

LHB INDUSTRIES -- SO SURE PENETRATING FLUID, AEROSOL

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MSDS Safety Information  
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FSC: 6850  
NIIN: 00-973-9091  
MSDS Date: 07/16/1992  
MSDS Num: BNTNN  
Product ID: SO SURE PENETRATING FLUID, AEROSOL  
MFN: 02  
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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Name: MS-30 (ANTI-FOAM)

% Wt: .88

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Name: R18B (RUST INHIBITER)

% Wt: 5.83

Other REC Limits: NONE SPECIFIED

OSHA PEL: 6 PPM

ACGIH TLV: 3 PPM

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Cas: 107-41-5

RTECS #: SA0810000

Name: HEXYLENE GLYCOL

% Wt: 1.59

Other REC Limits: NONE SPECIFIED

OSHA PEL: 25 PPM

ACGIH TLV: 25 PPM

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Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE

% Wt: 13.0

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: 3

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: 5

Other REC Limits: NONE SPECIFIED

OSHA PEL: 800 PPM

ACGIH TLV: 800 PPM

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Name: MAZLIP 500  
% Wt: 1.06  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 25 PPM  
ACGIH TLV: 25 PPM

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Cas: 102-71-6  
RTECS #: KL9275000  
Name: TRIETHANOLAMINE (85%)  
% Wt: 7.07  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 7664-38-2  
RTECS #: TB6300000  
Name: PHOSPHORIC ACID  
% Wt: .07  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 1 MG/M3/3  
ACGIH TLV: 1 MG/M3/3  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 L  
BS

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RTECS #: 9999999VO  
Name: VOC: 11%; 97.2 G/L  
Other REC Limits: NONE SPECIFIED

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
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 SYST EM DAMAGE. IN CONFINED AREA VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC. IRRITATION TO SKIN/RESPIRATORY TRACT. \*

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, GIDDINESS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EY E 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 RESPIRATION IF NECESSARY/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: 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. CONTENTS 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 Text: NR

Autoignition Temp Text: 874F

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 120F) CON

TAINERS 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 Protective Equip

ment: IMPERVIOUS CLOTHING TO PROTECT SKIN. EYE WASH  
STATION.

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

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Physical/Chemical Properties  
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HCC: V3

Vapor Pres: 45 @ 68 F

Vapor Density: >1.5

Spec Gravity: 1.01 COMPOUND

PH: 9.4

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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Ecologi

cal Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 0FTT5  
Trans ID NO: 95998  
Product ID: SO SURE PENETRATING FLUID, AEROSOL  
MSDS Prepared Date: 07/16/1992  
Review Date: 08/18/1992  
MFN: 2  
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

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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: 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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Product ID: SO SURE PENETRATING FLUID, AEROSOL  
Cage: 0  
FTT5  
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: 08/12/1994  
Status Code: C  
MFG Label NO: NOT RELEVANT  
Label Date: 08/12/1994  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Health Hazard: Moderate  
Contact Hazard: Moderate  
Fire Hazard: Severe  
Reactivity Hazard: None  
Hazard And Precautions: TARGET ORGANS:EYE

S, SKIN, CNS, RESPIRATORY TRACT. ACUTE

& CHRONIC- INTENTIONAL ABUSE MAY BE HARMFUL/FATAL. IN CONFINED AREAS VAPORS IN HIGH CONCENTRATIONS ARE ANESTHETIC. MAY CAUSE SEVERE EYES IRRITATION. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED. MAY CAUSE PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. STORE IN COOL, WELL VENTILATED AREAS AWAY FROM SOURCES OF IGNITION. ABSORB SPILL WITH NON-FLAMMABLE ABSORBENT. FIRST AID- GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REM

OVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKI N:WASH WITH SOAP & WATER. ORAL:CALL DOCTOR AT ONCE

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