

VAN WATERS AND ROGERS -- SODIUM HYPOCHLORITE -- 6810-00-169-5163

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

Product ID:SODIUM HYPOCHLORITE

MSDS Date:12/01/1991

FSC:6810

NIIN:00-169-5163

MSDS Number: BDFGX

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS

Address:1600 NORTON

City:SEATTLE

State:WA

ZIP:98104

Country:US

Info Phone Num:408-435-8700

Emergency Phone Num:800-424-9300

CAGE:0AN91

=== Co

ntractor 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

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

Ingred Name:SODIUM HYPOCHLORITE (SARA III)

CAS:7681-52-9

RTECS #:NH3486300

Fraction

by Wt: 7-16%
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 5-13%

Ingred Name:SODIUM HYDROXIDE (SARA III)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: .05-0.9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

=====
n =====

LD50 LC50 Mixture:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALE FUMES/MISTS CAUSES RESPIRATORY & MUCOUS MEMBRANE IRRITATION. IF PRODUCT IS MIXED WITH AMMONIA OR OTHER CHEMICALS, EVOLUTION OF CHLORINE HYPOCHLORUS ACID RESULTS. THESE GASES CAN PRODUCE PULMONARY EDEMA. CHRONIC: PROLONGED CONTACT MAY PRODUCE DERM

ATITIS AND/OR SENSITIZATION.

Explanation of Carcinogenicity:SUPPLIER DID NOT INCLUDE THIS FIELD OR LEFT IT BLANK.

Effects of Overexposure:EYE CONTACT:SEVERE IRRITATION.

SKIN:IRRITATION, REDNESS,INFLAMATION. INGESTED:CORROSIVE TO MOUTH,THROAT,MUCOUS MEMBRANES,AND STOMACH. SEVERE BURNS,NAUSEA,VOMITING,CIRCULATORY COLLAPSE,CONFUSION,COMA,COLLAPSE. INGESTION OF LARGE QUANTITIES CAN CAUSE DEATH. EFFECTS OF IRRITATION INCREASE WITH STRENGTH OF SOLUTION.

Medical Cond Aggrava

ted by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. DOCTOR TO ORDER VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NON-FLAMMABLE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.
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.

U
Unusual Fire/Explosion Hazard:CONTAINERS CAN EXPLODE UNDER FIRE CONDITIONS. OXYGEN MAY BE LIBERATED UPON CONTACT W/CERTAIN METALS. TOXIC FUMES ARE LIBERATED BY ACIDS OR HEAT.

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

Spill Release Procedures:WEAR FULL PROTECTIVE EQUIPMENT. SMALL SPILL: MOP OR WIPE UP AND PLACE IN DOT WASTE CONTAINERS. LARGE SPILLS: CONTAIN BY DIKING WITH INERT MATERIAL AND CAREFULLY NEUTRALIZE. KEEP NON-NEUTRALIZED MATERIAL OUT OF SEWERS, STORM DRAINS, SURFACEWATERS, .
Neutralizing Agent:DILUTE HYDROCHLORIC ACID.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. STORE @ TEMPERATURES BELOW 85F. DO NOT STORE ON OR NEAR WOOD OF ANY KIND.
Other Precautions:DO NOT MIX THIS PRODUCT WITH OTHER CLEANING AGENTS. THAT MAY LIBERATE GAS VAPORS. IT IS A VIOLATION OF FEDERAL LAW TO USE T

HIS PRODUCT IN A MANNER INCONSISTANT WITH ITS LABELING.

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

Respiratory Protection:WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, IMPERVIOUS CLOTHING, LONG SLEEVED SHIRT, TROUSERS, RUBBER APRON.

Work

Hygienic Practices:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Supplemental Safety and Health

HIGHLY EXOTHERMIC REACTIONS WITH ORGANIC MATERIAL AND OXIDIZABLE MATERIALS MAY CAUSE FIRE.

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

HCC:B1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:10F,-12C

Vapor Pres:100F

Vapor Density:0.9

Spec Gravity:1.1-1.3

Evaporation Rate & Reference:AS WATER

Solubility in Water:100%

Appearance and Odor:LIGHT YELLOW TO GREEN CLEAR LIQUID;CHLORINE ODOR

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

Stability Indicator/Materials to Avoid:YES

ETHER,AMMONIA ACIDS,REDUCING AGENTS,OXIDIZERS,WOOD, ORGANIC MATERIALS,HEAVY METALS AS CU,FE,MG,AL,SN.

Stability Condition to Avoid:EXCESSIVE HEAT, EXPOSURE TO LIGHT, EXCESS ALKALINITY AND CONTAMINATION OF ANY KIND.

Hazardous Decomposition Products:CHLORINE GAS

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

Waste Disposal Methods

:THIS PRODUCT IS TOXIC TO AQUATIC LIFE. CONTACT
ETHE DISTRICT DIRECTOR OF THE EPA FOR PROPER DISPOSAL INFORMATION.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.