

CHEMICAL COMMODITIES AGENCY -- CALCIUM HYPOCHLORITE -- 6810-01-358-4336  
===== Product Identification =====

Product ID:CALCIUM HYPOCHLORITE

MSDS Date:03/01/1993

FSC:6810

NIIN:01-358-4336

MSDS Number: BQYQT

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGENCY

Address:27447 PACIFIC STREET

City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Info Phone Num:714-864-2310

Emergency Phone Num:7

14-864-2310

Preparer's Name:C.A. EISENHARD

CAGE:60777

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZIP:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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

Ingred Name:CALCIUM HYPOCHLORIT

E (SARA III)  
CAS:7778-54-3  
RTECS #:NH3485000  
Fraction by Wt: 65%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:INERT MATERIALS  
Fraction by Wt: 35%  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION-RESPIRATORY TRACT  
IRRITATION. EYE OR SKIN-CORROSIV  
E TO EYES. DUST CAN CAUSE SEVERE  
IRRITATION & EVEN BLINDNESS. SKIN CONTACT MAY CAUSE SEVERE  
IRRITATION, BURNS OR TISSUE DESTRUCTION. INGEST ION-SEVERE BURNS TO  
THE DIGESTIVE TRACT& MAY BE FATAL.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
Effects of Overexposure:INHALATION-NASAL CONGESTION, COUGHING, SORE  
THROAT, LARYNGITIS, SHORTNESS OF BREATH. PULMONARY EDEMA (FLUID IN  
LUNGS) MAY BE PRODUCED WHERE THERE ARE OPERATIONS WITH HIGH  
CONCENTRATIONS IF NOT TREATED IMMEDI  
ATELY THIS CAN BE LIFE  
THREARENING. SINCE THIS PRODUCT IS IN GRANULAR FORM, PARTICLES OF  
RESPIRABLE SIZE.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING PERFORM CPR.  
GIVE OXYGEN. CALL PHYSICIAN. EYE OR SKIN-FLUSH WITH PLENTY OF WATER  
FOR AT LEAST 15 MIN. IF SKIN IRRITATION PERSISTS SEEK MEDICAL  
ATTENTIO N. GET MEDICAL ATTENTION FOR EYES. INGESTION  
-DRINK LARGE  
QUANTITIES OF WATER AND VEGETABLE OIL. DO NOT INDUCE VOMITING. GET  
IMMEDIATE MEDICAL HELP.

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

Flash Point:NONE.  
Extinguishing Media:"WATER ONLY" SMOTHERING INEFFECTIVE-PRODUCT  
SUPPLIES OWN OXYGEN.  
Fire Fighting Procedures:FIRE-FIGHTERS MUST WEAR NIOSH/MSHA APPROVED,  
PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE FOR POSSIBLE EXPOSURE TO HAZARDOUS GASES.  
Unusual Fire/Explos

ion Hazard:DECOMPOSES AT 180C RELEASING OXYGEN GAS;  
CONTAINERS MAY RUPTURE.

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

Spill Release Procedures:USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. SWEEP UP ALL VISIBLE MATERIAL USING A CLEAN DRY SHOVEL & BROOM & DISSOLVE MATERIAL IN WATER. PRODUCT SHOULD BE USED IMMEDIATELY.

Neutralizing Agent:HYDROGEN PEROXIDE.

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

Handling and Storage Precau

tions:STORE IN A COOL DRY AREA. STORE IN

ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT SOURCES, SPARKS OR OPEN FLAMES.

Other Precautions:USE ONLT CLEAN METAL OR PLASTIC SCOOP WHEN DISPENSING THSI PRODUCT. MAY CAUSE FIRE OR EXPLOSION HAZARD WHEN MIXED WITH OTHER CHEMICALS. DO NOT REUSE CONTAINERS. DESTROY BY PLACING INTO TRASH COLLECTIO N.

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

Respiratory Protection:IF DUSTY COND

ITIONS ARE ENCOUNTERED, USE NIOSH/

MSHA APPROVED RESPIRATOR WITH ACID GAS CARTRIDGE AND DUST PREFILTERS.

Ventilation:LOCAL EXHAUST: NONE UNLESS DUSTY CONDITIONS ARE ENCOUNTERED.

Protective Gloves:NATURAL OR SYNTHETIC RUBBER.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:BOOTS, APRONS, CHEMICAL SUITS SHOULD BE USED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:EYE WASH FOUNTAIN QUICK DRENCH SHOWER.

Supplemental Safety and Health

NONE

===== Ph  
ysical/Chemical Properties =====

HCC:D1

Boiling Pt:B.P. Text:180C DECOMP

Solubility in Water:217 G/L

Appearance and Odor:WHITE POWDER WITH SLIGHT CHLORINE ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, COMBUSTIBLE MATERIALS, ORGANICS, REDUCING AGENTS.

Stability Condition to Avoid:CONTAMINATION OR EXCESSIVE HEAT ABOVE 177C.

Hazardous Decomposition Products:ACIDS OR AMMONIA CONTAMINATION WILL RELE

ASE TOXIC GASES, DECOMPOSITION WILL RELEASE OXYGEN AND CHLORINE GAS.

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

Waste Disposal Methods: CAREFULLY NEUTRALIZE DISSOLVED MATERIAL BY ADDING HYDROGEN PEROXIDE-ONE PINT OF 35% HYDROGEN PEROXIDE SOLUTION PER POUND OF CALCIUM HYPO. TO BE NEUTRALIZED. FLUSH NEUTRALIZED MATERIAL TO SEWER.

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