

LHB INDUSTRIES -- SO-SURE OLIVE DRAB 14084 (44-141) P/N 042C841

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MSDS Safety Information  
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FSC: 8010  
NIIN: 00-846-5117  
MSDS Date: 08/01/1993  
MSDS Num: BTGFR  
Product ID: SO-SURE OLIVE DRAB 14084 (44-141) P/N 042C841  
MFN: 05  
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: 800-424-9300 CHEMTREC/ 314-522-3141  
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: ENAMEL  
Specification Number: TT-E-489H  
Type/Grade/Class: NA  
Unit of Issue: PT  
UI Container Qty: 0

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Ingredient

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Cas: 100-41-4  
RTECS #: DA0700000  
Name: ETHYL BENZENE (SARA III)  
% Wt: &lt;1.49  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 100 PPM  
ACGIH TLV: 100 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS  
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Cas: 108-88-3  
RTECS #: XS5250000  
Name: TOLUENE (SARA III)  
% Wt: 14.66  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 200 PPM  
ACGIH TLV: 100 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS  
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Cas:  
67-64-1  
RTECS #: AL3150000  
Name: ACETONE (SARA III)  
% Wt: 24.54  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 750 PPM  
ACGIH TLV: 1000 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 1330-20-7  
RTECS #: ZE2100000  
Name: XYLENE (SARA III)  
% Wt: 2.98  
Other REC Limits: NONE SPECIFI  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: 100 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS  
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Cas: 74-98-6  
RTECS #: TX2275000  
Name: PROPANE  
% Wt: 18.88  
Other REC Li

imits: NONE SPECIFI  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM

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Cas: 75-28-5  
RTECS #: TZ4300000  
Name: ISOBUTANE  
% Wt: 7.43  
Other REC Limits: NONE SPECIFI  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: 800 PPM

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Cas: 106-97-8  
RTECS #: EJ4200000  
Name: N-BUTANE  
% Wt: 4.64  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 800 PPM  
ACGIH TLV: 800 PPM

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Cas: 64475-85-0  
RTECS #: PY8240000  
Name: MINERAL SPIRITS  
% Wt: &lt;1.49  
Other REC Limit  
s: NONE SPECIFI  
OSHA PEL: 100 PPM  
ACGIH TLV: 100 PPM

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Cas: 64742-95-6  
RTECS #: SE7546000  
Name: AROMATIC 100  
% Wt: &lt;1.49  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 50 PPM  
ACGIH TLV: 50 PPM

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Cas: 78-93-3  
RTECS #: EL6475000  
Name: METHYL ETHYL KETONE (SARA III)  
% Wt: 1.49  
Other REC Limits: NONE SPECIFI  
OSHA PEL: 200 PPM  
ACGIH TLV: 200 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS

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Cas: 110-12-3  
RTECS #: MP38

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Name: ISOAMYL METHYL KETONE

% Wt: 1.49

Other REC Limits: NONE SPECIFI

OSHA PEL: 50 PPM

ACGIH TLV: 50 PPM

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Cas: 8032-32-4

RTECS #: OI6180000

Name: PETROLEUM HYDROCARBON MIX LIGROIN

% Wt: &lt;1.49

Other REC Limits: NONE SPECIFI

OSHA PEL: 100 PPM

ACGIH TLV: 100 PPM

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RTECS #: 9999999VO

Name: VOC: 82%

Other REC Limits: NONE SPECIFI

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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: CONCENTRATING & INHALING CONTENTS HARMFUL/FATAL.

REPEATED/PROLONGED OVEREXPOSURE ASSOCIATED WITH PERMANENT BRAIN & NERVOUS

SYSTEM DAMAGE. IN CONFINED AREAS, HIGH CONCENTRATIONS ARE ANESTHETIC. SKIN & RESPIRATORY TRACT IRRITATION. LIGHT HEADED, STAGGERING, GIDDINESS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRITATION

Signs And Symptoms Of Overexposure: IRRITATION TO EYES, THROAT, AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING.

Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS

First Aid: FOR CONTACT WITH SKIN OR CLOTHES, WASH WITH SOAP & WATER; WASH CLOTHES BEFORE REUSE. FOR CONTACT WITH EYES, FLUSH WITH WATER FOR 15 MINUTES. CONTACT A PHYSICIAN/OPHTHALMOLOGIST IMMEDIATELY. IF SWALLOW ED, DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL AID. IF INHALED, REMOVE TO FRESH AI

R. GIVE

ARTIFICIAL RESPIRATION IF NECESSARY. GET MEDICAL AID. 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. MOP SPILLS WITH INERT ABSORBENT. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE IN ACCORD WITH FEDERAL, STATE, LOCAL REGULATIONS. DO NOT PUNCTURE, INCINERATE OR STORE ABOVE 120F. EXPOSURE TO

HEAT OR 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. CONTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMPERATURES MAY EXCEED 120F. AVOID BREATHING SPRAY, MIST OR 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 & 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

Autoignition Temp Text: 874 F

Lower Limits: 1.8

Upper Limits: 9.5

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND, WATER SPRAY

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE, USE TO COOL FIRE EXPOSED CONTAINERS. WEAR SCBA. USE SHIELDING TO PROTECT PERSONNEL FROM BURSTING, RUPTURING, OR VENTING OF CONTAINERS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. AT ELEVATED TEMPERATURES (>120F) CONTAINERS MAY VENT, RUPTURE, OR BURST. AEROSOL CONTAINER; DON'T 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 (GENERAL): 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. 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: 60 @ 68F  
Vapor Density: >1.5  
Spec Gravity: 0.903 (WATER=1)  
Solubility in Water: INSOLUBLE  
Appearance and Odor: OLIVE DRAB / PAINT  
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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 Indica  
tor: 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 Informatio  
n  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 0FTT5  
Trans ID NO: 88500  
Product ID: SO-SURE OLIVE DRAB 14084 (44-141) P/N 042C841  
MSDS Prepared Date: 08/01/1993  
Review Date: 12/30/1993  
MFN: 5  
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Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: PT  
Container QTY: 0

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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 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: (E  
ACH 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: SO-SURE OLIVE DRAB 14084 (44-141) P/N 042C841

Cage: 0FTT5

Company Name: LHB INDUSTRIES

Street: 8833 FLEISCHER PLACE

City: ST. LOUIS MO

Zipcode: 63134

Health Emergency Phone: 800-424-9300 CHEMTREC/ 314-522-3141

Label Required IND: Y

Date Of Label Review: 12/16/1998

Status Code: C

Label Date: 12/16/1998

Origination Code:

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Hazard And Precautions: CONCENTRATING & INHALING CONTENTS HARMFUL/FATAL.

REPEATED/PROLONGED OVEREXPOSURE ASSOCIATED WITH PERMANENT BRAIN & NERVOUS

SYSTEM DAMAGE. IN CONFINED AREAS, HIGH CONCENTRATIONS ARE ANESTHETIC. SKIN & RESPIRATORY TRACT IRRITATION. LIGHT HEADED, STAGGERING, GIDDINESS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRITATION. IRRITATION TO EYES, THROAT, AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING.

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