

MOON CHEMICAL PRODUCTS CO -- 041297, QUALCHEM 53009A, CORROSION INHIBITOR,
MIL-A-53009A -- 6850-01-160-3868

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

Product ID:041297, QUALCHEM 53009A, CORROSION INHIBITOR, MIL-A-53009A

MSDS Date:01/01/1998

FSC:6850

NIIN:01-160-3868

Status Code:A

MSDS Number: CLCWK

=== Responsible Party ===

Company Name:MOON CHEMICAL PRODUCTS CO

Address:8112 SW 8TH STREET

City:OKLAHOMA

CITY

State:OK

ZIP:73128

Country:US

Info Phone Num:405-787-2310

Emergency Phone Num:800-255-3924

CAGE:UO038

=== Contractor Identification ===

Company Name:MOON CHEMICAL PRODUCTS CO

Address:8112 SW 8TH STREET

Box:City:OKLAHOMA CITY

State:OK

ZIP:73128

Country:US

Phone:405-787-2310 FAX 4057874304

CAGE:UO038

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:SP0

450-00-M-SJ22
CAGE:07XT7
Company Name:QUANTUM TECHNOLOGY LLC
Address:128 ASHLEY RD
Box:City:CLEMSON
State:SC
ZIP:29631
Country:US
Phone:864-654-7509
Contract Num:SP0450-01-M-ZB48
CAGE:1JRW7

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Composition/Information on Ingredients
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Ingred Name:SODIUM MERCAPTOBENZOTHAZOLE
CAS:2492-26-4
Fraction by Wt: NOT GIVEN

Ingred Name:SODIUM METABORATE
CAS:1330-43-4
RTECS #:ED4588000
Fraction by Wt: NOT GIVEN
ACGIH TLV:1 MG/M3

Ingred Name:POTASSIUM SILICATE
CAS:1312-76-1
Fract
ion by Wt: NOT GIVEN

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: NOT GIVEN

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED BY RESPONSIBLE PARTY.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE IRRITATION OR
BURNS ON PROLONGED CONTACT. INHALATION: HIGH VAPOR CONCENTRATIONS
MAY CAUSE DIZZINESS OR NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM
EFFECTS. SKIN

CONTACT: PROLONGED CONTACT MAY IRRITATE THE SKIN OR DRY THE SKIN CAUSING DERMATITIS. INGESTION: INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT RESULTING IN NAUSEA AND/OR VOMITING.

Explanation of Carcinogenicity: THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS LISTED AS PROBABLE CARCINOGENS.

Effects of Overexposure: EYE CONTACT: MAY CAUSE IRRITATION OR BURNS ON PROLONGED CONTACT. INHALATION: HIGH VAPOR CONCENTRATIONS MAY CAUSE DIZZINESS OR NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. SKIN

CONTACT: PROLONGED CONTACT MAY IRRITATE THE SKIN OR DRY THE SKIN CAUSING DERMATITIS. INGESTION: INGESTION MAY CAUSE IRRITATION TO THE DIGESTIVE TRACT RESULTING IN NAUSEA AND/OR VOMITING.

Medical Condition Aggravated by Exposure: NOT PROVIDED BY RESPONSIBLE PARTY.

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

First Aid: INHALATION: REMOVE TO FRESH AIR, ADMINISTER OXYGEN, SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH WATER, SEEK MEDICAL

ATTENTION. SKIN CONTACT: FLUSH WITH WATER, REMOVE CONTAMINATED CLOTHES. IF IRRITATION OCCURS SEEK MEDICAL ASSISTANCE. INGESTION: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION. NOTE TO PHYSICIAN: ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS AND SYMPTOMS OF DISTRESS. THE PRINCIPAL MANIFESTATION OF OVEREXPOSURES IS CORROSION OR BURNS.

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

Flash Point Method: TCC

Flash

Point: NONE TO BOILING

Lower Limits: NA

Upper Limits: NA

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

Fire Fighting Procedures: SELF CONTAINED BREATHING APPARATUS. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: CONTAINERS CAN RUPTURE AND EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE AND VAPOR BUILDUP.

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

Spill Release Procedures: ABSORB ON FIRE RETARDANT MATERIAL. DISPOSE OF

IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS. REPORT SPILL.

Neutralizing Agent:NOT PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:KEEP IN A COOL DRY PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR FOOD.

Other Precautions:NOT PROVIDED BY RESPONSIBLE PARTY.

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

Respiratory Protection:NONE NEEDED UNDER NORMAL CONDITIONS.

Ventilation:NOT PROVIDED BY RESPONSIBLE PARTY.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:GOGGLES, SAFETY GLASSES, FULL FACE SHIELD RECOMMENDED DURING OPERATIONS.

Other Protective Equipment:NOT PROVIDED BY RESPONSIBLE PARTY.

Work Hygienic Practices:NOT PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health NOT PROVIDED BY RESPONSIBLE PARTY.

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

HCC:B3

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:=30

.C, 86.F

M.P/F.P Text:~30F

Vapor Pres:17 MM OF HG

Vapor Density:NE

Spec Gravity:1.202 15.5/15.5F

pH:12.5

Viscosity:14CPS

Evaporation Rate & Reference:1(WATER=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR ALKALINE LIQUID WITH BLAND ODOR.

Percent Volatiles by Volume:75

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

Stability Indicator/Materials to Avoid:YES

ACIDS, REDOX AGENTS.

Stability Condition to Avoid:NOT PROVIDED BY RESPONSIBLE PARTY.

Hazardous Decompos

ition Products:OXIDES OF SULFUR AND NITROGEN.

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

Toxicological Information:DOES NOT CONTAIN ANY TERATOGENS, DOES NOT CONTAIN ANY HARMFUL REPRODUCTIVE AGENTS. DOES NOT CONTAIN ANY KNOWN MUTAGENS.

===== 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:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

Transport Information:DOT SHIPPING NAME: CORROSIVE N.O.I.

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

SARA Title III Information:CERCLER REPORTABLE QUANTITY= NONE. SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: NONE. SARA SECTION 313

TOXIC CHEMICALS: NONE. SARA HAZARD CATEGORIES, SARA SECTIONS 311/312: NONE. RCRA STATUS: NONE PER 40 CFR P 261D.

Federal Regulatory Information:TSCA INVENTORY: ALL OF THE INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE OF THE PRODUCTS COMPOSING THIS MIXTURE IS LISTED UNDER PROPOSITION 65. NEW JERSEY RIGHT-TO-KNOW INFORMATION: SODIUM MERCAPTOBENZOTHAZOLE, CAS# 2492-26-4; SODIUM METABORATE, CAS# 1330-43-4; POTASSIUM SILICATE, CAS#1312-76-1; WATER, CAS# 7732-18-5.

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

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