

CLOROX CO

-- CLOROX BLEACH - FOR INSTITUTIONAL USE

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MSDS Safety Information
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FSC: 6810
NIIN: 01-457-0255
MSDS Date: 11/01/1992
MSDS Num: CJQNN
Product ID: CLOROX BLEACH - FOR INSTITUTIONAL USE
MFN: 01
Responsible Party
Cage: 93098
Name: CLOROX CO
Address: 1221 BROADWAY
Box: 24305
City: OAKLAND CA 94612
Info Phone Number: 510-271-7000
Emergency Phone Number: 800-446-1014; 800-424-9300
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 93098
Name: CLOROX CO THE HEADQUARTERS
Address: 1221 BROADWAY
Box: 24305
City: OAKLAND CA 94612-1305
Phone: 510-271-7000

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Item Description Information
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Item Name: SODIUM HYPOCHLORITE SOLUTION
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Ingredients
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Cas: 7681-52-9
RTECS #: NH3486300
Name: SODIUM HYPOCHLORITE
Percent by Wt: 5.25
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. MAY IRRITATE SKIN. MAY CAUSE NAUSEA AND VOMITING IF INGESTED. EXPOSURE TO VAPOR OR MIST MAY IRRITATE NOSE, THROAT AND LUNGS. UNDER NORMAL CONSUMER USE CONDITIONS THE LIKELIHOOD OF ANY ADVERSE HEALTH EFFECTS ARE LOW. NONE OF THE INGREDIENTS IN THIS PRODUCT ARE ON THE IARC, NTP OR OSHA CARCINOGEN LIST. OCCASIONAL CLINICAL REPORTS SUGGEST A LOW POTENTIAL FOR SENSITIZATION UPON EXAGGERATED EXPOSURE TO SODIUM HYPOCHLORITE IF SKIN DAMAGE(EG IRRITATION) OCCURS DURING EXPOSURE. ROUTINE CLINICAL TESTS CONDUCTED ON INTACT SKIN WITH CHLOROX LIQUID BLEACH FOUND NO SENSITIZATION IN THE TEST SUBJECTS.

Signs And Symptoms Of Overexposure: SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure: FOLLOWING MED CNDTNS MAY BE AGGRAVATED BY EXPOS TO HIGH CONCS OF VAPOR OR MIST: HEART CNDTNS OR CHRONIC RESP PROBS SUCH AS ASTHMA, CHRONIC BRONCHITIS OR OBSTRUCTIVE LUNG DISEASE.

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEE A DOCTOR. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH WATER. INGESTION: DRINK A GLASSFUL OF WATER AND CALL A PHYSICIAN. INHALATION: IF BREATHING PROBLEMS DEVELOP REMOVE TO FRESH AIR.

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Handling and Disposal
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Spill Release Procedures: SMALL SPILLS (<5 GALLONS): 1)ABSORB, CONTAINERIZE, AND LANDFILL I/A/W LOCAL REGULATIONS. 2)WASH DOWN RESIDUAL TO SANITARY SEWER. LARGE SPILLS (>5 GALLONS): 1)ABSORB, CONTAINERIZE AND LANDFILL I/A/W LOCAL REGULATIONS; WASH DOWN RESIDUAL TO SANITARY SEWER - OR (2) PUMP MATERIAL TO WASTE DRUM(S) AND DISPOSE OF I/A/W LOCAL REGULATIONS; WASH DOWN RESIDUAL TO SANITARY SEWER.

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N).

Handling And Storage Precautions: KEEP OUT OF THE REACH OF CHILDREN.

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Fire and Explosion Hazard Information
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Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). IN A FIRE, COOL CONTAINERS TO PREVENT RUPTURE AND RELEASE OF SODIUM CHLORATE.

Unusual Fire/Explosion Hazard: NOT FLAMMABLE OR EXPLOSIVE.

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Control Measures
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Respiratory Protection: USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO VAPOR OR MIST.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N).

Work Hygienic Practices: AVOID EYE AND SKIN CONTACT AND INHALATION OF VAPOR OR MIST.

Supplemental Safety and Health: MATLS TO AVOID: WITH METAL MAY CAUSE PITTING OR DISCOLORATION.

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Physical/Chemical Properties

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Boiling Point: =100.C, 212.F
B.P. Text: DECOMPOSES
Decomp Temp: =100.C, 212.F
Spec Gravity: 1.085 (H*20=1)
PH: 11.4
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR, LIGHT YELLOW LIQUID WITH CHLORINE ODOR.

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Reactivity Data
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Stability Indicator: YES PROLONGED CONTACT (SUPDAT)
Stability Condition To Avoid: STABLE UNDER NORMAL USE AND STORAGE CONDITIONS.
Materials To Avoid: STRONG OXIDIZING AGENT. REACTS W/OTHER HOUSEHOLD CHEMICALS
SUCH AS TOILET BOWL CLEANERS, RUST REMOVERS, VINEGAR, ACIDS OR AMMONIA
CONTAINING PRODUCTS TO PRODUCE HAZARDOUS GASES SUCH AS CHLORINE AND OTHER
CHLORINATED SPECIES.
Hazardous Polymerization Indicator: NO

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MSDS Transport Information
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Transport Information: US DOT HAZARD CLASS: NOT RESTRICTED. US DOT PROPER
SHIPPING NAME: HYPOCHLORITE SOLUTION WITH NOT MORE THAN 7% AVAILABLE
CHLORINE. NOT RESTRICTED PER 49 CFR 172.101(C)(12)(IV).

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Regulatory Information
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Sara Title III Information: EPA CERCLA/SARA TITLE III SUPERFUND AMENDMENT AND
REAUTHORIZATION ACT: CERCLA/304 - SODIUM HYPOCHLORITE RQ: 100 LBS. SODIUM
HYDROXIDE: RQ 1000 LBS, 311/312: YES.

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Other Information
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Other Information:: HEALTH 1, FLAMMABILITY 0, REACTIVITY 0. OTHER DESIGNATIONS:
EPA REG NO 5813-1, SODIUM HYPOCHLORITE SOLUTION, LIQUID CHLORINE BLEACH,
CLOROX LIQUID BLEACH, CLOROX GERMICIDAL BLEACH.

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Transportation Information
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Responsible Party Cage: 93098
Trans ID NO: 150538
Product ID: CLOROX BLEACH - FOR INSTITUTIONAL USE
MSDS Prepared Date: 11/01/1992
Review Date: 12/06/1999
MFN: 1
Multiple KIT Number: 0

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: CLOROX BLEACH - FOR INSTITUTIONAL USE
Cage: 93098
Company Name: CLOROX CO THE HEADQUARTERS
Street: 1221 BROADWAY
PO Box: 24305
City: OAKLAND CA
Zipcode: 94612-1305
Health Emergency Phone: 800-446-1014; 800-424-9300
Label Required IND: Y
Date Of Label Review: 09/07/1999
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: ACUTE: CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. MAY IRRIT SKIN. MAY CAUSE NAUS AND VOMIT IF INGESTED. EXPOSURE TO VAPOR OR MIST MAY IRRITATE NOSE, THROAT AND LUNGS. UNDER NORMAL CONSUMER USE CONDIT IONS THE LIKELIHOOD OF ANY ADVERSE HEALTH EFFECTS ARE LOW. CHRONIC: NONE OF THE INGREDIENTS IN THIS PRODUCT ARE ON THE IARC, NTP OR OSHA CARCINOGEN LIST. OCCASIONAL CLINICAL REPORTS SUGGEST A LOW POT ENTIAL FOR SENSITIZATION UPON EXAGGERATED EXPOSURE TO SODIUM HYPOCHLORITE IF SKIN DAMAGE(EG IRRITATION) OCCURS DURING EXPOSURE. ROUTINE CLINICAL TESTS CONDUCTED ON INTACT SKIN WITH CHLOROX LIQUID BLEA CH FOUND NO SENSITIZATION IN THE TEST SUBJECTS.

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