

HOMMOUNDS FUEL ADDITIVES INC -- BIOBOR JF -- 6840-01-173-6940

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

Product ID:BIOBOR JF

MSDS Date:05/01/1996

FSC:6840

NIIN:01-173-6940

MSDS Number: BVGPK

=== Responsible Party ===

Company Name:HOMMOUNDS FUEL ADDITIVES INC

Address:1151 KITTYCREST LN

Box:38114-

City:HOUSTON

State:TX

ZIP:77238-8814

Country:US

Info Phone Num:713-442-3777

Emergency Phone Num:800-424-9300(

CHEMTREC)

Preparer's Name:WALTER P. CHARTRAND

CAGE:LO246

=== Contractor Identification ===

Company Name:HAMMONDS FUEL ADDITIVES

Box:City:HOUSTON

State:TX

ZIP:77238

Country:US

CAGE:0U7J1

Company Name:HOMMOUNDS FUEL ADDITIVES INC

Address:15760 W. HARDY, SUITE 400

Box:38114-

City:HOUSTON

State:TX

ZIP:77060-3147

Country:US

Phone:713-820-5674

CAGE:LO246

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

Ingred Name:MINERAL SPIRITS; (NAPHTHA)

CAS:64475-85-0

RTECS #:PY8240000

Fracti

on by Wt: 4.5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:2,2'-(1-METHYLTRIMETHYLENEDIOXY)  
BIS-(4-METHYL-1,3,2-DIOXABORINATE)

CAS:8063-89-6

Fraction by Wt: 67.6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:INERT MATERIALS

Fraction by Wt: 0.5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:2,2'-OXYBIS (4,4,6-TRIMETHYL-1,3,2-DIOXABORINANE)

CAS:8063-89-6

Fraction by Wt: 27.4%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC5

0 Mixture:LD50 ORAL,RATS:3.16ML/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INGEST:HUMAN ACCIDENTAL

EXPO:NAUSEA,VOMITING.EYE:SLIGHT TO MODERATE IRRIT.DERMAL:ERYTHEMA  
IF SKIN IS NOT WASHED OFF AFTER CONTACT.INHAL:CAN CAUSE  
DIZZINESS,NAUSEA.

Explanation of Carcinogenicity:PER MSDS:NOT LISTED IN NTP/IARC/OSHA.

Effects of Overexposure:EYE:TRANSIENT CONJUCTIVAL BLISTERING,CORNEAL  
OPACI

TY.DERMAL:REP DAILY CONTACT MAY RESULT IN

ERYTHEMA,ATONIA,DESQUAMATION,CORIACEOUSNESS,FISSURING,EDEMA.NO  
KIDNEY/LIVER INVOLVEMENT NOTED IN ANIMAL STUD IES.INHAL:DIZZ,NAU.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH W/TEPID WATER FOR 15MINS.IRRIT DEVELOPS CONSULT  
PHYSICIAN.SKIN:REMOVE CONTAMIN CLOTH/SHOES.WASH W/MILD SOAP/PLENTY  
OF WATER.INHAL:REMOVE TO FRESH AIR.SHOU

LD UNFORESEEN SYMPTOMS

DEVELOP CONSULT PHYSICIAN.INGEST:DO NOT INDUCE VOMIT.DRINK 2-3 GLASSES OF WATER OR MILK.CONSULT PHYSICIAN.DR:TREAT FOR PETRO DISTILLATE EXPO.MATL DECOMPO TO GLYCOL & BORIC ACID.

=====  
Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:102F,39C

Autoignition Temp:Autoignition Temp Text:NP

Extinguishing Media:CO2 POWDER,FOAM-TYPE B,WATER SPRAY.

Fire Fighting Procedures:WEAR BREATHING APPARATUS WHICH IS NIOSH AP

PROVED SUCH AS SCOTT AIRPAC,THAT IS POSITIVE PRESSURE & SELF-CONTAINED.

Unusual Fire/Explosion Hazard:NONE.

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Accidental Release Measures  
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Spill Release Procedures:TAKE UP W/ABSORBENT FOR ORGANIC LIQUIDS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
Handling and Storage  
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Handling and Storage Precautions:KEEP AWAY FROM IGNITION SOURCES-NO SMOKING.KEEP DRY & COOL,STORE IN WELL VENTILATED AREA.KEEP AWAY

FROM HEAT/OPEN FLAMES.

Other Precautions:KEEP CNTNR CLOSED WHEN NOT IN USE TO AVOID PRODUCT EXPOSURE TO ATMOSPHERIC MOISTURE.EPA REG#:65217-1,PESTICIDE-EXEMPT FROM TSCA INVENTORY UNDER TSCA3(2)(B)(II).

=====  
Exposure Controls/Personal Protection  
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Respiratory Protection:STANDARD DISPOSABLE FOR ORGANIC VAPORS.

Ventilation:LOCAL EXHAUST IS SUFFICIENT.

Protective Gloves:SOLVENT RESISTANT GLOVES.

Eye Protection:CHEM SPLASH GOGG/FACE SHIELD.

Other Protective E

quipment:NONE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

DISPO:USE OF PROD MAY BE DISPO OF ON SITE/@APPROV WASTE DISPO FACI.TRIPLE RINSE CNTNR(EQUIVA);THEN OFFER FOR RECYCL/RECOND OR PUNCTURE/DISPO OF IN SANITARY LANDFILL/BY OTHER PROCEDURES APPROVED BY STA TE/LOC AUTHORITIES.

=====  
Physical/Chemical Properties  
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HCC:F5

Boiling Pt:B.P. Text:529F,276C

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:N

P

Vapor Density:>1,AIR=1

Spec Gravity:1.05 @70F

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:NONE,HYDROLYZES.

Appearance and Odor:LIQUID, YELLOW LIQUID WITH AROMATIC ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

EXPOSURE TO WATER.

Stability Condition to Avoid:EXPOSURE TO WATER;CONTAINERS THAT MUST  
VENTED TO ATMS SHOULD USE A DESICCANT DRYER.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:COVERED LANDFILL.CONTACT YOUR STATE PESTICIDE OR  
ENVIRO CNTRL AGENCY OR HAZ WASTE REPRESENTATIVES @NEAREST EPA  
REGIONAL OFFICE FOR GUIDELINES.DON'T CONTAMIN WATER/FOOD/FEED.READ  
CNTNR LABEL.CNTNR RECY CLING ENCOURAGED.WASTE RESULTING FROM  
(SUPPLEMENT)

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