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MSDS

Common Name: GREEN CLEAN**Manufacturer:** CALIFORNIA CHEMICAL**MSDS Revision Date:** 1/1/2010**MSDS Format:** No Format Specified**Grainger Item Number(s):** 11W285, 11W286, 11W287, 11W294, 11W295, 11W296**Manufacturer Model Number(s):**

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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: GREEN CLEAN

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT IDENTIFIER: GREEN CLEAN

WHMIS CLASSIFICATION:

H 1 (SLIGHT)

F 0

P 0

PRODUCT USE: CLENER AND RESTORER

MANUFACTURER'S NAME: CALIFORNIA CHEMICAL CORP (CALCHEM)

STREET ADDRESS: 2915 29TH AVENUE SW #E

CITY: TUMWATER

PROVINCE/STATE: WA

ZIP CODE: 98512

EMERGENCY TELEPHONE: 1-800-535-5053

SUPPLIERS NAME:
 STREET ADDRESS:
 CITY:
 PROVINCE:
 POSTAL CODE:

EMERGENCY TELEPHONE:

PHONE NUMBER: 360-786-0364

DATE MSDS PREPARED: JANUARY 2010

MSDS PREPARED BY: CALIFORNIA CHEMICAL CORP

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS



HAZARDOUS INGREDIENTS (SPECIFIC)	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC50 OF INGREDIENT (SPECIFY SPECIES)
C9-C11 LINEAR PRIMARY ALCOHOL ETHOXYLATE	3	68439-46-3	1400 MG/KG ORAL RAT	N/AV
POTASSIUM HYDROXIDE	1.5	1310-58-3	365 MG/KG ORAL, RAT	N/AV
PROPYLENE GLYCOL	2	57-55-6	20 G/KG, ORAL RAT	N/AV
WATER	93	7732-18-5	N/AP	N/AV

SECTION 3 - HAZARDS IDENTIFICATION



ROUTE OF ENTRY:
 SKIN CONTACT
 SKIN ABSORPTION
 EYE CONTACT
 INHALATION
 INGESTION

(EMERGENCY OVERVIEW):

(WHMIS SYMBOLS): D2 - MATERIALS CAUSING OTHER TOXIC EFFECTS

POTENTIAL HEALTH EFFECTS:

PROLONGED EXPOSURE MAY CAUSE SKIN DEFATTING OR DERMATITIS

SECTION 4 - FIRST AID MEASURES



SKIN CONTACT:

FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:

FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION:

INGESTION:

DRINK 3-4 GLASSES OF MILK OR WATER. NO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE:

- YES
 NO

IF YES, UNDER WHICH CONDITIONS?:

MEANS OF EXTINCTION:

AS FOR SURROUNDING FIRE. NORMAL FIRE - FIGHTING PROCEDURES

FLASH POINT (DEG. C) AND METHOD: N/AP

UPPER FLAMMABLE LIMIT (% BY VOLUME): N/AP

LOWER FLAMMABLE LIMIT (% BY VOLUME): N/AP

AUTOIGNITION TEMPERATURE (DEG. C): N/AP

EXPLOSION DATA - SENSITIVITY TO IMPACT: N/AP

EXPLOSION DATA - SENSIVITY TO STATIC DISCHARGE: N/AP

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON

(NFPA): NONE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES:

USE APPROPRIATE SAFETY EQUIPMENT, RINSE WITH WATER AND LET DRY

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT:

USE ADEQUATE VENTILATION KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.
KEEP FROM FREEZING

STORAGE REQUIREMENTS:

STORE IN COOL, DRY, WELL VENTILATED AREAS. RECOMMENDED TEMPERATURE
15 DEG. C

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS: N/AV

- ACGIH TLV
 OSHA PEL
 OTHER (SPECIFY)

SPECIFIC ENGINEERING CONTROLS (SUCH AS VENTILATION ENCLOSED PROCESS):
GENERAL VENTILATION

PERSONAL PROTECTIVE EQUIPMENT:

- GLOVES
- RESPIRATOR
- EYE
- FOOTWEAR
- CLOTHING
- OTHER

IF CHECKED, PLEASE SPECIFY TYPE:

NEOPRENE OR RUBBER GLOVES
FOR SPILLS OR OVEREXPOSURE, NIOSH APPROVED, ORGANIC VAPOR CARTRIDGES
CHEMICAL SPLASH GOGGLES
IMPERVIOUS FOOTWEAR

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

ODOR AND APPEARANCE: NATURAL CITRUS ODOR, YELLOW COLOR

ODOR THRESHOLD (PPM): N/AP

SPECIFIC GRAVITY: 1.2 +/- 0.01

VAPOR DENSITY (AIR = 1): 4.1

VAPOR PRESSURE (MMHg): 1.7

EVAPORATION RATE: 0.22

BOILING POINT (DEG. C): >100 DEG. C

FREEZING POINT (DEG. C): <0 DEG. C

pH: 9.5+0.5

COEFFICIENT OF WATER / OIL DISTRIBUTION: 100% WATER SOLUBLE

SOLUBILITY IN WATER: 100%

SECTION 10 - STABILITY AND REACTIVITY



CHEMICAL STABILITY:

- YES
- NO

IF NO, UNDER WHICH CONDITIONS?:

INCOMPATIBILITY WITH OTHER SUBSTANCES:

- YES
- NO

IF YES, WHICH ONES?: STRONG OXIDIZING AGENTS

REACTIVITY, AND UNDER WHAT CONDITIONS?: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION 11 - TOXICOLOGICAL INFORMATION



EFFECTS OF ACUTE EXPOSURE:
EYE AND SKIN CONTACT, MAY CAUSE IRRITATION. INHALATION, INGESTION MAY
CAUSE IRRITATION TO MOUTH, THROAT AND ALIMENTARY TRACT.

EFFECTS OF CHRONIC EXPOSURE:
MAY CAUSE DEFATTING OR DERMATITIS OF THE SKIN

IRRITANCY OF PRODUCT: CONTACT WITH EYES/SKIN

SKIN SENSITIZATION:

RESPIRATORY SENSITIZATION

CARCINOGENICITY - IARC: NO

CARCINOGENICITY - ACGIH: NO

REPRODUCTIVE TOXICITY: N/AV

TERATOGENICITY: N/AV

EMBRYOTOXICITY:

MUTAGENICITY: N/A

NAME OF SYNERGISTIC PRODUCTS/EFFECTS: N/AV

SECTION 12 - ECOLOGICAL INFORMATION



AQUATIC TOXICITY:
MOBILITY: N/A
PERSISTENCE: N/A
BIOACCUMULATIVE: N/A

AQUATIC TOXICITY:
ACUTE FISH TOXICITY. LD50: 138 MG/L/96 HRS. MOSQUITO FISH

ACUTE CRUSTACEANS TOXICITY: N/A

ACUTE ALGAE TOXICITY: N/A

BOD AND COD: N/A.

OTHER INFORMATION:
MATERIAL IS PRACTICALLY NON TOXIC TO FISH ON AN ACUTE BASIS.

SECTION 13 - DISPOSAL CONSIDERATIONS



WASTE DISPOSAL:
ACCORDING TO LOCAL, STATE AND FEDERAL GOVERNMENT REQUIREMENTS

SECTION 14 - TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION:
NORMAL PROCEDURES. KEEP FROM FREEZING

TDG:

PIN:

DOT:

IMO: NONE - NON HAZARDOUS CLEANING COMPOUND

ICAO:

SECTION 15 - REGULATORY INFORMATION

WHMIS CLASSIFICATION:
CLASS D DIV 2 MATERIALS CAUSING OTHER TOXIC EFFECTS AND CLASS E CORROSIVE MATERIALS

(OSHA):

(SERA):

(TSCA):

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY CPR

SECTION 16 - OTHER INFORMATION

NOTICE TO READER:
TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, NEITHER THE ABOVE NAMED SUPPLIER NOR ANY OF ITS SUBSIDIARIES ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.