

VAN WATERS AND ROGERS INC., UNIVAR CORP. -- CALCIUM HYPOCHLORITE TECHNICAL --
6810-00-255-0471

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

Product ID:CALCIUM HYPOCHLORITE TECHNICAL
MSDS Date:01/01/1993
FSC:6810
NIIN:00-255-0471
MSDS Number: BRKCL
=== Responsible Party ===
Company Name:VAN WATERS AND ROGERS INC., UNIVAR CORP.
Address:1600 NORTON BLDG. 801 2ND AVENUE
City:SEATTLE
State:WA
ZIP:98104-1564
Cou
ntry:US
Info Phone Num:CALL LOCAL VAN WATERS & ROGERS
Emergency Phone Num:206-447-5911/800-424-9300(CHEMTREC)
CAGE:87664

=== 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:VAN WATERS AND ROGERS INC., UNIVAR CORP.
Address:1600 NORTON BLDG. 801 2ND AVENUE
Box:City:SEATTLE
State:WA
ZIP:98104-1564
Country:US
Phone:206-447-5911/800-424-9300(CHEMTRE
C)
CAGE:87664

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

Ingred Name:CALCIUM HYPOCHLORITE (SARA III)
CAS:7778-54-3
RTECS #:NH3485000
Fraction by Wt: 65-75%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 10-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM CHLORATE
CAS:10137-74-3

Name:CALCIUM CHLORIDE
CAS:10043-52-4
RTECS #:EV9800000
Fraction by Wt: 0-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM HYDROXIDE
CAS:1305-62-0
RTECS #:EW2800000
Fraction by Wt: 0-4%
Other REC Limits:NONE RECOMMENDED
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 RECOMMENDED

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

Routes of Entry: Inhalation:YES Sk
in:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EXTREMELY CORROSIVE TO ALL BODY
TISSUES, AND MAY CAUSE SEVERE CHEMICAL BURNES. MOISTURE FROM
PERSPIRATION WILL ACCELERATE TISSUE DESTRUCTION. LARGE DOSES MAY BE
FATAL. CHRONIC: REPEATED INHALAT ION MAY CAUSE IMPAIRMENT OF LUNG
FUNCTION, AND PERMANENT LUNG DAMAGE.
Effects of Overexposure:EYES/SKIN: SEVERE IRRITATION AND BURNS.
INHALATION: IRRITATION AND BURNS TO T
HE ENTIRE RESPIRATORY TRACT,
CONFUSION, COLLAPSE. INGESTION: IRRITATION AND BURNS TO MOUTH,
THROAT AND ENTIRE DIGESTIVE TRA CT ACCOMPANIED BY SEVERE PAIN,
VOMITINGAND COLLAPSE.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF
RESPIRATORY OR SKIN CONDITIONS MAY BE AT INCREASED RISK.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR.
SKIN: REMOVE CONTAMINATED CLOTHING. WA

SH WITH SOAP AND WATER. SEE

DOCTOR. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.
SEE DOCTOR. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK. DO
NOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

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

Extinguishing Media:FLOOD WITH WATER.

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

Unusual Fire/Explosion Hazard:CONTAMINATION OR MIXING WITH ACIDS OR
ACID FUMES MAY RESULT IN EXPLOSION OR FIRE OF GREAT INTENSITY.
HIGHLY TOXIC AND CORROSIVE FUMES MAY BE PRODUCED IN FIRE.

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

Spill Release Procedures:SWEEP UP AND DISPOSE OF IN DOT APPROVED WASTE
CONTAINERS. DO NOT ALLOW SPILLAGE TO GET INTO SEWERS, STORM DRAINS,
SURFACE WATER, AND SOIL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. KEEP BAGS OR FIBER DRUMS DRY AT ALL TIMES. USE CLEAN DRY
UTENSILS TO REMOVE PRODUCT FROM CONTAINERS.

Other Precautions:DO NOT REUSE EMPTY CONTAINERS. STORE BELOW 125F.
EMPTY CONTAINERS CONTAIN RESIDUE. OBEY HAZARD WARNINGS AND HANDLE
CONTAINERS AS IF THEY WERE FULL.

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

Respiratory

Protection:USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST
CARTRIDGE IF TLV IS EXCEEDED.

Ventilation:LOCAL EXHAUST TO MAINTAIN EXPOSURE LEVEL BELOW TLV.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:RUBBER APRON, RUBBER BOOTS. IMPERVIOUS
CLOTHING. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER
CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

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===== Ph

ysical/Chemical Properties =====

HCC:D1

Melt/Freeze Pt:M.P/F.P Text:351F,177C

Spec Gravity:2.35

Solubility in Water:21%

Appearance and Odor:WHITE GRANULES. CHLORINE ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, REDUCING AGENTS, COMBUSTIBLE MATERIALS SUCH AS WOOD, CLOTH,
ORGANIC MATERIALS, METALS, WATER OR STEAM.

Stability Condition to Avoid:EXCESSIVE HEAT, MOISTURE OR CONTAMINATION
OF ANY KIND.

Hazardous Decomposition Products:TOXIC AND CORROSIVE FUMES OF CHLORINE
GAS ARE EMITTED DURING COMPOSITION OR UPON EXPOSURE TO ACIDS OR
WATER.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN
COVERED CONTAINERS PENDING DISPOSAL. DISPOSE OF IN ACCORDANCE WITH
FEDERAL, STATE AND LOCAL REGULATIONS.

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