

LHB INDUSTRIES -- SO-SURE OLIVE DRAB LACQUER 34088 (174-341)

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MSDS Safety Information  
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FSC: 8010  
NIIN: 00-941-8712  
MSDS Date: 02/01/1993  
MSDS Num: BPGCD  
Product ID: SO-SURE OLIVE DRAB LACQUER 34088 (174-341)  
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 Name: LACQUER  
Specification Number: MIL-L-19538  
Type/Grade/Class: NONE  
Type of Container: METAL

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Ingredients  
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Cas: 108-94-1  
RTECS #: GW1050000  
Name: CYCLOHEXANONE  
% Wt: 1.77  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: S, 50 PPM  
ACGIH TLV: S, 25 PPM; 9293  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 78-93-3  
RTECS #: EL6475000  
Name: METHYL ETHYL KETONE (SARA 313)  
% Wt: 3.55  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 200 PPM  
ACGIH TLV: 200 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 117-81-7  
RTECS #: T10  
350000  
Name: DI-2-ETHYLHEXYL-PHTHALATE (SARA 313)  
% Wt: 1.77  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
EPA Rpt Qty: 100 LBS  
DOT Rpt Qty: 100 LBS  
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Cas: 110-19-0  
RTECS #: AI4025000  
Name: ISOBUTYL ACETATE  
% Wt: 10.64  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 150 PPM  
ACGIH TLV: 150 PPM  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 763-69-9  
RTECS #: UF3325000  
Name: PROPANOIC ACID,3-ETHOXY-ETH.

EST (SARA 313)

% Wt: 1.77

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

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Cas: 1308-38-9

RTECS #: GB6475000

Name: CHROMIUM III OXIDE (SARA 313)

% Wt: 1.77

Other REC Limits: NONE SPECIFIED

OSHA PEL: 0.5 MG/M3

ACGIH TLV: 0.5 MG/M3

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Cas: 7758-97-6

RTECS #: GB2975000

Name: LEAD CHROMATE (SARA 313)

% Wt: &lt;1.77

Other REC Limits: NONE SPECIFIED

OSHA PEL: 0.01 MG/M3

ACGIH TLV: 0.05 MG/M3

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Cas: 67-64-1

RTECS #: AL3150000

Name: ACETONE (SARA 313)

% Wt: 44.73

Other REC Limits: NONE SPECIFIED

OSHA PEL: 1000PPM

ACGIH TLV: 750PPM/1000STEL;9293

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

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Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE

% Wt: 19.79

Other REC Limits: NONE SPECIFIED

OSHA PEL: 1000 PPM

ACGIH TLV: 1000 PPM

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RTECS #: 9999999VO

Name: VOC: 673 G/L

Other REC Limits: NONE SPECIFIED

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Health Hazards Data  
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: NO

Effects of Exposure: TARGET ORGANS:EYES, 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 IRRITAT

ON. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED.

OVEREXPOSURE MAY CAUSE PERMANENT BRAIN & CNS DAMAGE.

Explanation Of Carcinogenicity: CONTAINS CHROMIUM AND LEAD.

Signs And Symptoms Of Overexposure: EYES, SKIN, RESPIRATORY TRACT IRRITATION,  
HEADACHE, DIFFICULTY IN BREATHING, NAUSEA, VOMITING,

Medical Cond Aggravated By Exposure: PREEXISTING RESPIRATORY DISORDERS

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF N

EEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES,

HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INGESTION:DO NOT  
INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY  
MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal  
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Spill Release Procedures: LEAKING CONTAINERS SHOULD BE PLACED OUTDOORS, IN AN  
OPEN CONTAINER, AWAY FROM SOURCES OF IGNITION. ALLOW PR  
ESSURE TO DISSIPATE.

VENTILATE AREA. ABSORB LIQUID WITH NON-FLAMMABLE ABSORBENT MATERIALS AND  
PLACE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND  
FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS. DISPOSE OF EMPTY  
CANS IN TRASH PICK-UP. DO NOT PLACE IN HOME TRASH COMPACTOR.

Handling And Storage Precautions: STORE SPRAY CANS IN COOL, WELL VENTILATED  
AREAS AWAY FROM SOURCES OF IGNITION SUC

H AS SPARKS, FLAMES, WELDING ARCS,  
SUNLIGHT. DO NOT STORE ABOVE 120F.

Other Precautions: "EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE DANGEROUS. DO NOT CUT, WELD, SOLDER, DRILL/EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY. AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN.

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Fire and Explosion Hazard Information  
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Flash Point

Text: FLAMMABL AEROSOL

Autoignition Temp Text: 874 F

Lower Limits: 1.8

Upper Limits: 9.5

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

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE INEFFECTIVE, BUT SHOULD NE USED TO COOL FIRE-EXPOSED CONTAINER

Unusual Fire/Explosion Hazard: SPRAY CANS UNDER PRESSURE. EXTREMELY FLAMMABLE. EXPLOSI

ON HAZARD EXISTS WHEN SPRAY CANS HEATED. DO NOT ENTER SPRAY CAN STORAGE AREA IF FIRE PRESENT.

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Control Measures  
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Respiratory Protection: IF TLV IS EXCEEDED, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATIO  
N BELOW TLV.

LOCAL EXHAUST PREFERRED.

Protective Gloves: PLASTIC, RUBBER, NEOPRENE

Eye Protection: CHEMICAL SAFETY GOGGLES IF SPRAYING

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices: USE ONLY AS DIRECTED ON LABEL. READ LABEL BEFORE USING PRODUCT. DO NOT BREATHE VAPORS. WASH HANDS BEFORE EATING.

Supplemental Safety and Health: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. CONTAI

NS GAS SIMILAR TO PROPANE. DO NOT USE IN CONFINED AREA OR AREA WITH LITTLE AIR MOVEMENT. EMPLOY MEANS TO PREVENT VAPOR BUILDUP. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A, SAMENSN.

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Physical/Chemical Properties  
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HCC: V3  
NRC/State LIC No: NOT RELEVANT  
M.P/F.P Text: UNKNOWN  
Decomp Text: UNKNOWN  
Vapor Pres: 4121 @ 68F  
Vapor Density: 1.522  
Spec Gravity: 0.783  
Solubility in Water: INSOLUBLE  
Appearance and Odor: OLIVE DRAB LACQUER, CHARACTERISTIC ODOR  
Percent Volatiles by Volume: 86  
Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: HIGH HEAT, OPEN FLAMES, SPARKS, DIRECT SUNLIGHT, TEMPERATURES ABOVE 120F  
Materials To Avoid: UNKNOWN  
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND POSSIBLE

HYDROGEN CHLORIDE  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: NOT RELEVANT

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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 Code: 0FTT5  
Trans ID NO: 94067  
Product ID: SO-SURE OL

IVE DRAB LACQUER 34088 (174-341)

MSDS Prepared Date: 02/01/1993

Review Date: 09/09/1992

MFN: 2

Multiple KIT Number: 0

Review IND: Y

Type Of Container: METAL

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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 R

eq: 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

IAT

A 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 OLIVE DRAB LACQUER 34088 (174-341)

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

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