

ROHM AND HAAS CO -- KATHON FP 1.5% BIOCIDE -- 6840-01-041-0098

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Product Identification
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Product ID:KATHON FP 1.5% BIOCIDE

MSDS Date:12/19/1994

FSC:6840

NIIN:01-041-0098

MSDS Number: BRGZB

=== Responsible Party ===

Company Name:ROHM AND HAAS CO

Address:INDEPENDENCE MALL WEST

City:PHILADELPHIA

State:PA

ZIP:19105

Country:US

Info Phone Num:215-502-2000/CHEMTREC 800-424-9300

Emergency Phon

e Num:215-502-2000/CHEMTREC 800-424-9300

CAGE:77902

=== Contractor Identification ===

Company Name:FUEL QUALITY SERVICES, INC.

Address:4584 CANTRELL ROAD

Box:1380

City:FLOWERY BRANCH

State:GA

ZIP:30542

Country:US

Phone:(800) 827-9790 - (770) 967-9790

CAGE:40161

Company Name:ROHM AND HAAS CO

Address:100 INDEPENDENCE MALL WEST

Box:City:PHILADELPHIA

State:PA

ZIP:19106-2399

Country:US

Phone:215-592-2521/215-592-3000

CAGE:77902

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Composition/Information on Ingredients
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In

gred Name:5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE
CAS:26172-55-4
RTECS #:NX8156850
Fraction by Wt: 1.0-1.3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:2-METHYL-4-ISOTHIAZOLIN-3-ONE
CAS:2682-20-4
RTECS #:NX8157000
Fraction by Wt: 0.2-0.5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM NITRATE
CAS:10377-60-3
RTECS #:OM3750000
Fraction by Wt: 1.7-1.8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MG/M3 CEILING
ACGIH TLV:10 MG MG/M3

Ingred Name:MAGNESIUM CHLORIDE,
CAS:7786-30-3
RTEC
S #:OM2800000
Fraction by Wt: 0.9-1.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 6.0-7.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIPROPYLENE GLYCOL
CAS:110-98-5
RTECS #:VB8785000
Fraction by Wt: 88-90%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) 3723(F) & 3600(M) MG/M3
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 SEVERE IRRITATION, CORNEAL INJURY. SKIN:MAY CAUSE IRRITATION WHICH MAY BE DELAYED HOURS, BURNS. INHALATION:MAY CAUSE IRRITATION OF NOSE & THROAT. INGESTION:HARMFUL IF SWALLOWED. CHRONIC :MAY CAUSE ALLERGIC CONTACT DERMATITIS.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of

Overexposure:EYE:SEVERE IRRITATION, CORNEAL INJURY.

SKIN:IRRITATION WHICH MAY BE DELAYED HOURS, BURNS, ALLERGIC CONTACT DERMATITIS. INHALATION:IRRITATION OF NOSE & THROAT.

INGESTION:HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION OF MSDS.

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===== 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 C

ONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:PMCC

Flash Point:280F,138C

Lower Limits:NO DATA

Upper Limits:NO DATA

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. COOLFIRE EXPOSED CONTAINERS W/WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:COMBUSTION GENERATES TOXIC FUMES OF THE FOLLOWING: HYDROGEN CHLORIDE, NITROGEN OXIDES AND SULFUR OXIDES.

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

Spill Release Procedures:KEEP SPILLS OUT OF SEWERS & BODIES OF WATER. CONTAIN SPILL. TRANSFER LIQUID & DIKI

NG MATERIAL TO CONTAINERS FOR
RECOVERY & DISPOSAL. DECONTAMINATE AREA W/NEUTRALIZER. RINSE TO
CHEMICAL SEWER AFTER 30 MIN.

Neutralizing Agent:10% SODIUM BISULFITE SOLUTION

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

Handling and Storage Precautions:STORE IN A WELL VENTILATED AREA
BETWEEN 0C(32F) & 55C(131F). DO NOT STORE IN STEEL CONTAINERS.

Other Precautions:CONTAINERS HAZARDOUS WHEN EMPTY. SINCE EMPTIED
CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW ALL MS

DS & LABEL

WARNINGS. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF
CHILDREN. AVOID CONTACT WITH EYES & SKIN. DO NOT BREATHE
MIST/VAPORS.

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

Respiratory Protection:NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE
MAINTAINED BELOW EXPOSURE LIMITS. IF RESPIRATORS ARE USED, COMPLY
W/OSHA 29CFR1910.134 & ANSI Z88.2.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL
INHALATION EXPOSURES BELOW OSHA'S PEL.

OW OSHA'S PEL.

Protective Gloves:BUTYL RUBBER, NITRILE

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:CHEMICALLY RESISTANT APRON & OTHER
IMPERVIOUS CLOTHING. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS.

Supplemental Safety and Health

NONE

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

HCC:C2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:392F,200C

Melt/Freeze Pt:M.P/F.P Text:NO DATA

Vapor Pressure:

0.1 MM

Vapor Density:0.65

Spec Gravity:1.044

pH:4.4

Evaporation Rate & Reference: