

LHB INDUSTRIES -- SO-SURE CORROSION PREVENTIVE COMPOUND (AMLGUA

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MSDS Safety Information  
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FSC: 8030  
NIIN: 01-066-3971  
MSDS Date: 08/21/1992  
MSDS Num: BPVGN  
Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND (AMLGUARD)  
MFN: 01  
Responsible Party  
Cage: 0FTT5  
Name: LHB INDUSTRIES  
Address: 8833 FLEISCHER PLACE  
City: SAINT LOUIS MO 63134  
Info Phone Number: 314-522-3141  
Emergency Phone Number: 314-522-3141 OR 800-424-9300  
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: CORROSION PREVENTIVE COMPOUND  
Specification Number: MIL-C-85054B  
Type/Grade/Class: TYPE 1; CLASS B  
Unit of Issue: CN  
Quantitative Expression: 00000000012OZ  
UI Contai

ner Qty: 0

Type of Container: METAL

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Ingredients  
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Cas: 67-63-0

RTECS #: NT8050000

Name: ISOPROPYL ALCOHOL (SARA III)

% Wt: &lt;5

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM/500STEL;9394

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Cas: 108-88-3

RTECS #: XS5250000

Name: TOLUENE (SARA III)

% Wt: &lt;3

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 200 PPM; Z-2

ACGIH TLV: S,

50 PPM; 9394

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

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Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE

% Wt: 19

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1000 PPM

ACGIH TLV: ASPHYXIAN; 9394

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Cas: 106-97-8

RTECS #: EJ4200000

Name: BUTANE

% Wt: 7

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 800 PPM

ACGIH TLV: 800 PPM; 9394

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RTECS #: 9999999VO

Name: VOLATILE ORGANIC COMPOUNDS (751 G/L)

Other REC Limits: N

OT RELEVANT  
OSHA PEL: NOT RELEVANT  
ACGIH TLV: NOT RELEVANT

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Cas: 25619-56-1  
Name: BARIUM PETROLEUM SULFONATE  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Name: ALKYL AMMONIUM ORGANIC PHOSPHATE  
% Wt: &lt;1  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 64742-94-5  
Name: HEAVY AROMATIC NAPHTHA/AROMATIC SOLVENT  
BLEND  
% Wt: 19  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 76-13-1  
RTECS #: KJ4000000  
Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)  
% Wt: 25  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000PPM  
ACGIH TLV: 1000PPM/1250STEL9394  
Ozone Depleting Chemical: 1

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Cas: 64741-97-5  
RTECS #: PY8041000  
Name: DISTILLATES, SOLVENT-REFINED LIGHT NAPHTHENIC  
% Wt: &lt;2  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED.  
ACGIH TLV: NOT ESTABLISHED.

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Cas: 97-85-8  
RTECS #: NQ5250000  
Name: ISOBUTYL ISOBUTYRATE  
% Wt: &lt;5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 78-83-1  
RTECS #: NP9625000  
Name: ISOBUTYL ALCOHOL (SARA III)  
% Wt: &lt;7  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: 50 PPM; 9394  
EPA Rpt Qty: 5000 LBS

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Cas: 71-36-3  
RTECS #: EO1400000  
Name: N-BUTYL ALCOHOL (SARA III)  
% Wt: &lt;2  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: S, C 50 PPM; 9394  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS  
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Cas: 8008-20-6  
RTECS #: OA5500000  
Name: KEROSENE  
% Wt: &lt;0.3  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
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Cas: 75-28-5  
RTECS #: TZ4300000  
Name: ISOBUTANE  
% Wt: 4  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
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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: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: TARGET ORGANS:EYES, SKIN, CNS, RESPIRATORY TRACT. ACUTE  
& CHRONIC- INTENTIONAL ABUSE MAY BE HAR  
MFUL/FATAL. IN CONFINED AREAS  
VAPORS IN HIGH CONCENTRATIONS ARE ANESTHETIC. MAY CAUSE SEVERE EYES IRRITAT  
ION. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED.  
OVEREXPOSURE MAY CAUSE PERMANENT BRAIN & CNS DAMAGE.  
Explanation Of Carcinogenicity: NONE  
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 MED

ICAL HELP IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. 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 PRESSURE 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 EXCESSIVE HEAT AND SUNLIGHT. DO NOT STORE ABOVE 120F.

Other Precautions: "EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE DANGEROUS.

AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS OR MISTS.

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Fire and Explosion Hazard Information  
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Flash Point Text: NONE

Extinguishing Media: CARBON DIOXIDE, FOAM, SAND/DRY CHEMICAL. AVOID SPREADING

ANY BURNING LIQUID WITH WATER SPRAY. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: SPRAY CANS UNDER PRESSURE. CONTAINERS MAY VENT, RUPTURE OR BURST.

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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 CONCENTRATION 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

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LE 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: CONTENTS UNDER PRESSURE. DO NOT USE IN CONFINED AREA OR AREA WITH LITTLE AIR MOVEMENT. EMPLOY MEANS TO PREVENT VAPOR BUILDUP.

Physical/Chemical Properties

HC

C: V2

NRC/State LIC No: NOT RELEVANT

B.P. Text: 118F,48C

M.P/F.P Text: -10F,-23C

Decomp Text: UNKNOWN

Vapor Pres: 4896 @ 70F

Vapor Density: >1

Spec Gravity: 0.915

Viscosity: NOT KNOWN

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: INSOLUBLE

Appearance and Odor: DARK BLUE/GREEN LIQUID, SOLVENT ODOR

Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES

Stab

Stability Condition To Avoid: EXTREME HEAT

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

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transpo

rtation Information

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Responsible Party Cage: 0FTT5  
Trans ID NO: 104721  
Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND (AMLGUARD)  
MSDS Prepared Date: 08/21/1992  
Review Date: 08/11/1994  
MFN: 1  
Net Unit Weight: 0.71 LB  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CN  
Container QTY: 0  
Type Of Container: METAL  
Additional Data: CONTAINS TRICHLOROFLUOROETHANE, PROPANE, ISOBUTANE, N-BUTANE,  
TOLUENE. DOT PROPER SHIPPING NAME: CON SUMER CO  
MMODITY, PER MSDS.

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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: AIY  
IMO Proper Shipping Name: AEROSOL DISPENSERS ?  
IMO PSN Modifier: ,WITH A CAPACITY OF 1000 CUBIC CM OR LESS  
IMDG Page Number: 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: 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 Pr

visions: P4

Back Pack Reference: A6.3

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HAZCOM Label  
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Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND (AMLGUARD)

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: 08/11/1994

Status Code: C

MFG Label NO: NOT RELEVANT

Label Date: 0

8/11/1994

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

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 IRRITAT  
ION. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED. MAY

CAUSE PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. STORE IN COOL, WELL VENTILATED AREAS AWAY FROM FLAMES. 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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