

PHOENIX INDUSTRIES INC -- CALCIUM HYPOCHLORITE, TECHNICAL -- 6810-01-358-4336

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Product Identification
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Product ID: CALCIUM HYPOCHLORITE, TECHNICAL

MSDS Date: 09/30/1997

FSC: 6810

NIIN: 01-358-4336

MSDS Number: CFVYL

=== Responsible Party ===

Company Name: PHOENIX INDUSTRIES INC

Address: 11028 S LEADBETTER RD UNIT 10

City: ASHLAND

State: VA

ZIP: 23005

Country: US

Info Phone Num: 804-264-5183/5536

Eme

Agency Phone Num: 804-264-5183/800-424-9300 (CHEMTREC)

CAGE: 0MLP0

=== Contractor Identification ===

Company Name: PHOENIX INDUSTRIES INC

Address: 11711 S ALAMEDA ST

Box: 54083

City: LOS ANGELES

State: CA

ZIP: 90054

Country: US

Phone: 213-564-5711

CAGE: 0MLP0

Company Name: PHOENIX INDUSTRIES INC

Address: 1519 CHAMBERLAYNE PARKWAY

Box: City: RICHMOND

State: VA

ZIP: 23222

Country: US

Phone: 804-264-5183/FAX: 264-5535

CAGE: 0YED2

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Composition/Information on Ingredients
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Ingred Name: CALCIUM

HYPOCHLORITE (CERCLA)

CAS:7778-54-3

RTECS #:NH3485000

Fraction by Wt: 65%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 PPM (CL)

ACGIH TLV:0.5PPM/1STEL(CL)9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:CALCIUM HYDROXIDE

CAS:1305-62-0

RTECS #:EW2800000

Fraction by Wt: 4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TL

V:5 MG/M3; 9596

Ingred Name:SODIUM CHLORIDE

CAS:7647-14-5

RTECS #:VZ4725000

Fraction by Wt: 15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 5 - 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

Ingred Name:CALCIUM CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CHLORATE

CAS:10137-74-3

RTECS #:FN9800000

Fraction by Wt: 1.5%

Other REC Limit

s:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 850 MG/KG (RTECS).

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:EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- DUST MAY IRRITATE RESPIRATORY TRACT CAUSING SHORTNESS OF BREATH, COUGHING. CORROSIVE TO EYES/SKIN. MAY CAUSE SEVERE EYE IRRITATION & EVEN BLIN

D NESS. SKIN CONTACT MAY CAUSE

TISSUE DESTRUCTION. IF SWALLOWED, CAUSES SEVERE BURNS OF GI TRACT.

CHRONIC- DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION, PAIN, ULCERATION, TEARING, BLINDNESS, SHORTNESS OF BREATH, COUGH, PULMONARY EDEMA, SORE THROAT, NASAL CONGESTION, LARYNGITIS, COMA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIB

LE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL HELP IMMEDIATELY. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 2-4 CUPFULS OF MILK OR WATER. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY ONLY. NOT COMBUSTIBLE, BUT MAY IGNITE COMBUSTIBLES. DO NOT USE CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND. COOL FIRE-EXPOSED CONTAINER WITH WATER.

Unusual Fire/Explosion Hazard

:OXIDIZER. INCREASES THE FLAMMABILITY OF ANY COMBUSTIBLE SUBSTANCES. DUST CAN BE EXPLOSIVE WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. VACUUM OR SWEEP UP SPILL. PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL. WASH AREA WITH WATER. DO NOT FLUSH TO SEWER. AVOID GENERATING DUST.

Neutralizing Agent:WEAK OR DILUTE ACID

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA AWAY FROM COMBUSTIBLE AND INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN/CLOTHING. AVOID BREATHING DUST. CAUSES SEVERE IRRITATION AND BURNS. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

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

Protective Gloves:NEOPRENE, PVC, RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

EPA REGISTRATION NUMBER: 3432-20005-68747

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

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

Decomp Temp:Decomp Text:356F,180C

Spec Gravity:2.35

pH:>7.5

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:217 G/L @ 27C/81F

Appearance

rance and Odor:WHITE POWDER WITH STRONG CHLORINE ODOR

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

Stability Indicator/Materials to Avoid:YES

AMINES, ANTHRACENE, CARBON, CARBON TETRACHLORIDE, CHARCOAL, ETHANOL,
GLYCEROL, GREASE, HCL, ORGANICS, SULFUR, PHENOL

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:CHLORINE GAS, HYDROGEN CHLORIDE

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

Waste Disposal Methods:CONSULT

LOCAL AUTHORITIES. DISPOSAL MUST BE IN

ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REUSING IS
RECOMMENDED.

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