

VAN WATERS AND ROGERS -- HYDROCHLORIC ACID -- 6810-01-340-5178

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

Product ID:HYDROCHLORIC ACID

MSDS Date:06/05/1989

FSC:6810

NIIN:01-340-5178

MSDS Number: BMQQW

=== 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 714-864-2310

CAGE:0AN91

=== Contractor Identification ===

Co

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

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III) *

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 27.

9-35%
OSHA PEL:C 5 PPM *
ACGIH TLV:C 5 PPM; 9192 *
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL, RABBIT) 900 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:ACUTE-EXTREMELY CORROSIVE.EYE:MAY

CAUSE INJURY & BLINDNESS.SKIN:WILL SEVERELY BURNS.INHALE:IRRITATES
NOSE,THROAT & MUCOUS MEMBRANES.COUGHING,CHEST PAIN & DIFFICULTY IN
BREATHING MAY OCCUR. HIGH CONCENTRATION MAY CAUSE DEATH.ORAL:BURNS
TISSUE.CAUSES VOMITING, ABDOMINAL PAIN,NAUSEA &
COLLAPSE.CHRONIC-LUNG & SKIN DISEASES

Effects of Overexposure:EXTREMELY CORROSIVE. MAY CAUSE EYE INJURY &
BLINDNESS. WILL SEVERELY BURNS SKIN. INHALATION IRRITATES NOSE,
THROAT & MUCOUS MEMBRANES. COUGHING, CHEST PAIN & DIFFICULTY IN

BREATHING MAY OCCUR. HIGH CONCENTRATION MAY CAUSE DEATH. ORALLY
BURNS TISSUE. CAUSES VOMITING, ABDOMINAL PAIN, NAUSEA & COLLAPSE.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY.EYE/SKIN: IMMEDIATELY FLUSH
WITH WATER FOR
AT LEAST 15 MINUTES.HOLD EYELIDS OPEN.
INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO
NOT INDUCE VOMITING.IF CONSCIOUS,DRINK 1-2 GLASSES OF WATER.CALL A
PHYSICIAN IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY
MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS
AWAY.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING A

ND NIOSH-

APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE
OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:EXTINGUISH ALL NEARBY SOURCES OF IGNITION
SINCE FLAMMABLE HYDROGEN GAS WILL BE LIBERATED FROM CONTACT WITH
SOME METALS.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE
AREA. DO NOT RELEASE INTO SOIL, SEWER, STREAM. STOP LEAK IF
POSSIBLE. NEU
TRALIZE WITH SODA ASH OR LIME. WITH CLEAN SHOVEL,
PLACE MATERIAL INTO CLEAN CONTAIN ER FOR DISPOSAL. FLUSH SPILL AREA
WITH WATER.

Neutralizing Agent:SODA-ASH

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,WELL VENTILATED
AREA AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:KEEP CONTAINER TIGHTLY CLOSED.DO NOT USE PRESSURE TO
EMPTY CONTAINER.WASH THOROUGHLY AFTER HANDLING.DO NOT GET IN
EYES,ON SK

IN OR ON CLOTHING. DO NOT BREATHE MISTS OR VAPORS. DO NOT
CUT, GRIND, WELD O R DRILL ON OR NEAR THIS CONTAINER.

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

Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OPERATED IN POSITIVE PRESSURE MODE OR SUPPLIED-AIR
RESPIRATOR WITH FULL FACEPIECE AND OPERATED IN PRESSURE-DEMAND OR
OTHER POSITIVE PRESSURE MODE .

Ventilation:LOCAL EXHAUST & MECHANICAL (GENERAL) FUME HOOD VENTILATION.
Prot

ective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:150F,66C

Vapor Pres:30 @ 77F

Spec Gravity:1.16

Solubility in

Water:COMPLETE

Appearance and Odor:COLORLESS TO PALE YELLOW LIQUID WITH A PUNGENT,
IRRITATING ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALIES, OXIDIZERS, REDUCING AGENTS, CYANIDES, SULFIDES, COMBUSTIBLE
MATERIALS, FORMALDEHYDE, AMINES, METAL OXIDES

Stability Condition to Avoid:EXCESSIVE HEAT, FLAME

Hazardous Decomposition Products:HYDROGEN CHLORIDE FUMES.

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Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. EMPTY CONTAINERS CAN HAVE RESIDUES, GASES
AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

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