

DREW CHEMICAL CORP,DIV OF ASHLAND CHEMICAL CO -- BIOSPERSE 250SP MICROBIOCIDE --
6810-01-313-9539

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

Product ID:BIOSPERSE 250SP MICROBIOCIDE

MSDS Date:10/14/1986

FSC:6810

NIIN:01-313-9539

MSDS Number: BHYPH

=== Responsible Party ===

Company Name:DREW CHEMICAL CORP,DIV OF ASHLAND CHEMICAL CO

Address:ONE DREW CHEMICAL PLAZA

City:BOONTON

State:NJ

ZIP:07005

Country:US

|

Info Phone Num:201-263-7600

Emergency Phone Num:201-263-7600

CAGE:52454

=== Contractor Identification ===

Company Name:DREW CHEMICAL CORP,DIV OF ASHLAND CHEMICAL CO

Address:ONE DREW CHEMICAL PLAZA

Box:City:BOONTON

State:NJ

ZIP:07005

Country:US

Phone:606-324-1133

CAGE:52454

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

Ingred Name:5-CHLORO-2-METHYL-4-ISOTHIOAZOLIN-3-ONE

CAS:26172-55-4

RTECS #:NX8156850

Fraction by Wt: 4%

Other REC Limits:SEE SUPPLEMENT DATA

Ingred Name:2-

METHYL-4-ISOTHIAZOLIN-3-ONE
CAS:2682-20-4
RTECS #:NX8157000
Fraction by Wt: 1%
Other REC Limits:SEE SUPPLEMENT DATA

Ingred Name:MAGNESIUM NITRATE
CAS:10377-60-3
RTECS #:OM3750000
Fraction by Wt: 8-9%
Other REC Limits:SEE SUPPLEMENT DATA

Ingred Name:MAGNESIUM CHLORIDE, ANHYDROUS
CAS:7786-30-3
RTECS #:OM2800000
Fraction by Wt: 4-5%
Other REC Limits:NONE SPECIFIED

Ingred Name:SILICA GEL (AMORPHOUS SILICA)
CAS:112945-52-5
RTECS #:VV7310000
Fraction by Wt: 47-53%
Other REC Limits:NONE SPECIFIED
OS
HA PEL:10 MG/CUM TDUST 9091
ACGIH TLV:10 MG/CUM TDUST 9091

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CAUSES
IRRITATION,SENSITIZATION, POSSIBLE BURNS BY CONTACT OR ABSORPTION
IN ALL ORGANS. INGESTION MAY CAUSE INJURY TP GASTROINTESTINAL
TRACT, POSSIBLY DEATH. CHRONIC: TOXIC LEVELS AMY RESULT FR OM
PROLONGE
D OR REPEATED EXPOSURE.
Effects of Overexposure:IRRITATION, PAIN, BURNS IN EXPOSED ORGANS.
Medical Cond Aggravated by Exposure:ANY PREEXISTING ALLERGY,
SENSITIVITY, OR ORGAN DYSFUNCTION.

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

First Aid:EYE: INMMEDIATLY FLUSH 15 MINUTES WITH AMPLE WATER, KEEPING
EYELIDS OPEN. SKIN:FLUSH IMMEDIATELY WITH AMPLE WATER 15 MINUTES.
REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE
REUSE.INHALATION:REMOVE TO FRESH AIR, GIVE

OXYGEN OR ARTIFICIAL

RESPIRATION AS REQUIRED. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE AMT MILK,EGG WHITE, GELATIN SOLN, WATER. CALL PHYSICIAN PROMPTLY ALL CASES.

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

Lower Limits:NOT APPLICAE

Upper Limits:NOT APPLICAE

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WH

EN FIGHTING CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:SWEEP UP SMALL SPILLS. EVACUATE SPILL AREA, CONFINE SPILL, APPLY NEUTRALIZER SOLUTION TO SPILL AREA AND DIKE MATERIAL,IF USED. COLLECT RESIDE AND WASH DOWN AREA.

Neutralizing Agent:PREPARE FRE

SH 1.2LB SOD SULFITE + 7.9LB WATER +
0.9LB 37% HCL = 10LB SOLN PH=4

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

Handling and Storage Precautions:CORROSIVE MATERIAL! HANDLE BIOCID E PACKETS CAREFULLY. WASH THOROUGHLY AFTER HANDLING. EMPTY CONTAINERS MAY BE HAZARDOUS,KEEP CONTAINERS CLOSED!

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:AIR SUPPLIED RESPIRATOR OR SCB
A POSITIVE

PRESSURE MODE AS REQUIRED BY WORKING CONDITIONS.

Ventilation:LOCAL OR GENERAL MECHANICAL

Protective Gloves:NEOPRENE

Eye Protection:SAFETY GLASSES, GOGGLES, FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:HANDLE PACKETS CAREFULLY. WASH THOUROUGHLY AFTER USING. WASHCONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

SUPPLIER RECOMMENDS FOR TOTAL ISOTHIAZOLONES (INGREDIENTS 1 AND 2) A TWA OF 0.1 MG/CUM AND A STEL O

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

HCC:D1
Boiling Pt:B.P. Text:NOT APPLICE
Melt/Freeze Pt:M.P/F.P Text:NOT APPLICE
Vapor Pres:NOT APPLIE
Vapor Density:NOT APPLIE
Spec Gravity:0.25 - 0.75
pH:NOT AE
Viscosity:NOT APPLICABE
Appearance and Odor:YELLOW POWDER
Percent Volatiles by Volume:25-40

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

Stability Indicator/Materials to Avoid:YES
NON
E SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.OPEN FLAMES
Hazardous Decomposition Products:HYDROGEN CHLORIDE, SULFUR DIOXIDE

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

Waste Disposal Methods:BIOCIDE PACKETS DEACTIVATE WITHIN THREE DAYS
AFTER REMOVAL FROM RESERVOIR. NEUTRALIZE ACTIVE MATERIAL, THEN
FLUSH TO SEWER. INACTIVE MATERIAL MAY BE DISPOSED OF AS SOLID
WASTE. FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.