

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

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Product Identification  
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Product ID:CHROMIC ACID

MSDS Date:03/01/1990

FSC:6810

NIIN:00-264-6517

MSDS Number: BDQMK

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Info Phone Num:206-447-5911 OR 714-864-2310

Emergency Phone Num:408-435-8700 OR 714-8  
64-2310

CAGE:0AN91

=== 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

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Phone:408-435-8700/800-424-9300(CHEMTREC)

CAGE:0AN91

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Composition/Information on Ingredients  
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Ingred Name:CHROMIUM (VI) OXIDE

CAS:1333-82-0

RTECS #:GB665

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Fraction by Wt: >99%

OSHA PEL:C, 0.1 MG/M3 (CRO3)

ACGIH TLV:0.05 MG/M3(CR); 8990

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

LD50 LC50 Mixture:LD50 ORAL RAT=50-500MG/KG

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:DUSTS ARE EXTREMELY

CORROSIVE.CAN CAUSE SEVERE DAMAGE.SKIN:IRRITATION.INHALE:IRRITATION  
OF THE NASAL SEPTUM & RESPIRATORY TRACT.INGESTION

:CAN CAUSE EXTREME

TISSUE DESTRUCTION,KIDNEY FAILURE &

DEATH.CHRONIC-EYE:CONJUNCTIVITIS.SKIN:ESPEC. BROKEN,MAY CAUSE  
"CHROME SORE".INHALE:ULCERATION OF NASAL SEPTUM.

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,ASTHMA-LIKE  
SYMPTOMS;INGESTION:TISSUE DISTRUCTI

ON,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.

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

First Aid:EYE:IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MIN.GET

MEDICAL ATTENTION.SKIN:IMMEDIATELY FLUSH WITH RUNNING WATER F

OR 15

MIN.DESTROY CONTAMINATED SHOES.CALL A DOCTOR.INHALATION:REMOVE TO

FRESH AIR.GIVE CPR IF NEEDED.CALL A PHYSICIAN.INGESTION:DON'T

INDUCE VOMITING.IF CONSCIOUS,GIVE LOTS OF WATER/MILK.GET IMMEDIATE  
MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL OR CO\*2. DO NOT USE WATER.(UNDER

CERTAIN CONDITIONS CONTACT WITH WATER CAN CAUSE STEAM EXPLOSIONS).

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.

===== 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 WITH PARTICULATE FILTERS.

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 FACESHIELD.

Other Protective Equipment:ACID RESISTANT SLICKER SUIT WITH PVC APRON &

BOOTS. EYEWASH STATION & SAFETY SHOWER.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING IMMEDIATELY.DO NOT LAUNDRY 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.SKIN ULCERS MAY BE TREATED BY REMOVAL FROM EXPOSURE,DAILY CLE

ANSING & DEBRIDEMENT, & ANTIBIOTIC CREAM.

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

HCC:D3

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 Decompos

ition 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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