

CLOROX CO -- FORMULA 409 ALL PURPOSE CLEANER -- 7930-00-056-8144

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

Product ID:FORMULA 409 ALL PURPOSE CLEANER

MSDS Date:03/01/1990

FSC:7930

NIIN:00-056-8144

MSDS Number: BYSYL

=== Responsible Party ===

Company Name:CLOROX CO

Address:7200 JOHNSON DR

City:PLEASANTON

State:CA

ZIP:94560

Country:US

Info Phone Num:415-847-6100

Emergency Phone Num:303-573-1014

CAGE:HO904

=== Contractor Identification ===

Company Name:CLOROX CO

Address

:7200 JOHNSON DR

City:PLEASANTON

State:CA

ZIP:94588

Country:US

Phone:415-847-6100

CAGE:HO904

Company Name:CLOROX CO THE HEADQUARTERS

Address:1221 BROADWAY

Box:24305

City:OAKLAND

State:CA

ZIP:94612-1305

Country:US

Phone:510-271-7000

CAGE:93098

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

Ingred Name:ETHANOL, 2-BUTOXY-; (ETHYLENE GLYCOL MONOBUTYL ETHER)

CAS:111-76-2

RTECS #:KJ8575000

Fraction by Wt: 0.5-5%

OSHA PEL:50 PPM, S

ACGIH TLV:25 PPM, S

===== Ha

zards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ANIMAL STUDIES HAVE CLEARLY SHOWN

DOSE-RELATED ADVERSE EFTS ON CNS, HEMATOPOIETIC TISSUES, BLOOD,  
KIDNEYS & LIVER, ASSOC W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER  
(EGBE) (EXTRACTED FROM DHHS (NIOSH) PUB NO 90-118) . MILD EYE  
IRRITANT. OVEREXP TO

PROD MAY CAUSE WORKER EXPOS LIMIT OF ETHYLENE  
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: GLYCOL MONOBUTYL ETHER TO BE

EXCEEDED. REPORTS HAVE ASSOC BLOOD & BONE MARROW DAMAGE W/EXPOSURE  
TO ETHYLENE GLYCOL MONOBUTYL ETHER. SUBSTANCE CAN BE ABSORBED THRU  
THE SKIN & MAY CONTRIBUTE T O OVERALL EXPOSURE. UNDER NORMAL  
CONSUMER USE CONDITIONS THE LIKELIHOOD OF ANY ADVERSE HEALTH  
EFFECTS ARE LOW.

Medical Cond Aggravated by Expo

sure:NO MEDICAL CONDITIONS ARE KNOWN TO

BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INGEST: CALL MD IMMEDIATELY . INHAL: REMOVE TO FRESH AIR.

SUPPORT BREATHING (GIVE OXYGEN/ARTIFICIAL RESPIRATION) . EYES:

FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN: WASH  
WITH WATER.

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

Flash Point:NOT FLAMMABLE

Extinguishing Media:E

XTINGUISHING MEDIA DETERMINED BY SURROUNDING FIRE.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NOT FLAMMABLE OR EXPLOSIVE.

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

Spill Release Procedures:SMALL QUANTITIES OF LESS THAN 5 GALLONS MAY BE  
FLUSHED DOWN THE DRAIN. FOR LARGER QUANTITIES WIPE UP WITH AN  
ABSORBENT MATERIAL OR MOP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NOT RECOMMENDED FOR USE ON SOFT VINYL, VARNISHES OR ALUMINUM. IF SPRAYED ON THESE SURFACES, RINSE AND WIPE DRY IMMEDIATELY.

Other Precautions:MINIMIZE SKIN CONTACT AND INHALATION OF VAPOR OR MIST.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

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

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

Spec Gravity:1.015 (H<sub>2</sub>O=1)

pH:12.4

Solubility in Water:COMPLETE

Appearance and Odor:GREEN LIQUID.

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:STABLE UNDER NORMAL USE AND STORAGE CONDITIONS.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

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

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