

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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

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===== Hazards 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 AD

VERSE HEALTH

EFFECTS ARE LOW.

Medical Cond Aggravated by Exposure:NO MEDICAL CONDITIONS ARE KNOWN TO  
BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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===== 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.

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

Flash Point:NOT FLAMMABLE

Extinguishing Media:EXTINGUISHING 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.

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===== 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 MO

P.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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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.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIAT  
E FOR  
EXPOSURE OF CONCERN .

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

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD 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.

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Physical/Chemical Properties  
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Spec Gravity:1.015 (H\*2O=1)

pH:12.4

Solubility in Wa

ter:COMPLETE

Appearance and Odor:GREEN LIQUID.

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

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

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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Disposal Considerations  
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATION

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