALIZE WITH SODA ASH. FLUSH REACTED MATERIAL TO THE DRAIN WITH LARGE AMOUNT OF WATER. DECONTAMINATE AREA OF SPILL WITH SOAP SOLUTION.

Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:STORE BETWEEN 50-77F, AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES. DO NOT GEN

ERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING. CAUTION! EMPTY CONTAINER RET AINS RESIDUE.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR MUST BE WORN.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:RUBBER, LATEX

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/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

DIFFERENT PERCENTAGE. FOR OTHER CONCENTRATION SEE PNI A, SAME NSN.

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===== Physical/Chemical Properties =====
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HCC:C1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:221F,105C

Spec Gravity:2.22

pH:1.5 5%

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:SOLUBLE

Appearance and Odor:WHITE POWDER - ODORLESS

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===== Stability and Reactivity Data =====
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Stability Indicator/Materials to Avoid:YES

OXIDIZERS, DYES, ALKALIES, IRON, COPPER

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:CARBON MONOXIDE, CA

RBON DIOXIDE,

SULFUR OXIDES, SODIUM MONOXIDE

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===== Disposal Considerations =====
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Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZED SOLUTION MAY BE FLUSHED INTO DRAIN WITH LARGE AMOUNT OF WATER, IF ALLOWED.

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