

VAN WATERS AND ROGERS -- SODIUM HYPOCHLORITE 7-15% -- 6810-00-169-5163

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

Product ID:SODIUM HYPOCHLORITE 7-15%

MSDS Date:11/09/1994

FSC:6810

NIIN:00-169-5163

MSDS Number: BXVNW

=== 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

=== Contractor Identification ===

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: 7-15%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:SODIUM CHLORIDE

CAS:7647-14-5

RTECS #:VZ4725000

Fraction by Wt: 5-11%

Ingred Nam

e:SODIUM HYDROXIDE (SARA III)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: .5-2.5%  
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: 73-87%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3-5 G/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION-IRRITATING TO THE NOSE, MOUTH, THROAT & LUNGS. EYE-SEVERE IRRITATION, IMPAIRED VISION & CORNEAL DAMAGE. SKIN-SEVERE IRRITATION, DESTRUCTION OF THE DERMIS WITH IMPAIRMENT OF THE SKIN. INGESTION-IRRITATION CAN OCCUR TO THE ENTIRE GASTROINTESTINAL TRACT, INCLUDING THE STOMACH AND INTESTINES.  
Explanation of Carcinogenicity:THIS PRODUCT HAS BEEN SHOWN NOT TO BE CARCINOGENIC. IT IS NOT INCLUDED AS A CARCINOGEN BY IARC, NTP, OSHA OR EPA.  
Effects of Overexposure:INHALATION-BURNS TO THE RESPIRATORY TRACT, SHORTNESS OF BREATH, WHEEZING, CHOKING, CHEST PAIN AND IMPAIRED LUNG FUNCTION. EYE-SEVERE BURNS. SKIN-SEVERE BURNS, REDNESS, SWELLING & SCAB FORMATION. INGESTION-NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING AND/OR TISSUE ULCERATION.  
Medical Cond Aggravated by Exposure:ASTHMA AND RESPIRATORY AND CARDIOVASCULAR DISEASE.

===== First Aid Meas

ures =====

First Aid:EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MIN. CALL PHYSICIAN.  
SKIN-IMMEDIATELY FLUSH WITH WATER FOR 15 MIN. CALL PHYSICIAN.  
REMOVE SOILED CLOTHING. INGESTION-IMMEDIATELY DRINK LARGE AMOUNTS  
OF WATER. DO NOT INDUCE VOMITING. CALL PHYSICIAN.DO NOT GIVE  
ANYTHING IF PERSON IS UNCONSCIOUS/HAVEING CONVULSIONS.  
INHALATION-STOP WORK & MOVE TO FRESH AIR. IF BREATHING IS HARD,  
GIVE OXYGEN. CALL PHYSICIAN.

===== Fire Fighti  
ng Measures =====

Autoignition Temp:Autoignition Temp Text:NONE  
Fire Fighting Procedures:USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.  
ON SMALL FIRE, USE DRY CHEMICAL, CARBON DIOXIDE OR WATER SPRAY. ON  
LARGE FIRES, USE WATER IN FLOODING AMOUNTS FOG.  
Unusual Fire/Explosion Hazard:IN CASE OF FIRE, HAZARDOUS CONCENTRATIONS  
OF CHLORINE MAY BE FORMED.

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

Spill Release Procedures:COMPATIBLE ABSORBENTS: SAN  
D, CLAY, COMMERCIAL  
ABSORBENT. RESPONSE TO THIS MATERIAL REUIRES THE USE OF  
SELF-CONTAINED BREATHING APPARATUS. ADDITIONAL PROTECTIVE CLOTHING  
MUST BE WORN TO PREVENT PERSONA L CONTACT WITH THIS MATERIAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY WELL-VENTILATED  
AREA. AVOID HIGH TEMPERATURES & EXPOSURE TO & DIRECT SUNLIGHT. DO  
NOT STORE AT TEMPE  
RATURES ABOVE: 15-21 DEG. F.  
Other Precautions:STORE IN THE DARK AT THE LOWEST POSSIBLE TEMPERATURE,  
BUT KEEP FROM FREEZING. DO NOT TAKE INTERNALLY. AVOID CONTACT WITH  
SKIN OR EYES, UPON CONTACT WITH SKIN OR EYES, WASH OFF. WITH WATER.

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

Respiratory Protection:RESPIRATORY PROTECTION NOT NORMALLY NEEDED SINCE  
THE VOLATILITY AND TOXICITY ARE LOW. IF VAPORS., MISTS, OR AEROSOLS  
ARE GENERATED, WEAR A NIOSH/MSHA APPRO

VED RESPIRATOR.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED IF VAPORS, MISTS OR AEROSOLS ARE GENERATED. OTHERWISE, USE GENERAL EXHAUST VENT

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protection:CHEMICAL GOGGLESUSE CHEMICAL SAFETY GOG

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

OTHER: DECOMPOSITION WILL RESULT FR  
OM CONTACT WITH IRON OR COPPER.

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

HCC:B1

Boiling Pt:B.P. Text:DECOMPOSES

Decomp Temp:Decomp Text:AS HEATED

Spec Gravity:1.08-1.26

pH:>11

Evaporation Rate & Reference:NO DATA

Solubility in Water:MISCIBLE

Appearance and Odor:GREENISH-YELLOW LIQUID. CHLORINE-LIKE ODOR.

Percent Volatiles by Volume:87-94

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

Stability Indicator/Materials to Avoid:YES

IRON, COPPER,

ACIDS, AMMONIUM COMPOUNDS, ORGANICS, OTHER OXIDIZERS.

Stability Condition to Avoid:HIGH HEAT, SUNLIGHT AND ULTRAVIOLET LIGHT.

Hazardous Decomposition Products:CHLORINE GAS

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

Waste Disposal Methods:AS A NONHAZARDOUS LIUID WASTE, IT SHOULD BE  
DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS  
BY TREATMENT IN A WASTEWATER TREATMENT SYSTEM. CARE MUST BE TAKEN  
TO PREVENT ENVIRONMETA L CONTAMINATION FROM  
THE USE OF THIS  
MATERIAL.

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 informati

on to their  
particular situation.