

LHB INDUSTRIES -- DEICER-DEFROSTING FLUID

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MSDS Safety Information
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FSC: 6850
NIIN: 00-835-0484
MSDS Date: 07/16/1992
MSDS Num: BNTLS
Product ID: DEICER-DEFROSTING FLUID
MFN: 03
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LOUIS MO 63134
In
fo 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: DEICING-DEFROSTING FLUID
Specification Number: O-D-190B
Unit of Issue: CN
Quantitative Expression: 00000000016OZ
UI Container Qty: L
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Ingredients

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 Cas: 67-56-1
 RTECS #: PC1400000
 Name: METHYL ALCOHOL (SARA 313)
 % Wt: 52
 Other REC Limits: NONE SPECIFIED
 OSHA PEL: S,200PPM/250STEL
 ACGIH TLV: S,200PPM/250STEL; 93
 EPA Rpt Qty: 5000 LBS
 DOT Rpt Qty: 5000 LBS

 RTECS #: 9999999VO
 Name: VOC: 51%; 458 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: EYES: SEVERE IRRITATION/REDNESS/TEARING/BLURRED VISION.
 SKIN: PROLONGED/REPEATED CONTACT; MODERATE IRRITATION/DEFATTING/DERMATITIS.
 INHALE: NASAL/RESPIRATORY IRRITATION/CENTRAL NERVOUS SYSTEM EFFECTS/
 DIZZINESS/NAUSEA/UNCONSCIOUSNESS/DEATH.INGEST: GASTROINTESTINAL
 IRRITATION/NAUSEA/VOMITING/DIARRHEA/BLINDNESS/DEATH.

Signs And Symptoms

Of Overexposure: IRRITATION TO EYES/THROAT/RESPIRATORY
 TRACT. MAY CAUSE HEADACHES/NAUSEA/VOMITING.

Medical Cond Aggravated By Exposure: OPEN CUT AND SORES.

First Aid: SKIN/CLOTHES: WASH W/SOAP/WATER; WASH CLOTHES BEFORE REUSE. EYES:
 FLUSH W/WATER FOR 15 MINUTES/CONTACT PHYSICIAN/OPHTHALMOLOGIST IMMEDIATELY.
 INGEST: GIVE LARGE AMOUNTS WATER/MILK/INDUCE VOMITING. GET IMMEDIATE MEDICAL
 ATTENTION. INHALE: REMOVE TO FRESH AIR/GIVE ARTIFICIAL RESPIRATION IF
 NECESSARY. GET MEDICAL AID IF NEC

ESSENTIAL. 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. PICK UP SPILLAGE WITH INERT ABSORBENT MATERIAL AND SWEEP UP TO A CLOSABLE CONTAINER. AVOID BREATHING VAPORS. DO NOT CONTAMINATE FOOD/FEED/WATERWAYS.

Waste Disposal Methods: DISPOSE IN ACCORDANCE W/APPLICABLE LOCAL, STATE AND 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 OF REACH OF CHILDREN. CAUTION-CONTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMPERATURES EXCEED 120F.

AVOID BREATHING SPRAY/MIST/VAPOR.
Other Precautions: AVOID CONTACT W/EYES/SKIN. USE WITH GOOD VENTILATION. READ ENTIRE LABEL BEFORE USING. FOLLOW ALL LABEL DIRECTIONS. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING OR SWALLOWING CONTENTS MAY BE HARMFUL OR FATAL.

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Fire and Explosion Hazard Information
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Flash Point Text: NR

Lower Limits: .3

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

Fire Fighting Procedures: WATER INEFFECTIVE BUT USED TO KEEP EXPOSED CONTAINERS COOL. WEAR SCBA W/FULL FACEPIECE. USE SHIELDING TO PROTECT PERSONNEL FROM RUPTURE/BURST/VENT CONTAINERS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. AT ELEVATED TEMPERATURES (OVER 120F) CONTAINERS MAY VENT/RUPTURE/BURST. AEROSOL CONTAINER, DO NOT EXPOSE TO TEMPERATURES 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 Equipment: IMPERVIOUS CLOTHES TO PROTECT SKIN. EYEWASH STATION.
Work Hygienic Practices: USE GOOD HYGIENE. DO NOT EAT, DRINK OR SMOKE WHILE USING PRODUCT.

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Physical/Chemical Properties
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HCC: V3
B.P. Text: 170F,76C
M.P/F.P Text: -66F,-54C
Vapor Pres: 52 @ 20 C
Vapor Density: 1.1
Spec Gravity: .879 (WATER=1)
Viscosity: 15.7 CPS
Evaporation Rate & Reference: 3.1 (BU AC=1)
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR THIN LIQUID; ALCOHOL ODOR.

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Reactivity Data
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Stability Indicator: YES
Stability Condition To
Avoid: EXTREME HEAT.
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS SUCH AS NITRATES, PERCHLORATES OR SULFURIC ACID.
Hazardous Decomposition Products: TOXIC GASES AND VAPORS (CARBON MONOXIDE, GORMALDEHYDE) MAY BE RELEASED IN METHANOL FIRE.
Hazardous Polymerization Indicator: NO

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Toxicological Information
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Ecol
gical 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: 87837
Product ID: DEICER-DEFROSTING FLUID
MSDS Prepared Date: 07/16/1992
Review Date: 08/18/1992
MFN: 3
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CN
Container QTY: L
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Detail DOT Information
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DOT PSN Code: DTJ
Symbo
Is: 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 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 L
abel: -
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: DEICER-DEFROSTING FLUID
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
Hazard And Precautions: EYES: SEVERE IRRITATION/REDNESS/TEARING/BLURRED VISION.
SKIN: PROLONGED/REPEATED CONTACT; MODERATE IRRITATION/DEFATTING/DERMATITIS.
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IRRITATION/NAUSEA/VOMITING/DIARRHEA/BLINDNESS/DEATH. IRRITATION TO
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