

ALDRICH CHEMICAL CO INC. -- CALCIUM HYPOCHLORITE TECHNICAL -- 6810-00-255-0471
===== Product Identification =====

Product ID:CALCIUM HYPOCHLORITE TECHNICAL

MSDS Date:05/15/1991

FSC:6810

NIIN:00-255-0471

MSDS Number: BMDPJ

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC.

Address:1001 W. ST. PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-273-3850

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ergency Phone Num:414-273-3850/FAX 4979

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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

Ingred Name:CALCIUM HYPOCHLORITE

CAS:22464-76-2

RTECS #:NH3485500

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD

50 RAT IS 850 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE - HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CAUSES SEVERE IRRITATION. HIGH CONCENTRATIONS ARE EXTREMELY DESTRUCTIVE TO MUCOUS MEMBRANES, UPPER RESPIRATORY TRACT, EYES AND SKIN. SYMPTOMS MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMIT

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Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT ARE LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.

Effects of Overexposure:HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES SEVERE IRRITATION. HIGH CONCENTRATIONS ARE EXTREMELY DESTRUCTIVE TO MUCOUS MEMBRANES, UPPER RESPIRATORY TRACT, EYES AND SKIN. SYMPTOMS MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

Medical Cond

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

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYES AND SKIN: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN/CPR IF NEEDED. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, WASH MOUTH WITH WATER. CALL A PHYSICIAN.

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

Extinguishing Media:USE WATER SPRAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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===== Accidental

Release Measures =====

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. COVER WITH DRY-LIME, SAND, OR SODA ASH. PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS. WASH SPILL SITE AFTER PICKUP IS COMPLETE.

Neutralizing Agent:SODA-ASH

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT, SPARKS AND FLAME.

Other

Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. USE ONLY IN A CHEMICAL FUME HOOD. AVOID BREATHING DUST. HARMFUL DUST. KEEP TIGHTLY CLOSED. CAUSES SEVERE IRRITATION. KEEP AWAY FROM COMBUSTIBLE MATERIALS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV OR SELF CONTAINED BREATHING APPARATUS IN AN ENCLOSED AREA.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE, PVC

Eye Protection:SAFETY GLASSES/GOGGLES

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

Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES REQUIRE THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.

Supplemental Safety and Health

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

HCC:D1

Spec Gravity:2.35

Solubility in Water:APPRECIABLE

Appearance and Odor:OFF-WHITE GRANULAR POWDER.

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, STRONG REDUCING AGENTS

Stability Condition to Avoid:HIGH HEAT, FLAMES

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATION

S. A 3% SOLUTION CAN BE ACIDIFIED TO PH 2 (SULFURIC ACID) AND THEN EXCESS AMOUNT OF 50% SODIUM BISULFITE SHOULD BE ADDED. THIS P RECIPITATES MANGANESE, CHROMIUM, AND MOLYBDENUM.

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