

QUALCHEM CO AFFIL OF GREEN GLOBE INDUSTRIES INC -- QUALCHEM 53009A --
6850-01-160-3868

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

Product ID:QUALCHEM 53009A

MSDS Date:10/29/1996

FSC:6850

NIIN:01-160-3868

Status Code:A

MSDS Number: CJGWB

=== Responsible Party ===

Company Name:QUALCHEM CO AFFIL OF GREEN GLOBE INDUSTRIES INC

Address:681 MAIN ST BLDG 12

City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Info Ph

one Num:973-759-0105

Emergency Phone Num:800-255-3924/973-759-0105

Preparer's Name:ILLEGIBLE

CAGE:07XT7

=== Contractor Identification ===

Company Name:QUALCHEM CO DIV OF GREEN GLOBE INDUSTRIES INC

Address:600 MEADOWLANDS PKY NO 20

Box:City:SECAUCUS

State:NJ

ZIP:07094

Country:US

Phone:800-327-3456 FAX: 201-842-1307

Contract Num:SP0450-99-M-C538

CAGE:07XT7

Company Name:QUALCHEM CO DIV OF GREEN GLOBE INDUSTRIES INC

Address:600 MEADOWLANDS PKY NO 20

Box:City:SECAUCUS

State:NJ

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Country:US

Phone:800-327-3456 FAX: 201-842-1307

Contract Num:SP0450-99-M-NA20

CAGE:07XT7

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

Ingred Name:SODIUM HYDROXIDE

CAS:1310-73-2

RTECS #:WB4900000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:2-MERCAPTOBENZTHIAZOLE

CAS:149-30-4

RTECS #:DL6475000

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BORATE

CAS:1330-43-4

RTECS #:ED4588000

Other REC Limits:

NONE RECOMMENDED

ACGIH TLV:1 MG/M3

Ingred Name:SODIUM METASILICATE

CAS:6834-92-0

RTECS #:VV9275000

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, RESPIRATORY
AND GASTROINTESTINAL TRACTS (HMIS). ACUTE - EYE: MAY PRODUCE

REDNESS, BURNING AND STINGING. PROLONGED AND/OR REPEATED CONTACT
MAY CAUSE CHEMICAL CONJUNCTIVITIS WHICH MAY CAUSE BLINDNESS. SKIN:
MAY CAUSE REDNESS, FLAKING AND DRYING OF THE SKIN. PROLONGED AND/OR
REPEATED CONTACT MAY CAUSE DERMATITIS AND BURNS. INGESTION: MAY
CAUSE NAUSEA, VOMITING, DIARRHEA AND IRRITATION/BURNS TO THE
DIGESTIVE SYSTEM. INHALATION: MAY CAUSE IRRITATION AND/OR BURNS TO
THE BRONCHIAL MEMBRANES AND OR PULMONARY EDEMA.
CHRONIC/CARCINOGENECITY:

DOES NOT CONTAINS ANY INGREDIENTS K NOWN
TO BE PROBABLE CARCONOGEN.

Explanation of Carcinogenicity:CARCINOGENECITY: DOES NOT CONTAINS ANY
INGREDIENTS KNOWN TO BE PROBABLE CARCONOGEN.

Effects of Overexposure:IRRITATION, DRY SKIN, TEARING, BURNS,
BLINDNESS, PAIN, HEADACHE, DIZZINESS, DERMATITIS, REDNESS

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. ADM
INISTER OXYGEN. SEEK

MEDICAL HELP. EYE CONTACT: IMMEDIATELY FLUSH EYES WITH GENTLE
RUNNING WATER FOR 15 MINUTES. HOLD EYELIDS APART. SEEK MEDICAL
HELP. SKIN CONTACT :FLUSH WITH WATER. REMOVE AND LAUNDRER
CONTAMINATED CLOTHING. IF SKIN IRRITATION DEVELOPS, SEEK MEDICAL
ASSISTANCE. INGESTION: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE
VOMITING. SEEK MEDICAL ATTENT ION. NOTE TO PHYSICIAN: ALL
TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF
DISTRESS. THE

PRINCIPAL MANIFESTATION OF OVEREXPOSURES IS CORROSION
OR BURNS.

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

Flash Point Method:TCC

Flash Point:NONE TO BOILING

Extinguishing Media:WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS WITH FULL
FACE SHIELD.

Unusual Fire/Explosion Hazard:NOT COMBUSTIBLE. CONTAINERS CAN RUPTURE
AND EXPLODE UNDER FIRE CONDITIONS DUE TO PRESENCE AND VAPOR
BUILDUP.

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

Spill Release Procedures:ABSORB ON FIRE RETARDANT MATERIAL. PICK UP AND
DISPOSE OF AT APPROPRIATE WASTE FACILITY IN ACCORDANCE WITH LOCAL,
STATE, AND FEDERAL REGULATIONS. REPORT SPILL TO APPROPRIATE
AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS STAFF:
DILUTE ACID

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

Handling and Storage Precautions:KEEP IN A COOL, DRY PLACE. KE

EP

CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR FOOD.

Other Precautions:USE CAUTION WHEN HANDLING.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:GOGGLES AND/OR SAFETY GLASSES WITH FULL FACE SHIELD.

Other Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY SHOWER, LAB COAT OR UNIFORM.

Work H

ygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

EXPOSURE GUIDLINE(S): MATERIAL CONTAINS SODIUM HYDROXIDE, SODIUM BORATE, 2-MERCAPTOBENZOTRIAZOLE AND SODIUM METASILACATE USE CAUTION WHEN HANDLING.

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

HCC:B1

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:=-1.1C, 30.F

Vapor Pres:17MM OF HG

Vol

atile Org Content %:75

Spec Gravity:1.202 15.5/15.5C

pH:12.5=-/ 0.05

Viscosity:14CPS

Evaporation Rate & Reference:1 (H2O=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID WITH BLAND ODOR

Percent Volatiles by Volume:75%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS, REDOX AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:OXIDES OF SULFUR AND NITROGEN.

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===== Toxicological Information =====

Toxicological Information:TERATOLOGY: THIS PRODUCT DOES NOT CONTAIN ANY TERATOGENIC INGREDIENTS. REPRODUCTION: THIS PRODUCT DOES NOT CONTAIN ANY REPRODUCTIVE INGREDIENTS. MUTAGENICITY: THIS PRODUCT DOES NOT CONTAIN ANY KNOWN MUTAGENIC INGREDIENTS.

===== Ecological Information =====

Ecological:ENVIRONMENTAL FATE AND EFFECTS ARE NOT ESTABLISHED. PRODUCT CONTAINS SURFACTANTS WHICH MAY CAUSE LOCALIZED FISH KILL. NO PERSISTENT EFFECTS WILL RESULT.

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

Waste Disposal Methods:THIS PRODUCT IS SUITABLE FOR DISPOSAL BY AN APPROVED FACILITY OR CAN BE DISPOSED OF ANY GOVERNMENT APPROVED SITE.

===== MSDS Transport Information =====

Transport Information:LIMITED QUANTITIES ARE EXEMPT FROM LABELING AND PLACARDING; UNLESS OFFERED FOR TRANSPORTATION BY AIRCRAFT, PACKED IN STRONG OUTER PACKAGINGS; AND GROSS WEIGHT < 66 LBS/30 KG, 49CFR 173.150. US DOT SHIPPING NAME: SODIUM HYDROXIDE SOLUTION,8, UN1824. DOT LABEL: CORROSIVE.

===== Regulatory Information =====

SARA Title III Information:SECTION 311/312: 2-MERCAPTOBENZOTHIAZOLE (149-30-4). SECTION 313 TOXIC CHEMICALS: NONE. SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE.

Federal Regulatory Information:TSCA STATUS: ALL CHEMICAL SUBSTANCES FOUND IN THIS PRODUCT COMPLY WITH THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY REPORTING REQUIREMENTS. RCRA STATUS: NONE PER 40 CFR PART 261D. CERCLA REPORTABLE QUANTITY:NONE.

State Regulatory Information:THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS THAT ARE REGULATED UNDER THE STATE OF CALIFORNIA PROPOSITION 65.

===== Other Information =====

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