

LHB INDUSTRIES -- SO-SURE WINDSHIELD CLEANER P/N 852C800

=====
MSDS Safety Information
=====

FSC: 6850
NIIN: 00-926-2275
MSDS Date: 03/29/1993
MSDS Num: BSYYZ
Product ID: SO-SURE WINDSHIELD CLEANER P/N 852C800
MFN: 02
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LO
UIS 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

=====
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: CLEANING COMPOUND,WINDSHIELD
Unit of Issue: PT
UI Container Qty: B
Type of Container: BOTTLE

=====
Ingredients
=====

=====
Cas: 67-56-1
RTECS #: PC1400000
Name: METHYL ALCOHOL (SARA III)
% Wt: 72.68
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

RTECS #: 9999999VO
Name: VOC: 72%
Other REC Limits: NONE RECOMMENDED
=====

Health Hazards Data
=====

LD50 LC50 Mixture: RAT:ORAL
LD50:7.5G/KG;LC50 4HR:64000 PPM
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: INGEST:POISONOUS. EFFECT OPTIC NERVE (BLINDNESS),MENTAL
SLUGGISHNESS,NAUSEA,VOMITING (SEVERE ILLNESS,DEATH IN HUMANS).
INHAL:STUPOR,HEADACHE,NAUSEA,DIZZINESS,UNCONSCIOUSNESS IN HUMANS.
SKIN:REPEATED/P ROLONGED DRYING, BRITTLINESS, CRACKING,IRRIT. EYE:INJURY
(PERSIST FOR SEVERAL DAYS). IRRIT, TEARING, BURNING SENSATION.

Signs

And Symptions Of Overexposure: IRRITATION TO EYES FROM DIRECT SPRAY INTO
EYES. NAUSEA AND DIZZINESS FROM EXCESSIVE INHALATION.
Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS. OPEN CUTS AND SORES.
First Aid: CONTACT W/SKIN OR CLOTHES, WASH W/SOAP & WATER. CONTACT W/EYES,
FLUSH W/WATER FOR 15 MIN & CONSULT PHYSICIAN/OPHTHALMOLOGIST IF
IRRITATION PERSISTS. IF SWALLOWED, INDUCE VOMITING OF CONSCIOUS PATIENT
IMMEDIATELY BY GIVING TWO GLASSES WATER& FINGER DOWN THROAT.
CONTACT
PHYSICIAN IMMEDIATELY. IF INHALED, MOVE TO FRESH AIR. IF BREATHING STOPPED,
GIVE ARTIF RESP, THEN OXYGEN IF NEEDED, SEE DR IMMED.

=====
Handling and Disposal
=====

Spill Release Procedures: REMOVE IGNIT SOURCE. VENT AREA. IF FIRE POTENTIAL
EXISTS, BLANKET SPILL W/FOAM OR USE WATER SPRAY TO DISPERSE VAPOR. CONTAIN
SPILL TO MINIMIZE CONTAM AREA & FACILITATE SALVAGE OR DISPOSAL. T

O CLEAN

UP SPILL, FLUSH SPARINGLY W/WATER OR USE ABSORBENT.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. STORE IN COOL, WELL VENTILATE AREA. DO NOT EXPOSE TO TEMPERATURES ABOVE 120F. KEEP FROM HEAT, SPARKS, AND FLAME.

Other Precautions: AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

=====

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: TOC

Flash Point Text: 64.0F,17.8C

Lower Limits: 5.5

Upper Limits: 36.5

Extinguishing Media: CO2, DRY CHEM, FOAM, SAND, H2O SPRAY. AVOID SPREAD BURN LIQ W/H2O SPRAY. H2O MAY BE INEFFECTIVE, USE TO COOL FIRE EXPOSED CNTNR

Fire Fighting Procedures: WEAR SCBA & COMPLETE PERSONAL PROTECTIVE EQUIPMENT. WATER SPRAY CAN BE USED TO REDUCE INTENSITY OF FLAMES & DILUTE SPILLS TO NONFLAMMABLE MIXTURE.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR & CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK. MATERIAL CAN BURN WITH LITTLE OR NO VISIBLE FLAME.

=====
Control Measures
=====

Respiratory Protection: NONE BELOW TLV

Ventilation: LOCAL EXHAUST: PREFERRED. MECHANICAL (GENERAL): NOT RECOMMENDED

Protective Gloves: NEOPRENE OR RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: USE IMPERVIOUS BODY COVERING WHERE SPILLS OR SPLASHING CAN OCCUR.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. DO NOT INGEST.

=====
Physical/Chemical Properties
=====

HCC: F5

B.P. Text: 174F,79C

M.P/F.P Text: <32F,<0C

Vapor Pres: 96 @ 20C

Vapor Density: 1.11

Spec Gravity: 0.8

79 (WATER=1)

Viscosity: WATER LIKE

Evaporation Rate & Reference: 2 (BU AC=1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR BLUE LIQUID; ALCOHOL ODOR

Percent Volatiles by Volume: 72

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, FLAME

Materials To Avoid: SULFURIC ACID; OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE,
NITRIC ACID, PERCHL
ORIC ACID AND CHROMIUM TRIOXIDE.

Hazardous Decomposition Products: NORMAL COMBUSTION PRODUCTS FROM BURING.
CARBON MONOXIDE, CARBON DIOXIDE.

Hazardous Polymerization Indicator: NO

=====
Toxicological Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 0FTT5

Trans ID NO: 92276

Product ID: SO-SURE WINDSHIELD CLEANER P/N 852C800

MSDS Prepared Date: 03/29/1993

Review Date: 01/21/1993

MFN: 2

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: PT

Container QTY: B

Type Of Container: BOTTLE

=====
Detail DOT Information
=====

DOT PSN Code: JEZ

Symbols: I

DOT Proper Shipping Name: METHANOL

DOT PSN Modifier: METHYL ALCOHOL SEE

METHANOL

Hazard Class: 3

UN ID Num: UN1230

DOT Packaging Group: II

Label: FLAMMABLE LIQUID, POISON

Special Provision: T8

Non Bulk Pack: 202

Bulk Pack: 242

Max Qty Pass: 1 L

Max Qty Cargo: 60 L

Vessel Stow Req: B

Water/Ship/Other Req: 40

=====
Detail IMO Information
=====

IMO PSN Code: JPB

IMO Proper Shipping Name: METHANOL

IMDG Page Number: 3251

UN Number: 1230

UN Hazard Class: 3.2

IMO Packaging

Group: II

Subsidiary Risk Label: TOXIC

EMS Number: 3-06

MED First Aid Guide NUM: 306

=====
Detail IATA Information
=====

IATA PSN Code: QHQ

IATA UN ID Num: 1230

IATA Proper Shipping Name: METHANOL

IATA UN Class: 3

Subsidiary Risk Class: 6.1

IATA Label: FLAMM. LIQ. & TOXIC

UN Packing Group: II

Packing Note Passenger: 305

Max Quant Pass: 1L

Max Quant Cargo: 60L

Packaging Note Cargo: 307

Excepti

ons: A104, A113

=====
Detail AFI Information
=====

AFI PSN Code: QHQ
AFI Proper Shipping Name: METHANOL OR METHYL ALCOHOL
AFI Hazard Class: 3
AFI UN ID NUM: UN1230
AFI Packing Group: II
AFI Label: 6.1
Special Provisions: P4
Back Pack Reference: A7.3
=====

HAZCOM Label
=====

Product ID: SO-SURE WIN
DSHIELD CLEANER P/N 852C800
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: G
Hazard And Precautions: INGEST:POISONOUS. EFFECT OPTIC NERVE (BLINDNESS),MENTAL
SLUGGISHNESS,NAUSEA,VOMITING (SEVERE ILLNESS,DEATH IN HUMANS).
INHAL:STUPOR,HEADACHE,NAUSEA,DIZZINESS,UNCONSCIO
USNESS IN HUMANS.
SKIN:REPEATED/P ROLONGED DRYING, BRITTLENESS, CRACKING,IRRIT. EYE:INJURY
(PERSIST FOR SEVERAL DAYS). IRRIT, TEARING, BURNING SENSATION.IRRITATION TO
EYES FROM DIRECT SPRAY INTO EYES. NAUSEA AND DIZZINESS FROM EXCESSI VE
INHALATION.
=====

Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America i

n no manner whatsoever expressly or implied

warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify

and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.