

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

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

Product ID:KATHON FP 1.5% BIOCIDES
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 Phone Number: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

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

Ingre

d 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: 0.2-0.5%

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

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: 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

=====
===== 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 Car

cinogenicity: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 Ov

ereposure: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.

=====
===== 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 CONT

AMINATED CLOTHING & LAUNDER 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.

=====
===== 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.

Fir

e 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.

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

Spill Release Procedures:KEEP SPILLS OUT OF SEWERS & BODIES OF WATER. 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

===== 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 MSDS

& LABEL

WARNINGS. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF
CHILDREN. AVOID CONTACT WITH EY ES & 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.

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 Pres:

0.1 MM

Vapor Density:0.65

Spec Gravity:1.044

pH:4.4

Evaporation Rate & Reference: