

OLIN CORP CHEMICALS GROUP -- HTH - CALCIUM HYPOCHLORITE,TECHNICAL --
6810-01-065-2410

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

Product ID:HTH - CALCIUM HYPOCHLORITE,TECHNICAL

MSDS Date:12/20/1990

FSC:6810

NIIN:01-065-2410

MSDS Number: BJNPC

=== Responsible Party ===

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Info Phone Num:714-864-2310

E

mergency Phone Num:800-654-6911

Preparer's Name:C. A. EISENHARD

CAGE:53084

=== Contractor Identification ===

Company Name:A AND B CHEMICAL AND EQUIPMENT CO

Address:2931 2ND AVE SUITE 100

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-329-3197

CAGE:0F8M0

Company Name:OLIN CORP CHEMICALS GROUP

Address:120 LONG RIDGE RD

City:STAMFORD

State:CT

ZIP:06904

Country:US

Phone:203-356-3449,CHEMTREC 800-242-9300

CAGE:53084

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

Ing

red Name:CALCIUM HYPOCHLORITE MIXTURE, DRY, WITH >39% AVAILABLE
CHLORINE

CAS:22464-76-2

RTECS #:NH3485500

Fraction by Wt: 65-75%

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM CHLORIDE

CAS:7647-14-5

RTECS #:VZ4725000

Fraction by Wt: 10-20%

Other REC Limits:NONE SPECIFIED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM CHLORATE

CAS:10137-74-3

RTECS #:FN9800000

Fraction by Wt: 0-5%

Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM
CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Fraction by Wt: 0-5%

Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM HYDROXIDE

CAS:1305-62-0

RTECS #:EW2800000

Fraction by Wt: 0-4%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:5 MG/M3; 9293

Ingred Name:CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 0-4%

Other REC Limits:NONE SPECIFIED

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

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

Routes

of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:THIS MATERIAL HAS THE POTENTIAL TO BE IMMEDIATELY DANGEROUS TO LIFE AND HEALTH. IRRITATING TO THE NOSE, MOUTH, THROAT, AND LUNGS. CAN BURN RESPIRATORY TRACT. HIGH CONCENTRATIONS OR CHRONIC SMALLER EXP OSURES CAN RESULT IN PERMANENT LUNG DAMAGE. EXPOSURE TO EYE AND SKIN CAUSES SEVERE IRRITATION AND CAN RESULT IN DAMAGE.

Explanation of Carcinog

enicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE IRRITATION AND BURNING TO EXPOSED TISSUE OF EYES, SKIN, RESPIRATORY TRACT. INGESTION CAN BURN THE ENTIRE GASTROINTESTINAL TRACT INCLUDING THE STOMACH AND INTESTINES, RESULTING IN VOMITING, DIAR RHEA, BLEEDING AND/OR TISSUE ULCERATION. CAUSES SCAR TISSUE FORMATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN, CARDIOVASCULAR AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYE/SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED INGESTION: GIVE LARGE QUANTITIES OF WATER . DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. RELAUUNDER ANY EXPOSED CLOTHING BEFORE REUSE.

===== Fire Fighting Mea
sures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. DO NOT USE FIRE EXTINGUISHERS CONTAINING AMMONI

UM COMPOUNDS.

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

Spill Release Procedures: PICK UP SPILLED MATERIAL AND PLACE IN CLEAN, DRY CONTAINER FOR DISPOSAL. IF SPILLED INTO WATER, MONITOR FOR AVAILABLE CHLORINE AND PH. STAY UPWIND OF SPILLS, IF POSSIBLE.
Neutralizing Agent: CONTACT MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.
Other Precautions: MATERIAL IS A STRONG OXIDIZER. TAKE PRECAUTIONS.

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

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

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

Protective Gloves: NEOPRENE OR PVC

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USE OF NEOPRENE OR PVC BOOTS AND WORK APRON RECOMMENDED. REPORTABLE SPILL QUANTITY IS 10 LBS.

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

HCC: D1

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE, FREE FLOWING POWDER WITH A CHLORINE-LIKE ODOR.

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

Stability Indicator/Materials to Avoid: YES

ACIDS, ORGANICS, NITROGEN-CONTAINING COMPOUNDS, DRY POWDER FIRE EXTINGUISHERS, CORROSIVE OR FLAMMABLE MATERIALS.

Stability Condition to Avoid: HIGH TEMPERATURES (>350F), SPARK

S, AND
OPEN FLAMES

Hazardous Decomposition Products:CHLORINE GAS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS. CONTAMINATED SPILL MATERIAL
MAY BE A HAZARDOUS WASTE.

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