

LHB INDUSTRIES -- SO-SURE AIRCRAFT SURFACE CLEANING COMPOUND (8

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MSDS Safety Information  
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FSC: 6850  
NIIN: 00-005-5305  
MSDS Date: 12/05/1997  
MSDS Num: CDPXJ  
Product ID: SO-SURE AIRCRAFT SURFACE CLEANING COMPOUND (862-800)  
MFN: 01  
Responsible Party  
Cage: 0FTT5  
Name: LHB INDUSTRIES  
Address: 8833 FLEISCHER PLAC  
E  
City: SAINT LOUIS MO 63134  
Info Phone Number: 314-522-3141  
Emergency Phone Number: 314-522-3141  
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Item Description Information  
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Item Manager: S9G  
Item Name: CLEANING COMPOUND,AIRCRAFT SURFACE  
Specification Number: MIL-C-43616  
Type/Grade/Class: CLASS 1A  
Unit of Issue: CN  
Quantitative Expression: 00000000016OZ  
UI Container Qty: 1  
Type of Container: AEROSOL CAN  
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Ingredients  
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Cas: 64742-95-6  
RTECS #: WF3400000  
Name: NAPHTHA, LIGHT AROMATIC (SOLVENT NAPHTHA) (AROMATIC 100)  
Percent by Wt: 7.67  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 5 MG/M3 AS OIL MIST  
ACGIH TLV: 5 MG/M3 AS OIL MIST  
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Cas: 106-97-8  
RTECS #: EJ4200000  
Name: BUTANE  
Percent by Wt: 3.68  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 800 PPM  
ACGIH TLV: 800 PPM; 9596  
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Cas: 75-28-5  
RTECS #: TZ4300000  
Name: ISOBUTANE  
Percent by Wt: 2.4  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
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Cas: 74-98-6  
RTECS #: TX2275000  
Name: PROPANE  
Percent by Wt: 1.92  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000 PPM  
ACGIH TLV: ASPHYXIAN; 9596  
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Cas: 27176-87-0  
RTECS #: DB6600000  
Name: DODECYLBENZENESULFONIC ACID (CERCLA)  
Percent by Wt: 1.32  
Other REC Limits: N  
ONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS  
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Cas: 141-43-5  
RTECS #: KJ5775000  
Name: ETHANOLAMINE (2-HYDROXYETHYL AMINE)  
Percent by Wt: 1.23  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 3 PPM  
ACGIH TLV: 3 PPM/6 STEL; 9596  
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Health Hazards Data  
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LD50 LC50 Mixture: LD50 FOR THIS PRODUCT IS NOT ESTABLISHED

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATION & INHALING CONTENTS MAY BE HARMFUL OR FATAL. IRRITANT TO EYES WITH POSSIBLE CORNEAL DAMAGE. PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN SKIN IRRITATION & DERMATITIS. IN CONFINED AREAS VAPORS IN HIGH CONCENTRATION ARE ANESTHETIC. OVEREXPOSURE MAY RESULT IN LIGHT HEADEDNESS, STAGGERING

GAIT,  
GIDDINESS & POSSIBLE NAUSEA. HARMFUL IF SWALLOWED.  
Explanation Of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.  
Signs And Symptoms Of Overexposure: MAY CAUSE IRRITATION TO EYES. PROLONGED & REPEATED CONTACT WITH SKIN MAY CAUSE IRRITATION.  
Medical Cond Aggravated By Exposure: MANUFACTURER STATES NONE KNOWN.  
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 SWALLOWED, GIVE LARGE AMOUNTS OF WATER OR MILK & GET IMMEDIATE MEDICAL AID. IF INHALED, REMOVE TO FRESH AIR & GET MEDICAL AID IF NECESSARY. 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 & VENTILATE AREA.  
MOP SPILLS WITH INERT ABSORBENT. FLOORS MAY BE SLIPPERY. TAKE CAUTION TO AVOID SPILLS.  
Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT PUNCTURE, INCINERATE (BURN) 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. CAUTION - CO  
NTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMPERATURES MAY EXCEED 120F. AVOID BREATHING SPRAY, MIST OR VAPOR. AVOID CONTACT WITH EYES OR SKIN.  
Other Precautions: AVOID CONTACT WITH EYES & 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: =-104.4C, -156.F  
Flash Point Text: FOR PROPELLANT  
Lower Limits: 1.8  
Upper Limits: 9.5  
Extinguishing Media: USE CARBON DIOXIDE, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.  
Fire Fighting Procedures: WATER MAY BE INEFFECTIVE. WEAR SELF CONTAINED BREATHING APPATUS. USE SHIELDING TO PROTECT PERSONNEL AGAINST BURSTING, RUPTURING OR VENTING CONTAINERS.  
Unusual Fire/Explosion Hazard: DO NOT SPRAY NE

AR OPEN FLAME. AT ELEVATED

TEMPERATURE (OVER 120F) CONTAINERS MAY VENT, RUPTURE OR BURST. AEROSOL CONTAINERS; DO NOT EXPOSE TO TEMPERATURES ABOVE 120F.

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Control Measures  
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Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS.

Ventilation: LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED.PROVIDE A LOCAL EYE WASH STATION.

Work Hygienic Practices: WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE. KEEP FOOD OUT OF THE WORK AREA. USE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health: NONE

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Physical/Chemical Properties  
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HCC: V2

NRC/State LIC No: NOT RELEVANT

Vapor Pres: 3087 @ 68F

Vapor Density: >1.5

Spec Gravity: 0.991 LIQUID

PH: 10.5

VOC Grams/Liter: 196

Viscosity: NOT RELEVANT

Evaporation Rate & Reference: >1 (WATER = 1) FOR LIQUID

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR LIQUID - DETERGENT ODOR, IN AN AEROSOL CAN.

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES (ABOVE 120F), DIRECT SUNLIGHT

Materials To Avoid: UNKNOWN

Hazardous Decomposition Products: CARBON MONOXIDE FROM BURNING

Hazardous Polymerization Indicator: NO

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Toxicological Information  
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Toxicological Information: NOT PROVIDED

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Ecological In

formation

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Ecological: NOT PROVIDED  
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MSDS Transport Information  
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Transport Information: DOT INFORMATION: AEROSOLS, CLASS 2.2, UN1950. IATA  
INFORMATION: AEROSOLS, HASARD CLASS: 9, UN1950. 1 PINT AEROSOL CAN.  
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Regulatory Information  
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Federal Regulatory Information: CONTAINS CHEMICALS SUBJECT TO CLEAN AIR ACT.  
State Regulatory Information: NOT PROVIDED  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 0FTT5  
Trans ID NO: 43357  
Product ID: SO-SURE AIRCRAFT SURFACE CLEANING CO  
MPOUND (862-800)  
MSDS Prepared Date: 12/05/1997  
Review Date: 03/21/2000  
MFN: 1  
Tech Entry NOS Shipping Nm: NAPHTHA, N-BUTANE, PROPANE  
Net Unit Weight: 1 LB  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CN  
Container QTY: 1  
Type Of Container: AEROSOL CAN  
Additional Data: FLAME TEST HAS SHOWN THIS MATERIAL TO BE NON-FLAMMABLE BECAUSE  
LARGE PROPORTION OF MOISTURE IN THE M ATERIAL (POC ROBIN GANNON).  
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Detail DOT Information  
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DOT PSN Code: AGD  
DOT Proper Shipping Name: AEROSOLS, NON-FLAMMABLE,  
DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)  
Hazard Class: 2.2  
UN ID Num: UN1950  
Label: NONFLAMMABLE GAS  
Non Bulk Pack: NONE  
Bulk Pack: NONE  
Max Qty Pass: 75 KG  
Max Qty Cargo: 150 KG  
Vessel Stow Req: A  
Water/Ship/Other Req: 48,85  
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Detail IMO Information  
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IMO PSN Code: A

KD  
IMO Proper Shipping Name: AEROSOLS o  
IMDG Page Number: 2102  
UN Number: 1950  
UN Hazard Class: 2(T)  
IMO Packaging Group: -  
Subsidiary Risk Label: T  
EMS Number: 2-13  
MED First Aid Guide NUM: 620

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Detail IATA Information  
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IATA PSN Code: ANB  
IATA UN ID Num: 1950  
IATA Proper Shipping Name: AEROSOLS, NON-FLAMMABLE  
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)  
IATA UN Class: 2.2  
IATA  
Label: NON-FLAMMABLE GAS  
Packing Note Passenger: 203  
Max Quant Pass: 75 KG  
Max Quant Cargo: 150KG  
Packaging Note Cargo: 203

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Detail AFI Information  
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AFI PSN Code: ANB  
AFI Proper Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.  
AFI PSN Modifier: ,(EACH NOT EXCEEDING 1L CAPACITY)  
AFI Hazard Class: 2.2  
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 AIRCRAFT SURFACE CLEANING COMPOUND (862-800)  
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: 03/21/2000  
Status Code: C  
MFG Label NO: UNKNOWN  
Label Date: 09/10/1997  
Year Procured: 1999  
Origination Code: F  
Eye Prote

ction IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

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