

ROHM AND HAAS CO -- KATHON FP 1.5% BIOCIDES, PRODUCT CODE:62822 -- 6840-01-358-7218

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Product Identification  
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Product ID:KATHON FP 1.5% BIOCIDES, PRODUCT CODE:62822

MSDS Date:10/17/1996

FSC:6840

NIIN:01-358-7218

MSDS Number: BSVRR

=== Responsible Party ===

Company Name:ROHM AND HAAS CO

Address:INDEPENDENCE MALL WEST

City:PHILADELPHIA

State:PA

ZIP:19105

Country:US

Info Phone Num:215-502-200

0/CHEMTREC 800-424-9300

Emergency Phone 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/Informa

tion on Ingredients =====

Ingred Name:5-CHLORO-2-METHYL-4-ISOTHIOAZOLIN-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: 0.3-0.4%  
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  
RTECS #: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: 5.0-6.0%  
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

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >3600 MG/KG  
Routes of Entry: Inhalation:YES Skin:Y

ES 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:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-MOVE SUBJECT TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGESTION-GIVE 2 GLASSES OF WATER TO DRINK. IMMEDIATELY SEE A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. EYE AND SKIN-IMMEDIATELY FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR 15 MIN. WASH SKIN AREAS THOROUGHLY WITH SOAP & WATER. GET PROMPT MEDICAL ATTENTION.

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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 SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO FIRE. MINIMIZE EXPOSURE. CONTAIN RUN-OFF.

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.

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CONTAIN SPILL. TRANSFER LIQUID & DIKING MATERIAL TO CONTAINERS FOR RECOVERY & DISPOSAL. DECONTAMINATE AREA W/NEUTRALIZER. RINSE TO CHEMICAL SEWER AFTER 30 MIN.

Neutralizing Agent:10% SODIUM BISULFITE SOLUTION IN WATER.

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Handling and Storage  
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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 CO

CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW ALL MSDS & LABEL WARNINGS. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH EYES & SKIN. DO NOT BREATHE MIST/VAPORS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. NONE REQUIRED IF AIRBORNE CONCENTR

ATIONS ARE MAINTAINED BELOW THE EXPOSURE LIMITS.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW 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:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

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Physical/Chemical Properties  
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HCC:D1

NRC/State Lic Num:NONE

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

Vapor Pres:0.1 ISOTHI

Vapor Density:0.65

Spec Gravity:1.044 @25C

pH:4.4

Viscosity:97.8CPS @25F

Evaporation Rate & Reference: