

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

MSDS Safety Information

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 M

O 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

Preparer Co. when other than Responsible Party Co.

Cage: 0FTT5

Name: LHB INDUSTRIES

Address: 8833 FLEISCHER PLACE

City: ST. LOUIS MO 63134

Contractor Summary

Cage: 0FTT5

Name: LHB INDUSTRIES

Address: 8833 FLEISCHER PLACE

City: ST. LOUIS MO 63134

Phone: 314-522-3141

Item Description Information

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.

## Sign

s 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 L

OCAL, 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 BEF

ORE 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 BURNI  
NG 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 NO 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: .887 (WATER=1)

Evaporation Rate & Reference: 3.1 (BUAC=1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR THIN LIQUID; ALCOHOL ODOR.

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Reactivity Data

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Sta

bility 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

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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: 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 Ha  
zard 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

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