

THE CLOROX -- FORMULA 409 ALL PURPOSE CLEANER
MATERIAL SAFETY DATA SHEET
NSN: 793000F030398
Manufacturer's CAGE: 93098
Part No. Indicator: A
Part Number/Trade Name: FORMULA 409 ALL PURPOSE CLEANER

General Information

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: 94588
Company's Emerg Ph #: 415-847-6100
Company's Info Ph #: 415-847-6100
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01JUL93
Safety Data Review Date: 19OCT93
Preparer's Company: THE CLOROX CO
Preparer's St Or P. O. Box: 7200 JOHNSON DR
Preparer's City: PLEASANTON
Preparer's State: CA
Preparer's Zip Code: 94566
MSDS Serial Number: BSKZT
Hazard Characteristic Code: N1

Ingredients/Identity Information

Proprietary: NO
Ingredient: 2-BUTOXYETHANOL (ETHYLENEGLYCOL MONOBUTYL ETHER), BUTYL
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB
Ingredient Sequence Number: 01
Percent: 0.5-5
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM (SKIN)
ACGIH TLV: 25 PPM (SKIN)
Other Recommended Limit: 25 PPM (SKIN)

Proprietary: NO
Ingredient: ETHYLENE OXIDE (SUSPECTED 2A HUMAN CARCINOGEN BY IARC;
CONFIRMED ANIMAL CARINOGEN BY IARC & NTP)
Ingredient Sequence Number: 02

Percent: TRACE
NIOSH (RTECS) Number: KX2450000
CAS Number: 75-21-8
ACGIH TLV: 1.8 MG/CUM (A2)

Proprietary: NO
Ingredient: GLYCOL ETHERS, DIETHYLENE GLYCOL, 2,2-OXYBISETHANOL
Ingredient Sequence Number: 03
Percent: <10
NIOSH (RTECS) Number: ID5950000
CAS Number: 111-46-6

Proprietary: NO
Ingredient: MAGNESIUM SODIUM ETHYLENEDIAMINETETRAACETATE *92-2*
Ingredient Sequence Number: 04
Percent: <1
NIOSH (RTECS) Number: 1007734MS
CAS Number: 14402-88-1

Proprietary: NO
Ingredient: SODIUM HYDROXIDE, CAUSTIC SODA, LYE
Ingredient Sequence Number: 05
Percent: <0.5
NIOSH (RTECS) Number: WB4900000
CAS Number: 1310-73-2
OSHA PEL: 2 MG/CUM
ACGIH TLV: 2 MG/CUM CEILING
Other Recommended Limit: 2MG/M3 CEILING NIOSH

Physical/Chemical Characteristics

Appearance And Odor: GREEN LIQUID
Specific Gravity: 1.015
Solubility In Water: COMPLETE
pH: 12.4

Fire and Explosion Hazard Data

Flash Point: NONFLAMMABLE
Extinguishing Media: DETERMINED BY SURROUNDING FIRE.

Reactivity Data

Stability: YES
Hazardous Poly Occur: NO

Health Hazard Data

Route Of Entry - Inhalation: NO

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: EYES: IRRITATION. SKIN: ABSORBED. EXPOSURE TO ETHYLENE GLYCOL MONOBUTYL ETHER WILL CAUSE BLOOD & BONE MARROW DAMAGE.

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: SEE INGREDIENTS

Emergency/First Aid Proc: EYES: FLUSH W/PLENTY OF WATER. SKIN: WASH W/ WATER. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ABSORB & CONTAINERIZE. WASH RESIDUE DOWN TO SANITARY SEWER. CONTACT THE SANITARY TREATMENT FACILITY IN ADVANCE TO ASSURE ABILITY TO PROCESS WASHED-DOWN MATERIAL.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

Precautions-Handling/Storing: MINIMIZE SKIN CONTACT & INHALATION OF VAPOR & MIST.

Other Precautions: NOT RECOMMENDED FOR USE ON SOFT VINYL, VARNISHED OR ALUMINUM. IF SPRAYED ON THESE SURFACES, RINSE & WIPE DRY IMMEDIATELY.

Control Measures

Ventilation: GENERAL

Protective Gloves: REQUIRED

Eye Protection: SAFETY GLASSES

Transportation Data

Disposal Data

Label Data

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Label Required: YES
Technical Review Date: 19OCT93
Label Date: 19OCT93
Label Status: F
Common Name: FORMULA 409 ALL PURPOSE CLEANER
Chronic Hazard: NO
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: EYES: IRRITATION. SKIN: ABSORBED. EXPOSURE TO ETHYLENE GLYCOL MONOBUTYL ETHER WILL CAUSE BLOOD & BONE MARROW DAMAGE.
TARGET ORGANS: SKIN & EYES. CARCINOGEN: ETHYLENE OXIDE. EYES: CORROSIVE, SEVERE IRRITATION. MAY CAUSE CHEMICAL BURNS W/PERMANENT CORNEAL INJURY &
SENSITIZATION.SKIN: SEVERE IRRITATION, CORROSIVE, CHEMICAL B
Protect Eye: Y
Protect Skin: Y
Label Name: THE CLOROX CO
Label Street: 7200 JOHNSON DR
Label City: PLEASANTON
Label State: CA
Label Zip Code: 94588
Label Country: US
Label Emergency Number: 415-847-6100
Year Procured: UNK