

CHEM-TREND INC -- BRITEMOR 446 -- 6850-01-267-4345

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Product Identification
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Product ID:BRITEMOR 446

MSDS Date:02/01/1994

FSC:6850

NIIN:01-267-4345

MSDS Number: BVBMR

=== Responsible Party ===

Company Name:CHEM-TREND INC

Address:1445 W. MCPERSON PARK DR

City:HOWELL

State:MI

ZIP:48844-0860

Country:US

Info Phone Num:517-546-4520

Emergency Phone Num:517-546-4520

Preparer's Name:JLG

CAGE:2W7

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=== Contractor Identification ===

Company Name:CHEM-TREND INC

Address:1445 W. MCPHERSON PARK DR

Box:860

City:HOWELL

State:MI

ZIP:48844-0860

Country:US

Phone:800-727-7730

CAGE:2W738

Company Name:DUNN R G ASSOCIATES INC

Address:15104 LEE RD SUITE 203-B

Box:City:HUMBLE

State:TX

ZIP:77396-2078

Country:US

Phone:281-441-2001/FAX: 281-441-7772

CAGE:0A272

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Composition/Information on Ingredients
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Ingred Name:HYDROCARBON NAPHTHA

CAS:64742-47-8

Fraction by Wt: 30-40%

Other

REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 5-15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHOSPHATE ESTER BLEND

Fraction by Wt: 10-20%

Other REC Limits:NONE RECOMMENDED

Ingred Name:EMULSIFIER BLEND (PER MSDS:INGRED NONHAZ BASED ON SUPPLIERS
MSDS FORMS AS CMPDED WHEN PRODUCT IS USED AS DIRECTED).

Fraction by Wt: 35-45%

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:PROLONG/REPEAT SKIN CONTACT MAY DEFAT
SKIN WHICH MAY CAUSE IRRIT OR DERM. LIQ PRODUCT SPLASHED IN EYES
WILL PROBABLY IRRIT. INHAL OF HI VAP CONCEN MAY CAUSE NASAL & RESP
IRRIT & EVEN ASPHYXIATION AT E XTREME LEVELS. INGEST MAY CAUSE
IRRIT OFGI TRACT. DANGER OF ASPIRATION EXIST WHICH CAN BE FATAL DUE
TO CHEM PNEUMONITIS

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xplanation of Carcinogenicity:PER MSDS:LISTED CARCINOGENS (NTP,IARC OR
OSHA):NONE.

Effects of Overexposure:SKIN:IRRIT, DERM. EYE:IRRIT. INHAL:NASAL & RESP
IRRIT, DIZZ, WEAKNESS, FATIGUE, NAUSEA, HEADAHCES, ASPHYXIATION.
INGEST:GI TRACT IRRT, NAUSEA, VOMITING, DIARRHEA, ASPIRATION.
CHRONIC EFFECTS:EXCESSIVE EXPOSURE TO DIETHYLENE GLYCOL
MONOBUTYLEETHER MAY CAUSE LIVER, KIDNEY, & BLOOD EFFECTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

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

First Aid:SKIN:WASH W/SOAP & WATER. EYE:FLUSH W/WATER FOR @ LEAST
15MINS. CONTACT PHYSICIAN. INHAL:IF ADVERSE EFFECTS SUCH AS DIZZ,
NAU, IRRIT ARE NOTED, MOVE TO FRESH AIR. CONTACT PHYSICIAN.
INGEST:DO NOT INDUCE VOMTI. CONTACT PHSYCIAN IMMED.

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

Flash Point Method:PMCC

Flash Point:>220F,>104C

Lower Limits:SEE SUPPLEM

Upper Limits:SEE SUPPLEM

Extinguishing Media:USE FOAM

, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIRE FIGHTING IN A CONFINED SPACE.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSURED TO INTENSE HEAT SHOULD BE COOLED W/WATER TO PREVENT PRESSURE BUILD-UP WHICH COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release Procedures:SM SPILLS:SOAK UP W/ABSORBENT MATERIAL. LG SPILLS:ELIMINATE ALL SOURCES OF IGNITION. VA

PORS ARE HEAVIER THAN

AIR & MAY SPREAD LONG DISTANCES OR COLLECT IN LOW SPOTS. DIKE TO PREVENT RUNOFF, RECOVER LI UQID, SOAK UP REMAINING LIQ W/ABSORBENTMATERIAL.

Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Storage Precautions:DO NOT CUT/PUNCTURE/WELD ON EMPTY DURM CAUSE MAY CONTAIN EXPLOSIVE OR HARMFUL VAPS.STORE AWAY FROM STRONG OXIDIZERS.KEEP CNTNRS CLOSED WHEN NOT IN USE

Other Precautions:GRO

UND ALL EQMPT PUMPING MATL.PROTECT FROM STATIC

ELECT SPARKS/IGN SOURCES.DON'T STORE @ TEMPS >110F TO AVOID VAP PRESSURE IN CLSD CNTNRS.WHEN NORMAL NONDESTRUCTIVE TEST APPLICATION PRACTICES ARE USED @ AMB TEMP DON'T (CONTD IN SUPPLEMEN)

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

Respiratory Protection:GOOD INDUSTRIAL HYGIENE PRACT RECOMMEND ENGINEERING CNTRLS BE USED TO REDUCE ENVIRO CONCEN TO PEL.MSHA/NIOSH APPROVED RESP(AIR SUPP/AIR PURIFY)MAY BE U SED WHEN

ENGINEERING & WORK PRACT CNTRLS ARE NOT TECHN FEASIBLE/BEING INSTALL/FAIL/SUPPLE

Ventilation:LOCAL &/OR MECHANICAL VENTIALTION BE USED TO REDUCE ENVIRONMENTAL CONCEN TO PERMISSIBLE EXPOSURE LEVEL.

Protective Gloves:NEOPRENE,POLYVINYL ALCOHOL,NBR NITRILE.

Eye Protection:SAFETY GLASSES W/SIDE SHIELD,CHEM GOGGLE

Other Protective Equipment:APPROPIRATE CLOTHING TO AVOID SKIN CONTACT.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICES. LAUNDER CONTAMINATED CLOTHING

PRIOR TO REUSE.

Supplemental Safety and Health

FLAMM LIMITS IN AIR:HYDROCARBON NAPHTHA LEL=0.6,UEL=7;DIETHYLENE GLYCOL
MONOBUTYL ETHER LEL=0.9,UEL=24.6. CONT'D-ANTICIPATE EXCESSIVE
EXPOSURE LIMITS TO BE EXCEEDED.

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

HCC:V2

Boiling Pt.=237.2C, 459.F

Vapor Pres:2.10

Vapor Density:>1

Spec Gravity:0.92

Evaporation Rate & Reference: