

LHB INDUSTRIES -- PENETRATING FLUID

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MSDS Safety Information  
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FSC: 6850  
NIIN: 00-508-0076  
MSDS Date: 01/18/1996  
MSDS Num: CFMZL  
Product ID: PENETRATING FLUID  
MFN: 01  
Responsible Party  
Cage: OFTT5  
Name: LHB INDUSTRIES  
Address: 10440 TRENTON AVENUE  
City: ST LOUIS MO 63132  
Info Phon  
e Number: 314-423-4333  
Emergency Phone Number: 314-423-4333/800-424-9300 CHEMTREC  
Preparer's Name: EUGENE W. SCHAEFFER JR.  
Review Ind: Y  
Published: Y

=====  
Preparer Co. when other than Responsible Party Co.  
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Cage: OFTT5  
Assigned Ind: Y  
Name: LHB INDUSTRIES  
Address: 8833 FLEISCHER PLACE  
City: BERKELEYS MO 63134

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Contractor Summary  
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Cage: OFTT5  
Name: LHB INDUSTRIES  
Address: 8833 FLEISCHER PLACE  
City: BERKELEYS MO 63134  
Phone: 314-423-4333  
Cage: 1A864  
Name: LIGHTHOUSE FOR THE BLIND INC  
Address: 10440 TRENTON AVE  
City: ST. LOUIS MO 63132-1223  
Phone: 314-423-0139

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Item Description Information  
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Item Manager: GSA  
Item Name: PENETRATING FLUID  
Unit of Issue: BX  
Quantitativ

e Expression: 00000000024EA

UI Container Qty: G

Type of Container: PLASTIC

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Ingredients  
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Cas: 102-71-6

RTECS #: KL9275000

Name: TRIETHANOLAMINE

% Wt: 8.6

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 111-76-2

RTECS #: KJ8575000

Name: 2-BUTOXYETHANOL (SARA III)

% Wt: 0.8

Other REC Limits: NONE RECOMMENDED

OSHA

PEL: 25 PPM

ACGIH TLV: 25 PPM

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Health Hazards Data  
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LD50 LC50 Mixture: TLV 25 PPM

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: SKIN: IRRITATION. EYES: HARMFUL, REDNESS. INGEST: HARMFUL.

Medical Cond Aggravated By Exposure: OPEN CUTS AND SORES.

First Aid: SKIN: WASH WITH SOAP AND WATER. WASH CLOTHES B

EFORE REUSE. EYES:

FLUSH WITH WATER FOR 15 MINUTES AND CONSULT A PHYSICIAN/OPHTHALMOLOGIST

IMMEDIATELY. INGEST: GIVE LARGE AMOUNTS OF WATER OR MILK AND GET IMMED MED AID.

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Handling and Disposal  
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Spill Release Procedures: PICK UP SPILL WITH ABSORBENT MATERIAL. FLUSH AREA WITH WATER.

Waste Disposal Methods: IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

Hand

ling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions: USE IN WELL VENTILATED AREA. AVOID CONTACT WITH SKIN AND EYES. DO NOT TAKE INTERNALLY.

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Fire and Explosion Hazard Information  
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Flash Point Method: TCC

Flash Point Text: NONE

Lower Limits: NA

Upper Limits: NA

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

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Fire Fighting Procedures: USE NIOSH/MSHA BREATHING MASK. USE WATER SPRAY TO KEEP FIRE EXPOSED DRUMS COOL.

Unusual Fire/Explosion Hazard: PRODUCT WILL NOT BURN BUT MAY SPLATTER IF EXPOSED TO EXTREME HEAT.

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Control Measures  
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Respiratory Protection: NONE

Ventilation: LOCAL EXHAUST PREFERABLE, MECHANICAL (GENERAL) ACCEPTABLE.

Protective Gloves: RUBBER OR NEOPRENE

Eye Protection: CHEMICAL

SPLASH GOGGLES

Other Protective Equipment: PROTECTIVE CLOTHING. EYEWASH STATION.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. WASH HANDS AFTER HANDLING PRODUCT.

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Physical/Chemical Properties  
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B.P. Text: 200F,93C

M.P/F.P Text: NE

Vapor Pres: NE

Vapor Density: 1

Spec Gravity: 0.988

PH: 9-9.7

Viscosity: 1.5 CPS

Evaporation Rate & Reference: 1.0 (WATER=1)

Solubility in Water:

COMPLETE

Appearance and Odor: AMBER LIQUID W/MILD ODOR

Percent Volatiles by Volume: NE

Corrosion Rate: NA

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: EXTREME HEAT

Materials To Avoid: AVOID STRONG ACIDS OR OXIDIZERS.

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization Indicator: NO  
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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: OFTT5

Trans ID NO: 74233

Product ID: PENETRATING FLUID

MSDS Prepared Date: 01/18/1996

Review Date: 10/31/1997

MFN: 1

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: BX

Container QTY: G

Type Of Container: PLASTIC

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Detail DOT Information  
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information  
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCOM Label  
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Product ID: PENETRATING FLUID

Cage: OFTT5

Assigned IND: Y

Company Name: LHB INDUSTRIES

Street: 8833 FLEISCHER PLACE

City: BERKELEYS MO

Zipcode: 63134

Health Emergency Phone: 314-423-4333/800-424-9300 CHEMTREC

Label Required IND: Y

Date Of Label Review: 10/12/1999

Status Code: A

Origination Code: G

Hazard And Precautions: SKIN: IRRITATION. EYES: HARMFUL, REDNESS. INGEST:  
HARMFUL.  
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