

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

 MATERIAL SAFETY DATA SHEET - B2821

Associated Grainger Items
 1VN32

CLOROX

THE CLOROX COMPANY
 1221 BROADWAY
 OAKLAND, CA 94612

TEL.: (510) 271-7000

MATERIAL SAFETY DATA SHEET

I

PRODUCT: CLOROX REGULAR-BLEACH

DESCRIPTION: CLEAR, LIGHT YELLOW LIQUID WITH A CHARACTERISTIC CHLORINE ODOR

OTHER DESIGNATIONS:
 CLOROX BLEACH
 EPA REG. NO. 5813-50

DISTRIBUTOR:
 THE CLOROX COMPANY
 1221 BROADWAY
 OAKLAND, CA 94612

TELEPHONE NOS.:
 (510) 271-7000
 EMERGENCY CALL: (800) 446-1014
 TRANSPORTATION EMERGENCIES CHEMTREC: (800) 424-9300

II HEALTH HAZARD DATA

DANGER:
 CORROSIVE. MAY CAUSE SEVERE IRRITATION OR DAMAGE TO EYES AND SKIN. VAPOR OR MIST MAY IRRITATE. HARMFUL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN.

SOME CLINICAL REPORTS SUGGEST A LOW POTENTIAL FOR SENSITIZATION UPON EXAGGERATED EXPOSURE TO SODIUM HYPOCHLORITE IF SKIN DAMAGE (E.G., IRRITATION) OCCURS DURING EXPOSURE. UNDER NORMAL CONSUMER USE CONDITIONS THE LIKELIHOOD OF ANY ADVERSE HEALTH EFFECTS ARE LOW.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO HIGH CONCENTRATIONS OF VAPOR OR MIST:
 HEART CONDITIONS OR CHRONIC RESPIRATORY PROBLEMS SUCH AS ASTHMA, EMPHYSEMA, CHRONIC BRONCHITIS OR OBSTRUCTIVE LUNG DISEASE.

FIRST AID:

EYE CONTACT:
 HOLD EYE OPEN AND RINSE WITH WATER FOR 15-20 MINUTES. REMOVE CONTACT LENSES, AFTER FIRST 5 MINUTES. CONTINUE RINSING EYE. CALL A PHYSICIAN.

SKIN CONTACT:
 WASH SKIN WITH WATER FOR 15-20 MINUTES. IF IRRITATION DEVELOPS, CALL A PHYSICIAN.

INGESTION:
 DO NOT INDUCE VOMITING. DRINK A GLASSFUL OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS AFFECTED, CALL A PHYSICIAN.

III HAZARDOUS INGREDIENTS

INGREDIENT	CONCENTRATION	EXPOSURE LIMIT
SODIUM HYPOCHLORITE EPA# : 7681-52-9	6.15%	NOT ESTABLISHED

SODIUM HYDROXIDE EPA# : 1310-73-2	<1%	2 MG/M3; (1) 2 MG/M3; (2)
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(1) ACGIH THRESHOLD LIMIT VALUE (TLV) - CEILING
 (2) OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) - TIME WEIGHTED AVERAGE (TWA)

NONE OF THE INGREDIENTS IN THIS PRODUCT ARE ON THE IARC, NTP OR OSHA CARCINOGEN LISTS.

IV SPECIAL PROTECTION AND PRECAUTIONS

NO SPECIAL PROTECTION OR PRECAUTIONS HAVE BEEN IDENTIFIED FOR USING THIS PRODUCT UNDER DIRECTED CONSUMER USE CONDITIONS. THE FOLLOWING RECOMMENDATIONS ARE GIVEN FOR PRODUCTION FACILITIES AND FOR OTHER CONDITIONS AND SITUATIONS WHERE THERE IS INCREASED POTENTIAL FOR ACCIDENTAL, LARGE-SCALE OR PROLONGED EXPOSURE.

HYGIENIC PRACTICES:
 AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH HANDS AFTER DIRECT CONTACT. DO NOT WEAR PRODUCT-CONTAMINATED CLOTHING FOR PROLONGED PERIODS.

ENGINEERING CONTROLS:
 USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO VAPOR OR MIST.

PERSONAL PROTECTIVE EQUIPMENT:
 WEAR SAFETY GLASSES. USE RUBBER OR NITRILE GLOVES IF IN CONTACT LIQUID, ESPECIALLY FOR PROLONGED PERIODS.

KEEP OUT OF REACH OF CHILDREN

V TRANSPORTATION AND REGULATORY DATA

DOT/IMDG/IATA: NOT RESTRICTED.

EPA - SARA TITLE III/CERCLA:

BOTTLED PRODUCT IS NOT REPORTABLE UNDER SECTIONS 311/312 AND CONTAINS NO CHEMICALS REPORTABLE UNDER SECTION 313. THIS PRODUCT DOES CONTAIN CHEMICALS (SODIUM HYDROXIDE <0.2% AND SODIUM HYPOCHLORITE <7.35%) THAT ARE REGULATED UNDER SECTION 304/CERCLA.

TSCA/DSL STATUS:

ALL COMPONENTS OF THIS PRODUCT ARE ON THE U.S. TSCA INVENTORY AND CANADIAN DSL.

VI SPILL PROCEDURES/WASTE DISPOSAL

SPILL PROCEDURES:

CONTROL SPILL. CONTAINERIZE LIQUID AND USE ABSORBENTS ON RESIDUAL LIQUID; DISPOSE APPROPRIATELY. WASH AREA AND LET DRY. FOR SPILLS OF MULTIPLE PRODUCTS, RESPONDERS SHOULD EVALUATE THE MSDS'S OF THE PRODUCTS FOR INCOMPATIBILITY WITH SODIUM HYPOCHLORITE. BREATHING PROTECTION SHOULD BE WORN IN ENCLOSED, AND/OR POORLY VENTILATED AREAS UNTIL HAZARD ASSESSMENT IS COMPLETE.

WASTE DISPOSAL:

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

VII REACTIVITY DATA

STABLE UNDER NORMAL USE AND STORAGE CONDITIONS. STRONG OXIDIZING AGENT. REACTS WITH 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. PROLONGED CONTACT WITH METAL MAY CAUSE PITTING OR DISCOLORATION.

VIII FIRE AND EXPLOSION DATA

FLASH POINT: NONE

SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE/EXPLOSION HAZARDS:
 NONE. NOT FLAMMABLE OR EXPLOSIVE. PRODUCT DOES NOT IGNITE WHEN EXPOSED TO OPEN FLAME.

IX PHYSICAL DATA

BOILING POINT: APPROX. 212 DEG. F/100 DEG. C

SPECIFIC GRAVITY (H2O=1): APPROX. 1.1 AT 70 DEG. F

SOLUBILITY IN WATER: COMPLETE

pH: APPROX. 11.4

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

DATE PREPARED: 05/09