

LHB INDUSTRIES -- SO-SURE CORROSION PREVENTIVE COMPOUND

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

FSC: 8030  
NIIN: 00-938-1947  
MSDS Date: 11/06/1992  
MSDS Num: BWGZP  
Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND  
MFN: 04  
Responsible Party  
Cage: 0FTT5  
Name: LHB INDUSTRIES  
Address: 8833 FLEISCHER PLACE  
City: ST. LOU  
IS 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

=====  
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: CORROSION PREVENTIVE COMPOUND  
Specification Number: MIL-C-81309  
Type/Grade/Class: CLASS 2, TYPE 2  
Unit of Issue: CN  
Quantitative Expression: 00000000016OZ  
UI Container Qty: B  
Type of Container: AEROSOL CAN

=====  
Ingredients  
=====

Cas: 64742-88-7  
Name: SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC  
% Wt: 26.74  
Other REC Limits: NO

NE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

-----  
Cas: 25619-56-1  
Name: PETROLEUM SULFONATE  
% Wt: 21.39  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

-----  
Cas: 7440-39-3  
RTECS #: CQ8370000  
Name: BARIUM, SOLUBALE COMPOUNDS(AS BA) (SARA III)  
% Wt: 1.07  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 0.5 MG/M3  
ACGIH TLV: 0.5 MG/M3; 9394

-----  
Cas: 76-13-1  
RTECS  
#: KJ4000000  
Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)  
% Wt: 32.09  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000PPM  
ACGIH TLV: 1000PPM/1250STEL9394  
Ozone Depleting Chemical: 1

-----  
Cas: 75-45-6  
RTECS #: PA6390000  
Name: CHLORODIFLUOROMETHANE  
% Wt: 14.44  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM; 9394  
Ozone Depleting Chemical: 2

=====  
Health Hazards Data

=====

=====  
LD50 LC50 Mixture: ORAL LD50 (RAT) IS >3G/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYES:MAY CAUSE SEVERE IRRITATION.SKIN:MAY CAUSE IRRITATION AND DEFATTING.HOT MATERIAL MAY CAUSE BURNS.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS EFFECTS.CHRONI C:MAY CAUSE PERMANENT BRAIN AND NERVIIOUS SYSTEM DAMAGE.

Explana

tion Of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptions Of Overexposure: INHAL:ANESTHETIC EFFECT(LIGHTHEADEDNESS,STAGGERING GAIT,GIDDINESS,POSSIBLE NAUSEA).INGEST:HEADACHE,NAUSEA,VOMITING.

Medical Cond Aggravated By Exposure: PERSONS WITH PRE-EXISTING SKIN AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MIN

UTES.CALL AN OPTHAMOLOGIST

IMMEDIATELY.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEE DED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

=====  
Handling and Disposal

=====  
Spill Release Procedures: ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,S

AND);PLACE IN PROPER CONTAINER FOR DISPOSAL.CLEAN SPIL L AREA WITH WATER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.EPA WASTE CODE D005(BARIUM;THIS ITEM CONTAINS 2% BARIUM).

Handling And Storage Precautions: STORE AT TEMPERATURES BELOW 120F.FOLLOW LABEL DIRECTIONS.

Other Precautions: FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

=====  
Fire and Explosion Hazard In

formation

=====  
Flash Point Method: TOC

Flash Point Text: 140F,60C

Extinguishing Media: WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard: A DIRECT WATER STREAM MAY SPREAD BURNING LIQUID. DECOMPOSITION PRODUCTS MAY BE TOXIC.

=====  
Control Measures

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

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

Protective Gloves: OIL IMPERVIOUS

Eye Protection: SAFETY GLASSES OR GOGGLES.

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

ATION AND SAFETY SHOWER.

Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health: NONE

=====  
Physical/Chemical Properties

HCC: V3

B.P. Text: >150F, >66C

Decomp Text: UNKNOWN

Vapor Pres: 3361

Vapor Density: >3

Spec Gravity: 0.858

Viscosity: WATER THIN

Solubility in Water: NIL

Appearance and Odor: A

EROSOL. LIQUID IS BROWN WITH MINERAL SPIRIT ODOR.

Corrosion Rate: UNKNOWN

=====  
Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, SOURCES OF IGNITION.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULFUR AND UNIDENTIFIED ORGANIC COMPOUNDS.

Hazardous Polymerization Indicator: NO

=====

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

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

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

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

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

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

Responsible Party Cage: 0FTT5  
Trans ID NO: 93947  
Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND  
MSDS Prepared Date: 11/06/1992  
Review Date: 02/07/1995  
MFN: 4  
Net Unit Weight: 1 LB  
AF  
MMAC Code: NR  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CN  
Container QTY: B  
Type Of Container: AEROSOL CAN  
Additional Data: CONTAINS BARIUM COMPOUNDS(2%).

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

DOT PSN Code: AGC  
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,  
DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)  
Hazard Class: 2.1  
UN ID Num: UN1950  
Label: FLAMMABLE GAS  
Special Provision: N82  
No

n Bulk Pack: NONE  
Bulk Pack: NONE  
Max Qty Pass: 75 KG  
Max Qty Cargo: 150 KG  
Vessel Stow Req: A  
Water/Ship/Other Req: 40,48,85

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

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

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

IATA PSN Code: ALS  
IATA 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

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

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

=====  
HAZCOM Label  
=====

Product ID: SO-SURE CORROSION PREVENTIVE COMPOUND  
Cage: 0FTT5  
Company Name:

LHB INDUSTRIES

Street: 8833 FLEISCHER PLACE

City: ST. LOUIS MO

Zipcode: 63134

Health Emergency Phone: 314-522-3141 OR 800-424-9300

Label Required IND: Y

Date Of Label Review: 02/07/1995

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 02/07/1995

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Moderate

Reactivity Hazard: None

Hazard And Precautions: EYES:MAY CAUSE SEVERE IRRITATION.SKIN:MAY CAUSE IRRITATION AND DEFATTING.HOT MATERIAL MAY CAUSE BURNS.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS EFFECTS.CHRONI C:MAY CAUSE PERMANENT BRAIN AND NERVIIOUS SYSTEM DAMAGE. STORE AT TEMPERATURES BELOW 120F.FOLLOW LABEL DIRECTIONS. FIRST AID: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL AN OPTHAMOLOGIST IMMEDIATELY.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

=====  
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 in 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 g

overnment situation.