

LHB INDUSTRIES -- SO-SURE PENETRATING FLUID, AEROSOL, 0354-000,

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MSDS Safety Information  
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FSC: 6850  
NIIN: 00-973-9091  
MSDS Date: 03/20/1996  
MSDS Num: CBTSD  
Product ID: SO-SURE PENETRATING FLUID, AEROSOL, 0354-000, #0352F800  
MFN: 03  
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: 00000000011OZ  
UI Container Qty: B  
Type of Container: AEROSOL  
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Ingredients

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Cas: 107-41-5  
RTECS #: SA0810000  
Name: HEXYLENE GLYCOL  
% Wt: &lt;1.62  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: NOT EST.  
ACGIH TLV: 25 PPM

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Cas: 74-98-6  
RTECS #: TX2275000  
Name: PROPANE  
% Wt: 1.64  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM

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Cas: 75-28-5  
RTECS #: TZ4300000  
Name: ISOBUTANE  
% Wt: 2.05  
Other REC Limits:  
NONE SPECIFIED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: 800 PPM

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Cas: 106-97-8  
RTECS #: EJ4200000  
Name: N-BUTANE  
% Wt: 3.15  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 800 PPM  
ACGIH TLV: 800 PPM

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RTECS #: 9999999VO  
Name: VOC: 16%; 147 G/L  
% Wt: NA  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: NA  
ACGIH TLV: NA

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Cas: 111-42-2  
RTECS #: KL2975000  
Name: DIETHANOLAMINE (SARA 313) (CERCLA)  
% Wt: &lt;3.63  
Other REC Limits:

NONE RECOMMENDED

OSHA PEL: 3 PPM

ACGIH TLV: 0.46 PPM; 9495

EPA Rpt Qty: 1 LB

DOT Rpt Qty: 1 LB

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Cas: 141-43-5

RTECS #: KJ5775000

Name: ETHANOLAMINE

% Wt: &lt;1.22

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 3 PPM

ACGIH TLV: 3 PPM/6 STEL; 9495

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: N

O

IARC: NO

OSHA: NO

Effects of Exposure: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING/INHALING CONTENTS MAY BE HARMFUL/FATAL. REPORTS HAVE ASSOCIATED REPEATED/PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS W/ PERMANENT BRAIN/NERVOUS SYSTEM DAMAGE. IN CONFINED AREA VAPORS IN HIGH CONCENTRAT

Signs And Symptions Of Overexposure: IRRITATION TO EYES, THROAT, AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING. \*OVEREXPOSURE MAY RESULT IN LIGHT HEADEDNESS, STAGGER, GIDDINE SS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRITATION.

Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS.

First Aid: SKIN/CLOTHES: WASH W/SOAP/WATER; WASH CLOTHES BEFORE REUSE. EYES: FLUSH WITH WATER FOR 15 MINUTES/CONTACT PHYSICIAN/OPHTHALMOLOGIST IMMEDIATELY. INGEST: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL A ID. INHALE: REMOVE TO FRESH AIR/GIVE ARTIFICIAL RESPIR

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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: IN ACCORDANCE WITH APPLICABLE LOCAL/STATE/FEDERAL REGS.  
DO NOT PUNCTURE/INCINERATE/STORE ABOVE 120F. EXPOSURE TO HEAT/ PROLONGED  
EXPOSURE TO SUN MAY CAUSE CAN TO BURST. DISCARD EMPTY CAN IN TRASH PICK -UP.  
DO NOT PLACE IN HOME TRASH COMPACTOR.

Handling And Storage Precautions: KEEP OUT REACH OF CHILDREN. CO  
NTENTS UNDER

PRESSURE. DO NOT STORE WHERE TEMPERATURES MAY EXCEED 120F. AVOID BREATHING  
SPRAY/MIST/VAPOR.

Other Precautions: AVOID CONTACT WITH EYES AND SKIN. USE WITH GOOD VENTILATION.  
READ ENTIRE LABEL BEFORE USING. FOLLOW ALL LABEL DIRECTIONS. INTENTIONAL  
MISUSE BY DELIBERATELY CONCENTRATING AND INHALING OR SWALLOWING CO NTENT MAY  
BE HARMFUL OR FATAL.

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Fire and Explosion Hazard Information  
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Flash Point Method: TOC

Flash Point Text: NR

Lower Limits: 1.8

Upper Limits: 9.5

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND, WATER SPRAY.  
AVOID SPREADING ANY BURNING LIQUID WITH WATER SPRAY.

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE/USED TO COOL CONTAINERS.  
WEAR SCBA. USE SHIELDING TO PROTECT PERSONNEL AGAINST BURSTING/  
RUPTURING/VENTING OF CONTAINERS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. AT ELEVATED  
TEMPERATURE (OVER 1

20F) CONTAINERS MAY VENT/RUPTURE/BURST. AEROSOL CONTAINER:  
DO NOT EXPOSE TO TEMPERATURE ABOVE 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: ACCEPTABLE AT POINT OF MIST  
OR SPRAY RELEASE.

Protective Gloves: TO PROTECT SKIN

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protecti

ve Equipment: IMPERVIOUS CLOTHING TO PROTECT SKIN. EYE WASH STATION.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. DO NOT EAT, DRINK, OR SMOKE WHILE USING PRODUCT.

Supplemental Safety and Health: SPECIFIC GRAVITY, AEROSOL = 0.945

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Physical/Chemical Properties  
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HCC: V3

B.P. Text: >212F,>100C

Vapor Pres: 45 @ 68 F

Vapor Density: >1.5

Spec Gravity: 1.003 COMPOUND

PH: 9.5

Viscosity: <1.5 CS

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR/MILD

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: EXTREME HEAT

Hazardous Decomposition Products: CARBON MONOXIDE, AND POSSIBLE HYDROGEN CHLORIDE.

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: 0FTT5  
Trans ID NO: 95999  
Product ID: SO-SURE PENETRATING FLUID, AEROSOL, 0354-000, #0352F800  
MSDS Prepared Date: 03/20/1996  
Review Date: 09/20/1996  
MFN: 3  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CN  
Container QTY: B  
Type Of Container: AE  
ROSOL

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Detail DOT Information  
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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

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Detail IMO Information  
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IMO PSN C  
ode: 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

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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: FL

AMMABLE 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: ALR  
AFI Symbols: \*  
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.  
AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)  
AFI Hazard Class: 2.1  
AFI UN ID NUM: UN1950  
Special Provisions: P4  
Back Pack Reference: A6.3  
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HAZCOM Label  
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Product ID: SO-SURE PENETRATING FLUID, AEROSOL, 0354-000, #0352F800  
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: 10/12/1999  
Status Code: A  
Origination Code: G  
Hazard And Precautions: INTENTIONAL MISUSE BY DELIBERATELY  
CONCENTRATING/  
INHALING CONTENTS MAY BE HARMFUL/FATAL. REPORTS HAVE ASSOCIATED  
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