

U.S. BORAX & CHEMICAL CORP. -- BIOBOR JF (DIESEL FUEL ADDITIVE PART II) -- 6840-01-173-6940

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Product Identification  
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Product ID: BIOBOR JF (DIESEL FUEL ADDITIVE PART II)

MSDS Date: 05/11/1987

FSC: 6840

NIIN: 01-173-6940

MSDS Number: BGPRR

=== Responsible Party ===

Company Name: U.S. BORAX & CHEMICAL CORP.

Address: 3075 WILSHIRE BLVD

Box: 2781

City: LOS ANGELES

State: CA

ZIP: 90010-1207

Country: US

Emergency Phone Num: 714 774 2673

Preparer's Name: JOHN C. MIDDLETON, MGR

CAGE: NO127

=== Contractor Identification ===

Company Name: U S BORAX AND CHEMICAL CORP

Address: 3075 WILSHIRE BLVD

Box: 2781 T

City: LOS ANGELES

State: CA

ZIP: 90010-1207

Country: US

CAGE: 24611

Company Name: U.S. BORAX & CHEMICAL CORP.

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ZIP: 90010-1207

Country: US

CAGE: NO127

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Composition/Information on Ingredients  
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Ingred Name: 2,2'-OXYBIS(4,4,6-

TRIMETHYL-1,3,2,-DIOXABORINAANE):SEE

THIRD ENTRY

CAS:8063-89-6

Fraction by Wt: 27.4%

Ingred Name:2,2'-(1-METHULTRIMETHYLENEDIOXY)

BIS-84-METHYL-1,3,2-DIOXABORINANE):SEE THIRD ENTRY

CAS:8063-89-6

Fraction by Wt: 67.7%

Ingred Name:NAPHTA (PETROLEUM SPIRITS OR BENZIN)

CAS:8030-30-6

RTECS #:DE3030000

Fraction by Wt: 4.5%

OSHA PEL:100 PPM

Ingred Name:INERT INGREDIENTS(TYPE NOT SPECIFIED)

Fraction by Wt: 0.5%

Ingred Name:PRODUCT CONTAINS TRACE AMTS OF ARSENIC, A CHEM KNOWN TO  
CAUSE CAN

CER. EXPOSURE WILL NOT EXCEED OSHA PEL'

RTECS #:9999999ZZ

Ingred Name:UNLESS USED IN A MANNER THAT PRODUCES EXTREMELY HEAVY  
AIRBORNE CONC OF BORATE MATER AT LEVELS HIGHLY EXCEEDING LIMITS

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50 DERMAL RABBIT 9.1 ML/KG

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

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

Health Hazards Acute and Chronic:ACUTE: EYE:IRRITATION,TRANSI  
ENT

CONJUNCTIVAL BLISTERING;SKIN:SLIGHT

ERYTEMA;INHALATION:NAUSEA,DIZZINESS;INGESTION:NAUSEA,VOMITING.

CHRONIC: EYE:TRANSIENT CONJUNCTIVAL BLISTERING,CORNEAL

OPACITY;SKIN:

ERYTHEMA,ATONIA,DESQUAMATION,CORIACEOUSNESS,FISSURING,EDEMA.NO

KIDNEY,LIVER INVOLVEMENT NOTED ON AMINAL STUDIES.

Effects of Overexposure:EYES: IRRITATION, TRANSIENT CONJUNCTIVAL

BLISTERING, CORNEAL OPACITY; SKIN: SLIGHT ERYTHEMA, ATONIA,

DESQUAMATION,CORIACEOUSNESS, FISSURING & EDEMA; INHAL: NA

USEA &

DIZZINESS; INGEST: NAUSEA, VOMITING .

Medical Cond Aggravated by Exposure:ANY MEDICAL CONDITIONS AFFECTING  
SAME ORGANS AS THOSE AFFECTED BY OVEREXPOSURE.

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First Aid Measures  
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First Aid:EYES: FLUSH W/TEPID WATER FOR 15 MIN. GET MED ATTN; SKIN:  
WASH W/SOAP & WATER.REMOVE TO FRESH AIR. GIVE CPR/O2 AS SITUATION  
DICTATES. KEEP PERSON WARM & QUIET; INGEST: DONOT INDUCE VOMITING.  
DRINK 2-3 GLASSES OF WATER OR MILK. GET MED AT  
TN;NOTE:TREAT FOR  
PETROL. DISTILL. EXPOSURE-MATERIAL DECOMPOSES TO GLYCOL & BORIC  
ACID IN CONTACT W/WATER.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:102F/38.9C  
Extinguishing Media:CO\*2,FOAM,DRY CHEM,  
Fire Fighting Procedures:WEAR SCBA  
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures  
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Spill Release Procedures:TAKE UP W/ ORGANIC LIQUID ABSORBENT. PLACE IN  
APPROVED DRUM  
FOR DISPOSAL; FOR LARGE SPILL-STOP LEAK IF POSSIBLE,  
DIKE TO RETAIN MATERIAL. PUMP/VACUUM MATERIAL & PLACE IN A CLOSED  
CONTAINER.

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Handling and Storage  
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Handling and Storage Precautions:KEEP AWAY FROM HEAT OR OPEN FLME.  
KEEP CLOSED TO AVOID EXPOSURE TO ATMOSPHERIC MOISTURE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NIOSH/MESA APPROVED RESP  
Ventilation:GENERAL REQD, LOCAL OPTIONAL  
Prote

ctive Gloves:OPTIONAL

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED

Supplemental Safety and Health

EPA. REG NO. 1624-71; ACUTE LD50(ORAL-RAT 3.16 ML/K6; DERMAL-RABBIT 9.1 ML/KG)/ FOR PART I OF THE ADDITIVE,SEE 6850-01-167-4788.

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

HCC:F4

Spec Gravity:1.05 @ 70F

Solubility in Water:NONE;HYDROLYZES

Appearance and Odor:YELLOW LIQUID-AROMATIC ODOR

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

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Stability Indicator/Materials to Avoid:YES

OZIDIZERS

Stability Condition to Avoid:EXPOSURE TO WATER RESULTS IN HYDROLYSIS

Hazardous Decomposition Products:HYDROLYZES IN WATER TO GIVE BORIC ACID & GLYCOL.

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

Waste Disposal Methods:COVERED LANDFILL. CONTACT STATE PESTICIDE OR ENVIRONMENTAL CONTROL AGENCY OR HAZARDOUS WASTE REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDELINES. DONOT CONTAMINATE WATER, FOOD, OR FEED. R EAD CONTAINER LABEL.

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