

QUALCHEM CO AFFIL OF GREEN GLOBE INSUSTRIES INC -- OC828, CUPRIC SULFATE,
PENTAHYDRATE -- 6810-00-236-5680

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

Product ID:OC828, CUPRIC SULFATE, PENTAHYDRATE

MSDS Date:04/04/1997

FSC:6810

NIIN:00-236-5680

MSDS Number: CFKCW

=== Responsible Party ===

Company Name:QUALCHEM CO AFFIL OF GREEN GLOBE INSUSTRIES INC

Address:681 MAIN STREET, BUILDING 12

City:BELLEVILLE

State:NJ

ZIP:07109

Country:US

Info Phone Num:201-759-0105

Emergency

Phone Num:800-255-3924 910-251-0363

Preparer's Name:UNREADABLE SIGNATURE

CAGE:07XT7

=== Contractor Identification ===

Company Name:NO VENDOR HAS BEEN NAMED FOR THIS LINE.

Box:UNKNOW

CAGE:NO672

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

CAGE:07XT7

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

Ingred Name:CUPRIC SULFATE PENTAHYDRATE

CAS:7758-99-8

RTECS #:GL8900000

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE:MAY CAUSE IRRITATION, BLURRED
VISION. SKIN:PROLONGED CONTACT MAY IRRITATE, CAUSE DERMATITIS.
INHALATION:HIGH VAPOR CONCENTRATION MAY CAUSE HEADACHE,

DIZZINESS,
ANESTHESIA & OTHER CNS EFFECTS. INGESTION:SMALL AMOUNTS DRAWN INTO LUNGS BY SWALLOWING OR VOMITING CAUSING RESPIRATORY IRRITATION. MAY CAUSE G/I IRRITATION.

Explanation of Carcinogenicity:THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC, OSHA OR ACGIH.

Effects of Overexposure:EYE:IRRITATION, BLURRED VISION. SKIN:PROLONGED CONTACT;IRRITATION, DERMATITIS. INHALATION:HIGH VAPOR CONCENTRATION;HEADACHE, DIZZINESS, ANESTHESIA & OTHER CNS EFFECTS.

INGESTION:SMALL AMOUNTS DRAWN IN TO LUNGS BY SWALLOWING OR VOMITING CAUSING RESPIRATORY IRRITATION. MAY CAUSE G/I IRRITATION.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING SKIN CONDITIONS.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.
EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE

RE. AID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF MILK OR WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:N/A.

Lower Limits:N/A.

Upper Limits:N/A.

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, BC/ABC EXTINGUISHERS.

Fire Fighting Procedures:WEAR FULL-FACE SELF

CONTAINED NIOSH APPROVED

BREATHING APPARATUS (SCBA RECOMMENDED BY NFPA.) KEEP FIRE EXPOSED CONTAINERS COOL W/WATER FOG.

Unusual Fire/Explosion Hazard:MATERIAL MAY RUPTURE DUE TO RELEASE OF WATER FROM CRYSTALS. MATERIAL IS ACIDIC IN WATER. CONTACT W/MAGNESIUM MAY EVOLVE HYDROGEN GAS. DECOMPOSES >600F.

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

Spill Release Procedures:DIKE & CONTAIN. RECOVER FREE MATERIAL IF POSSIBLE W/NON FLAMMABLE MATERIAL & PLACE

INTO PROPER CONTAINERS
FOR DISPOSAL. ALL RESPOSNE ACTIVITIES MUST COMPLY W/HAZWOPER
(29CFR1910.120).

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE.
Other Precautions:PRODUCT IS ACIDIC IN WATER. LICALIZE HIGH
CONCENTRATIONS OF THIS PRODUCT MAY CAUSE FISH KILL. NO PERSISTANT
EFFECTS WILL RESULTS.

===== Exposure Controls/Person
al Protection =====

Respiratory Protection:NONE UNDER ANY NORMAL CONDITION OF USE.
Ventilation:MFR GAVE NO INFORMATION OF MSDS. SEE SUPP DATA.
Protective Gloves:UBBER GLOVES.
Eye Protection:FACE SHIELD OR SAFETY GLASSES
Other Protective Equipment:MFR GAVE NO INFORMATION OF MSDS.
Work Hygienic Practices:PRACTICE HYGENIC METHODS. WASH HANDS BEFORE
EATING. AVOID INHALATION OR INGESTION.
Supplemental Safety and Health
ENGINEERING METHODS:"STORE IN COOL DRY PLACE KEEP AWAY FROM FOOD."

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

HCC:V7
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:N/A.
Melt/Freeze Pt:=110.C, 230.F
Vapor Pres:N/A.
Vapor Density:N/A.
Spec Gravity:2.2?4C
Evaporation Rate & Reference:N/A.
Solubility in Water:32 GM/100ML
Appearance and Odor:BLUE CRYSTALS, SOLID, NONE

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

Stability Indicator/Materials to Avoid:YES
MAGNESIUM METALS
Stability Condition to Avoid:MFR GAVE NO IN

FORMATION OF MSDS.

Hazardous Decomposition Products:OXIDES OF COPPER & SULFUR

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL
REGULATIONS.

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