

CHEMICAL COMMODITIES AGENCY, INC. -- SODIUM HYPOCHLORITE SOLUTION O-S-602E GR B --
6810-00-169-5163

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

Product ID:SODIUM HYPOCHLORITE SOLUTION O-S-602E GR B

MSDS Date:05/16/1989

FSC:6810

NIIN:00-169-5163

MSDS Number: BDFGS

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

City:HIGHLAND

State:CA

ZIP:92346-2640

Co

untry:US

Info Phone Num:714-864-2310

Emergency Phone Num:714-864-2310

CAGE:60777

=== 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

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

Ingred Name:SODIUM HYPOCHLORITE (SARA III)

CAS:7681-52-9

RTECS #:NH3486300

Fraction by Wt: 12.5%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:SODI

UM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 13.5%

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 74.0%

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1300 MG/KG(5% SOLN)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES, SKIN,
RESPIRATORY OR G.I. TRACT; BURNS OF EYES. CHRONIC: DERM
ATITIS AND
SENSITIZATION OF SKIN AND MUCOUS MEMBRANES.

Explanation of Carcinogenicity:DATA PER MGF MSDS.
Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF
BREATH, CHEST PAIN. EYES: REDNESS, TEARING, PAIN, BURNS. SKIN:
REDNESS, RASH. INGESTION: STOMACH PAIN, SORENESS OF MOUTH AND
THROAT, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY
CONDITIONS MAY BE WORSEN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE OR GIVE OXYGEN
IF NEEDED. SEE DOCTOR. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE
DOCTOR. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED
CLOTHING. INGESTED: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LOTS
OF WATER OR MILK OR MILK OF MAGNESIA. SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
E

xtinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.
Unusual Fire/Explosion Hazard:RELEASES OXYGEN ON BEING HEATED.
CONTAINERS MAY EXPLODE ON BEING HEATED. TOXIC FUMES MAY BE PRODUCED
ON BEING EXPOSED TO HIGH TEMPERATURES.

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

Spill Release Procedures:FLUSH WITH PLENTY WATER. ABSORB IF POSSIBLE
WITH INERT MATERIALS SUCH AS PARTICULATE CLAY OR DIATOMACEOUS
EARTH. DO NOT BRING ABSORB MATERIAL INTO CONTACT WITH OXIDIZABLE
SUBSTANCES. PLACE REFUSE IN CONTAINER FOR DISPOSAL. APPLY
NEUTRALIZER.
Neutralizing Agent:SOLUTION OF 1% IODINE; 5% POTASSIUM IODIDE AND
WATER. THEN 5% SODIUM THIOSULFATE

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

Handling and Storage Precautions:DO NOT CONTAMINATE WITH OXIDIZABLE
MATERIAL. STORE IN COOL DRY PLACE OUT OF DIRECT SUNLIGHT.
Other Precautions:KEEP FROM CHILDREN. HARMFUL IF SWALLOWED. SKIN & EYE
CONTACT CAUSES SEVERE IRRITATION.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED
RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED
AREA.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION.
Protective Gloves:RUBBER; PVC
Eye Protection:SAFETY GLASSES/GOGGLES
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CLOTHING
TO PREVENT PROLONGED OR REPEATED CONTACT; INCLUDES BOOTS.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CLOTHING BEFORE REUSE.
Supplemental Safety and Health
UPDATE PER OSHA HCS MSDS DTD:10/22/86. REACTIVITY WARNING: MIXING
W/AMMONIA YIELDS TOXIC & FLAMMABLE GASES.

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

HCC:B1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:DE

COMPOSES

Melt/Freeze Pt:=-12.2C, 10.F

Vapor Pres:100

Spec Gravity:1.26

Evaporation Rate & Reference:0.36 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID WITH LIGHT YELLOW TO GREEN COLOR; CHLORINE ODOR.

Percent Volatiles by Volume:80

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

Stability Indicator/Materials to Avoid:YES

AVOID MIXING WITH ACIDS, AMMONIA COMPOUNDS, TOILET CLEANERS. AVOID CONTACT WITH METALS.

Stability Condition to Avo

id:AVOID SUNLIGHT AND TEMP OVER

90F.DECOMPOSES, RELEASES OXYGEN

Hazardous Decomposition Products:CHLORINE AND OXIDES OF SODIUM

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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