

LHB INDUSTRIES -- DEICER-DEFROSTING FLUID, #0342F800

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MSDS Safety Information  
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FSC: 6850  
NIIN: 00-835-0484  
MSDS Date: 02/27/1996  
MSDS Num: CBTRJ  
Product ID: DEICER-DEFROSTING FLUID, #0342F800  
MFN: 04  
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: 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: 51.74  
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

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RTECS #: 9999999VO  
Name: VOC: 52%; 459 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 EFFECT  
S/DIZZINESS/NAUSEA/UNCONSCIOUSNESS/DEATH. INGEST: GASTROINTESTINAL IRRIT,  
NAUSEA, VOMITING, DIARRHEA, BLINDNESS, DEATH.

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ns And Symptions 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. GE T IMMEDIATE MEDICAL  
ATTENTION. INHALE: REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF  
NECESSARY. GET

MED AID IF NECESSARY. NEVER GIVE ANYTHING BY MOUTH TO 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 T RASH PICK-UP. DO NOT PLACE IN HOME TRASHCOMPACTOR.

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 Method: TOC

Flash Point Text: 84.0F,28.9C

Lower Limits: 5.5

Upper Limits: 36.5

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.

Physical/Chemical Properties

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: .887 (WATER=1)  
Evaporation Rate & Reference: 3.1 (BUAC=1)  
Solubility in Water: COMPLETE  
Appearance and Odor: CLEAR THIN LIQUID; ALCOHOL ODOR.

Reactivity Data

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, FORMALDEHYDE) MAY BE RELEASED IN METHANOL FIRE.  
Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

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Transportation Information  
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Responsible Party Cage: 0FTT5  
Trans ID NO: 87838  
Product ID: DEICER-DEFROSTING FLUID, #0342F800  
MSDS Prepared Date: 02/27/1996  
Review Date: 09/23/1996  
MFN: 4  
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  
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 Code: AKH  
IMO Proper Shipping Name: AEROSOLS/AEROSOL PRODUCT ?  
IMDG Page Number: SEE 9022  
UN Number: 1950  
UN H  
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: 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: DEICER-DEFROSTING FLUID, #0342F800  
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: EYES: SEVERE IRRITATION/REDNESS/TEARING/ BLURRED VISION. SKIN: PROLONGED/REPEATED CONTACT; MODERATE IRRITATION/ DEFATTING/DERMATITIS. INHALE: NASAL/RESPIRATORY IRRITATION/CENTRAL NERVOUS SYSTEM EFFECT S/DIZZINESS/NAUSEA/UNCONSCIOUSNESS/DEATH. INGEST: GASTROINTESTINAL IRRIT, NAUSEA, VOMITING, DIARRHEA, BLINDNESS, DEATH.  
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