

VAN WATERS AND ROGERS INC -- CHROMIC ACID -- 6810-00-264-6517

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

Product ID:CHROMIC ACID

MSDS Date:02/01/1993

FSC:6810

NIIN:00-264-6517

MSDS Number: BRGVG

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:1600 NORTON BLDG.

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Info Phone Num:408-435-8700

Emergency Phone Num:408-435-8700/800-424-9300

(CHEMTREC)

Preparer's Name:C.A.EISENHART

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(CHEMTREC)

CAGE:87664

===== Composition/Information on Ingredients

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Ingred Name:CHROMIUM (VI) OXIDE
CAS:1333-82-0
RTECS #:GB6650000
Fraction by Wt: >99%
OSHA PEL:C, 0.1 MG/M3 (CRO3)
ACGIH TLV:0.05 MG/M3(CR); 8990

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

LD50 LC50 Mixture:NIOSH:.025MG(CR4)/M3;10HR TWA=.05MG
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE:DUST IS EXTREMELY
CORROSIVE;CAN CAUSE SEVERE DAMAGE.SKIN
:IRRITATION.INHAL:IRRITATION
OF THE NASAL SEPTUM & RESPIRATORY TRACT.INGESTION:CAN CAUSE EXTREME
TISSUE DESTRUCTION,KIDNEY FAILURE & D
EATH.CHRONIC-EYE:CONJUNCTIVITIS.SKIN:ESPEC. BROKEN,MAY CAUSE
"CHROME SORE".
Explanation of Carcinogenicity:CR (VI) COMPOUNDS ARE CONSIDERED SUSPECT
CARCINOGENS.
Effects of Overexposure:EYES:CORROSIVE,SEVERE DAMAGE,PERMANENT
INJURY,BLINDNESS;SKIN:BURNS,IRRITATION,CHROME SORES,SKIN
SENSITIZATION, KIDNEY FAIL SEPTUM & RESPIRATORY TRACT,AS
THMA-LIKE
SYMPTOMS;INGESTION: TISSUE DISTRUCTION ,SEVERE INJURY,DELAYED TOXIC
EFFECTS,KIDNEY OR LIVER FAILURE.
Medical Cond Aggravated by Exposure:CONTACT WITH BROKEN SKIN CAN CAUSE
"CHROME SORES".SKIN CAN BECOME SENSITIZED AND MASSIVE OVER-EXPOSURE
TO SOLUTIONS CAN ABSORB HARMFUL AMOUNTS, LEADING TO KIDNEY FAILURE
AND DEATH.

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

First Aid:EYE:IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MIN.GET
MEDICAL ATT
ENTION.SKIN:IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15
MIN.DESTROY CONTAMINATED SHOES.CALL A DOCTOR.INHALATION:REMOVE TO
FRESH AIR.G IVE CPR IF NEEDED.CALL A PHYSICIAN.INGESTION:DON'T
INDUCE VOMITING.IF CONSCIOUS,GIVE LOTS OF WATER/MILK.GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL OR CO2. DO NOT USE WATER.(UNDER
CERTAIN CONDITIONS CONTACT WITH WATER CAN CAUSE STEAM EX

PLOSIONS).

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:PRODUCT MAY CAUSE FIRE IF IT DRYES ON CLOTHING,WOOD,COMBUSTIBLES.CONTACT WITH FLAMMABLE MATERIALS MAY CAUSE IMMEDIATE FIRE OR EXPLOSION,ESPECIALLY IF HEATED.

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

Spill Release Procedures:WEAR RESPIRATOR EQUIPPED WITH PARTICULATE FILTERS AND EYE PROTECTION. SWEEP UP AND DISPOSE OF IN DOT APPROVED WASTE CONTAINERS.

Neutralizing Agent:20% SODIUM BICARBONATE.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED PLACE AWAY FROM OTHER CHEMICALS & SOURCES OF CONTAMINATION.KEEP CONTAINER TIGHTLY CLOSED.DO NOT STORE IN HUMID PLACE

Other Precautions:DO NOT CUT,GRIND,WELD OR DRILL NEAR CONTAINER. TREAT

EMPTY CONTAINERS AS IF THEY WERE FULL.FOLLOW HAZARD WARNINGS. DO NOT GET IN EYES,SKIN OR CLOTHING.DO NOT BREATHE THE DUST.

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

Respiratory Protection:NIOSH APPROVED CARTRIDGE RESPIRATOR FOR ACID MISTS.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING DUST EMISSIONS AT THE POINT OF USE BELOW THE PEL.

Protective Gloves:PVC GLOVES WITH GAUNTLETS.

Eye Protection:CHEMICAL GOGGLES & FULL FACE SHIELD.

Other Protective Equipment:ACID RESISTANT SLICKER SUIT WITH PVC APRON & BOOTS. EYEWASH STATION & SAFETY SHOWER.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING IMMEDIATELY.DO NOT LAUNDRER AT HOME.AVOID WEARING LEATHER SHOES & GLOVES.TAKE SHOWER DAILY.

Supplemental Safety and Health

NOTE TO PHYSICIAN:MASSIVE OVEREXPOSURE TO SOLUTIONS COULD LEAD TO KIDNEY FAILURE AND DEATH.EARLY RENAL DIALYSIS IS RECOMMENDED.ONE GRAM ASCORBIC ACID (ORAL/IV) FOLLOWED BY 100 MG T.I.D.

FOR 14

DAYS.SK IN ULCERS MAY BE TREATED BY REMOVAL FROM EXPOSURE, DAILY
CLEANSING & DEBRIDEMENT, & ANTIBIOTIC CREAM.

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

HCC:D3

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:387F (197C)

Spec Gravity:2.7

Solubility in Water:62.5%

Appearance and Odor:DARK RED FLAKES, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

REDUCING AGENTS, COMBUSTIBLE MATERIALS SUCH AS OILS OR GREASES, WATER AND ORGANICS.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:CHROMIC OXIDE

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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