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THE CLOROX -- CLOROX 2 - BLEACH, LAUNDRY

MATERIAL SAFETY DATA SHEET

THE CLOROX

AS OF January 1999

NSN: 6850010141324

Manufacturer's CAGE: 93098

Part No. Indicator: B

Part Number/Trade Name: CLOROX 2

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General Information

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Item Name: BLEACH, LAUNDRY
Company's Name: THE CLOROX CO
Company's Street: 7200 JOHNSON DR
Company's City: PLEASANTON
Company's State: CA
Company's Country: US
Company's Zip Code: 94566
Company's Emerg Ph #: 303-573-1014
Company's Info Ph #: 415-847-6100
Record No. For Safety Entry: 006
Tot Safety Entries This Stk#: 007
Status: SMJ
Date MSDS Prepared: 01MAY90
Safety Data Review Date: 21FEB95
MSDS Serial Number: BWRCG
Hazard Characteristic Code: NK

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: PERBORIC ACID, SODIUM SALT, TETRAHYDRATE; (SODIUM PERBORATE
Ingredient Sequence Number: 01
Percent: 5-25
NIOSH (RTECS) Number: SC7350000
CAS Number: 10486-00-7
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: BACILLUS SUBTILIS BPN; (SUBTILISINS - PROTEOLYTIC) CONTAINING
INGS 3 & 4
Ingredient Sequence Number: 02
Percent: 0.5-2
NIOSH (RTECS) Number: CO9450000
CAS Number: 1395-21-7
OSHA PEL: C 0.00006 MG/M3
ACGIH TLV: C 0.00006 MG/M3

Proprietary: NO
Ingredient: ESPERASE (MFR INVALID CAS # 9072-77-2)
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: 1012378EE
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: BACILLUS SUBTILIS CARLSBERG; (SAVINASE)
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: CO9550000
CAS Number: 9014-01-1
OSHA PEL: C, 0.00006 MG/M3
ACGIH TLV: C 0.00006 MG/M3

Proprietary: NO

Ingredient: AMYLASE ENZYME; (AMYLASE)
Ingredient Sequence Number: 05
Percent: <0.5
NIOSH (RTECS) Number: 1010333AE
CAS Number: 9000-90-2
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

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Physical/Chemical Characteristics
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Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
Vapor Density (Air=1): 1.00
Evaporation Rate And Ref: NOT KNOWN
Solubility In Water: NOT KNOWN
pH: SUPDAT

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Fire and Explosion Hazard Data
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Extinguishing Media: MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: NOT FLAMMABLE OR EXPLOSIVE.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: REACTS WITH ACIDS TO FORM HEAT AND GASES.
Hazardous Decomp Products: NONE SPECIFIED BY MANUFACTURER.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: MODERATE EYE IRRITANT. HARMFUL IF SWALLOWED.
INHALATION OF LARGE QUANTITIES OF DUST MAY CAUSE SENSITIZATION.
SENSITIZATION SYMPTOMS MAY RANGE FROM HAY FEVER TO ASTHMA.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT.
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE.
Emergency/First Aid Proc: SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD (FP N). EYE:FLUSH WITH WATER FOR @ LEAST 15 MINUTES. INGEST:DRINK GLASSFUL OF WATER & CALL PHYS. INHAL:REMOVE TO FRESH AIR IF BREATHING PROBLEMS DEVELOP. IF BREATHING PROBLEMS PERSIST, SEEK PROMPT MEDICAL ATTENTION.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: RINSE WITH WATER. FLUSH SM QTYS (LESS THAN 2 LBS) DOWN DRAIN W/PLENTY OF WATER. FOR LARGER QTYS DISPOSE OF I/A/W LOCAL, STATE AND FEDERAL REGULATIONS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N).
Precautions-Handling/Storing: KEEP OUT OF REACH OF CHILDREN. AVOID MAKING DUST. STORE IN COOL, DRY AREA. KEEP AWAY FROM HEAT & ACIDS WHEN STORED IN LARGE QUANTITIES.
Other Precautions: AVOID SKIN AND EYE CONTACT AND INHALATION OF DUST.

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Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).
Ventilation: USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO DUST.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: ANSI APPRVD SAFETY GLASSES (FP N).
Other Protective Equipment: ANSI APPRVD EMER EYE BATH & DELUGE SHOWER (FP N).
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: PH:11.1 (1% SOLN).

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 21FEB95
Label Date: 23FEB95
Label Status: G
Common Name: CLOROX 2
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE:MODERATE EYE IRRITANT. HARMFUL IF SWALLOWED. INHALATION OF LARGE QUANTITIES OF DUST MAY CAUSE SENSITIZATION. SENSITIZATION SYMPTOMS MAY RANGE FROM HAY FEVER TO ASTHMA. CHRONIC:NONE LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: THE CLOROX CO
Label Street: 7200 JOHNSON DR
Label City: PLEASANTON
Label State: CA
Label Zip Code: 94566
Label Country: US
Label Emergency Number: 303-573-1014