

LHB INDUSTRIES -- SO-SURE PENETRATING FLUID

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MSDS Safety Information
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FSC: 6850
NIIN: 00-973-9091
MSDS Date: 04/17/1991
MSDS Num: BKBFK
Product ID: SO-SURE PENETRATING FLUID
MFN: 01
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LOUIS MO 63134
Info Phone Number: 314-522-3141
Emergency Phone Number: 314-522-3141/800-424-9300 CHEMTREC
Preparer's Name: RUDOLF OPPENHEIM
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LOUIS MO 63134

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Contractor Summary
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Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LOUIS MO 63134
Phone: 314-522-3141

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Item Description Information
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Item Manager: GSA
Item Name: PENETRATING FLUID
Unit of Issue: CN
Quantitative Expression: 0000000011OZ
UI Container Qty: B
Type of Container: AEROSOL

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Ingredi

ents

Name: M5-30 ANTI-FOAM

% Wt: .75

Other REC Limits: NONE SPECIFIED

Name: R18B

% Wt: 5.0

Other REC Limits: NONE SPECIFIED

OSHA PEL: 6 PPM

ACGIH TLV: 3 PPM

Cas: 107-41-5

RTECS #: SA0810000

Name: HEXYLENE GLYCOL

% Wt: 1.5

Other REC Limits: NONE SPECIFIED

OSHA PEL: C 25 PPM

ACGIH TLV: C 25 PPM; 9192

Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE

% Wt:

13.0

Other REC Limits: NONE SPECIFIED

OSHA PEL: 1000 PPM

ACGIH TLV: ASPHYXIAN; 9192

Cas: 75-28-5

RTECS #: TZ4300000

Name: ISOBUTANE

% Wt: 3

Other REC Limits: NONE SPECIFIED

ACGIH TLV: 800 PPM

Cas: 106-97-8

RTECS #: EJ4200000

Name: BUTANE

% Wt: 5

Other REC Limits: NONE SPECIFIED

OSHA PEL: 800 PPM

ACGIH TLV: 800 PPM; 9192

Name: MASLIP 500

% Wt: .90

Other REC Limits: NONE SPECIFIED

OSHA PEL: 25 PPM

ACGIH T

LV: 25 PPM

Cas: 102-71-6
RTECS #: KL9275000
Name: TRIETHANOLAMINE
% Wt: 6.0
Other REC Limits: NONE SPECIFIED

Cas: 77-92-9
RTECS #: GE7350000
Name: CITRIC ACID
% Wt: .07
Other REC Limits: NONE SPECIFIED
OSHA PEL: 15 MG/M3
ACGIH TLV: 10 MG/M3
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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Ca

rcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND
INHALING CONTENTS MAY BE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED
AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN
AND
NERVOUS SYSTEM DAMAGE. IN CONFINED AREAS, VAPORS IN HIGH CONCENTRATION ARE
ANESTHETIC. IRRITATION TO SKIN AND *

Signs And Symptoms Of Overexposure: *RESPIRATORY TRACT. OVEREXPOSURE MAY
RESULT IN LIGHT HEADEDNESS, S

TAGGERING GAIT, GIDDINESS AND POSSIBLE NAUSEA.

HARMFUL IF SWALLOWED. SEVERE EYE IRRITATION. IRRITATION TO EYES, THROAT AND
RESPIRATORY TRACT. MAY CAUSE HEADACHES, NAUSEA AND VOMITING.

Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS.

First Aid: SKIN OR CLOTHES CONTACT: WASH WITH SOAP AND WATER; WASH CLOTHES
BEFORE REUSE. EYES CONTACT: FLUSH WITH WATER FOR 15 MINUTES AND CONTACT A
PHYSICIAN/OPTHALMOLOGIST IMMEDIATELY. IF SWALLOWED, DO NOT INDUCE VOMITING.
GET IMMEDIATELY MEDIC

AL AID. IF INHALED, REMOVE TO FRESH AIR AND GIVE
ARTIFICIAL RESPIRATION IF NECESSARY AND GET MEDICAL AID. NEVER GIVE ANYTHING
BY MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA.
MOP SPILLS WITH INERT ABSORBENT. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE OF PER FEDERAL, STATE & LOCAL
REGS. DO NOT

PUNCTURE, INCINERATE (BURN) OR STORE ABOVE 120F. EXPOSURE TO HEAT OR
PROLONGED EXPOSURE TO SUN MAY CAUSE CAN TO BURST. DISCARD EMPTY CAN IN TRASH
BIN. DO NOT PLACE IN HOME TRASH COMPACTOR.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN!

CAUTION-CONTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMPERATURES MAY
EXCEED

120F/48.9C. AVOID CONTACT W/EYES AND SKIN.

Other Precautions: AVOID BREATHING SPRAY, MIST OR VAPOR. USE W/GOOD
VENTILATION. READ ENTIRE LABEL

BEFORE USING. FOLLOW ALL LABEL DIRECTIONS.

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ONTENTS MAY BE HARMFUL OR FATAL.

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Fire and Explosion Hazard Information
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Flash Point Text: NR

Autoignition Temp Text: 467.8

Lower Limits: 1.8

Upper Limits: 9.5

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND, WATER SPRAY.

AVOID SPREADING ANY BUR
NING LIQUID WITH WATER SPRAY.

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE & MAY BE USED TO KEEP
FIRE EXPOSED CNTNRS COOL. WEAR SCBA. USE SHIELDING TO PROTECT PERSONNEL FROM
BURSTING, RUPTURING, VENTING CNTNRS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. AT ELEVATED
TEMPERATURE (OVER 120F/48.9C) CONTAINERS MAY VENT, RUPTURE OR BURST. AEROSOL
CONTAINER; DO NOT EXPOSE TO TEMP > 120F.

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Control Measures
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Respiratory Protection: NONE BELOW TLV. USE NIOSH/MSHA APPROVED MASK ABOVE TLV.
Ventilation: LOCAL EXHAUST: PREFERRED. MECHANICAL (GENERAL): ACCEPTABLE AT
POINT OF MIST OR SPRAY RELEASE.
Protective Gloves: TO PROTECT SKIN.
Eye Protection: CHEMICAL SPLASH GOGGLES.
Other Protective Equipment: IMPERVIOUS CLOTHES TO PROTECT SKIN. EYE WASH
STATION.
Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. DO NOT EAT, DRINK OR SMOKE
WHILE USING PRODUCT.

Physical/Chemical Properties

HCC: V3
Vapor Pres: 80PSIG/70F
Vapor Density: >1
Spec Gravity: 1.01
PH: 9.4
Viscosity: 1.5 CS
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR/MILD
Percent Volatiles by Volume: 100

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: EXTREME HEAT.
Hazardous Decomposition Products: CARBON MONOXIDE AND POSSIBLE HYDROGEN
CHLORIDE.
Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Tran

sport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party

Cage: 0FTT5

Trans ID NO: 95997

Product ID: SO-SURE PENETRATING FLUID

MSDS Prepared Date: 04/17/1991

Review Date: 10/16/1991

MFN: 1

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: B

Type Of Container: AEROSOL

Detail DOT Information

DOT PSN Code: DTJ

Symbols: D

DOT Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

Label: NONE

Non Bulk Pack: 156,306

Bulk

Pack: NONE

Max Qty Pass: 30KGGROSS

Max Qty Cargo: 30KGGROSS

Vessel Stow Req: A

Detail IMO Information

IMO PSN Code: AKH

IMO Proper Shipping Name: AEROSOLS/AEROSOL PRODUCT ?

IMDG Page Number: SEE 9022

UN Number: 1950

UN Hazard Class: 9?

IMO Packaging Group: -

Subsidiary Risk Label: -

EMS Number: 2-13

Detail IATA Information

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IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 203
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Detail AFI Information
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AFI PSN Code: ALS
AFI Proper Shipping Name: AEROSOLS, NONFLAMMABLE, N.O.S.
AFI PSN Modifier: CONTAINING SUBSTANCES IN CLASS 8, PACKING GROUP I OR II
AFI Hazard Class: FORB
Back Pack Reference: FORBIDDEN
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HAZCOM Label
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Cage: 0FTT5
Company Name: LHB INDUSTRIES
Street: 8833 FLEISCHER PLACE
City: ST. LOUIS MO
Zipcode: 63134
Health Emergency Phone: 314-522-3141/800-424-9300 CHEMTREC
Label Required IND: Y
Date Of Label Review: 12/16/1998
Status Code: C
Label Date: 12/16/1998
Origination Code: G
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