

LHB INDUSTRIES -- CORROSION PREVENTIVE COMPOUND, WATER DISPLACI

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

FSC: 8030  
NIIN: 01-041-1596  
MSDS Date: 01/28/1994  
MSDS Num: BTTTN  
Product ID: CORROSION PREVENTIVE COMPOUND, WATER DISPLACING (AEROSOL)  
MFN: 03  
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: 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

=====  
Contra  
tor 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-85054B  
Type/Grade/Class: TYPE 1; CLASS A  
Unit of Issue: CN  
Quantitative Expression: 0000000001

6OZ  
UI Container Qty: 0  
Type of Container: METAL

=====  
Ingredients  
=====

Cas: 67-63-0  
RTECS #: NT8050000  
Name: ISOPROPYL ALCOHOL (SARA III)  
% Wt: &lt;18.68  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 400 PPM  
ACGIH TLV: 400 PPM/500STEL;9394

-----  
Cas: 25619-56-1  
RTECS #: QM4450000  
Name: BARIUM DINONYLNAPHTALNE SULFONATE (BARIUM PETROLEUM SULFONATE)  
% Wt: 0.93  
Other REC L  
imits: NONE RECOMMENDED  
OSHA PEL: 0.5 MG/M3 (AS BA)  
ACGIH TLV: 0.5 MG/M3 (AS BA)

-----  
Cas: 8030-30-6  
RTECS #: DE3030000  
Name: NAPHTHA  
% Wt: &lt;8.17  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 200 PPM  
ACGIH TLV: 200 PPM

-----  
Cas: 107-98-2  
RTECS #: UB7700000  
Name: PROPYLENE GLYCOL MONOMETHYL ETHER  
% Wt: 7.25  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: 100 PPM/150STEL;9394

-----  
Cas: 8030-30-6  
RTECS #

: DE3030000

Name: VM & P NAPHTHA

% Wt: 14.33

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 300 PPM

ACGIH TLV: 300 PPM

-----  
Cas: 97-85-8

RTECS #: NQ5250000

Name: ISOBUTYL ISOBUTYRATE

% Wt: 1.09

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

-----  
Cas: 108-88-3

RTECS #: XS5250000

Name: TOLUENE (SARA III)

% Wt: &lt;5.08

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

-----  
Cas: 78-83-1

RTECS #: NP9625000

Name: ISOBUTYL ALCOHOL (SARA III)

% Wt: 9.06

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 100 PPM

ACGIH TLV: 50 PPM; 9394

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

-----  
Cas: 71-36-3

RTECS #: EO1400000

Name: N-BUTYL ALCOHOL (SARA III)

% Wt: &lt;4.35

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

-----  
Cas: 811-97-2

Name: 1,1,1,2-TETRAFLUOROETHANE (HFC 134A).

% Wt: 15.69

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

-----  
RTECS #: 9999999VO

Name: VOLATILE ORGANIC COMPOUNDS, 529G/L.

% Wt: 60

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

=====  
Health Hazards Data

=====  
LD50 LC50 Mixture: UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INTENTIONAL MISUSE BY DELIBERATELY CONCEN & INHAL  
CONTENTS MAY BE HARMFUL/FATAL.REPORTS HAVE ASSOCIATED REPEAT/PROLONG  
OCCUPATINAL OVEREXPOSURE TO SOLVENTS W/PERM BRAIN & NERVOUS SYS  
DAMAGE.VAPORS IN CONFINED AREA & HI CONCEN ARE ANESTHETIC.SKIN &  
RESP TRACT IRRIT.SEVERE EYE IRRIT.HARMFUL IF S  
WALLOWED.

Explanation Of Carcinogenicity: PER MSDS CARCINOGENICITY NOT LISTED IN NTP,  
IARC, OSHA.

Signs And Symptions Of Overexposure: OVEREXPOSURE MAY RESULT IN LIGHT  
HEADEDNESS, STAGGERING GAIT, GIDDINESS, AND POSSIBLE NAUSEA. IRRITATION TO  
EYES, THROAT, & RESP TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING.

Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS.

First Aid: FOR CONTACT W/SKIN OR CLOTHES WASH W/SOAP & WATER. FOR CONTACT  
W/EYES FLUSH W/WATER FOR 15MINS &

CONTACT PHYSICIAN/OPHTHALMOLOGIST

IMMED. IF SWALLOWED DO NOT INDUCE VOMITING. GET IMMEDIATE MED AID. IF INHALED REMOVE TO FRESH AIR & GIVE ARTIFICIAL RESPIRATION IF NECESSARY. GET MED AID. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION & VENTILATE AREA. MOP SPILLS WITH INERT ABSORBENT. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE (BURN) OR STORE ABOVE 120°F. 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-CONTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMP MAY EXCEED 120°F/48.9°C. AVOID BREATHING SPRAY/MIST/VAPOR.

Other Precautions: AVOID CONTACT WITH EYES OR 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.

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

Flash Point Text: 55.0°F, 12.8°C LIQ

Autoignition Temp Text: 874°F

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND, WATER SPRAY.

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE & MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. WEAR SCBA. USE SHIELDING TO PROTECT PERSONNEL AGAINST BURSTING/RUPTURING/VENTING OF CONTAINERS

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. @ ELEVATED TEMP (>120°F) CONTAINERS MAY VENT/RUPTURE/BURST. AEROSOL CONTAINER; DO NOT EXPOSE TO TEMP >120°F.

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

Respiratory Protection: NONE BELOW TLV. USE NIOSH/MSHA APPROVED MASK ABOVE TLV.

Ventilation: LOCAL EXHAUST PREFERRED. MECHANICAL (GENERAL) IS ACCEPTABLE AT POINT OF MIST OR SPRAY RELEASE.

Protective Gloves: REQUIRED.

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: IMPERMEABLE CLOTHING TO PROTECT SKIN. EYE WASH STATION.

Work Hygienic Practices: WASH HANDS AFTER HANDLING. WASH CLOTHING BEFORE REUSE. USE GOOD PERSONAL HYGIENE. DO NOT EAT/DRINK/SMOKE WHILE USING MATERIAL

Su

pplemental Safety and Health: ID USED ON LABEL:PART #932D800. SPEC GRAV FOR  
AEROSOL:0.882. DENSITY:7.35LBS. FLASH PT FOR PROPELLANT:NONE.

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

HCC: V3  
Vapor Pres: 70 @68F  
Vapor Density: 3.52  
Spec Gravity: 0.840 COMPOUND  
Solubility in Water: INSOLUBLE.  
Appearance and Odor: DARK BLUE/GREEN LIQUID, SOLVENT ODOR.  
=====

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

Stability Indicator: YES  
Stability Condition To Avoid: EXTREME HEAT.  
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.  
Hazardous Polymerization Indicator: NO  
=====

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

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

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

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

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

=====  
Transpor  
tation Information  
=====

Responsible Party Cage: 0FTT5  
Trans ID NO: 101756  
Product ID: CORROSION PREVENTIVE COMPOUND, WATER DISPLACING (AEROSOL)  
MSDS Prepared Date: 01/28/1994  
Review Date: 08/24/1994  
MFN: 3  
Net Unit Weight: 0.9 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CN  
Container QTY: 0  
Type Of Container: METAL  
Additional Data: PER MSDS DOT PROPER SHIPPING NAME:COMSUMER COMMODITY, DOT HAZ  
CLASS:ORM-D, ID#:N/A. PER MSDS:16 OZ A

EROSOL CAN.

=====  
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  
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: 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: CORROSION PREVENTIVE COMPOUND, WATER DISPLACING (AEROSOL)

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: 08/24/1994

Status Code: C

Label Date: 08/24/1994

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Moderate

Reactivity Hazard: None

Hazard And Precautions: INTENTIONAL MISUSE BY DELIBERATELY CONCEN & INHAL CONTENTS MAY BE HARMFUL/FATAL.REPORTS HAVE ASSOCIATED REPEAT/PROLONG OCCUPATINAL OVEREXPOSURE TO SOLVENTS

W/PERM BRAIN & NERVOUS SYS

DAMAGE.VAPORS IN CONFINED AREA & HI CONCEN ARE ANESTHETIC.SKIN/RESP TRACT IRRIT.SEVERE EYE IRRIT.HARMFUL IF SWALLOWED. TARGET

ORGANS:BRAIN/CNS/EYE/SKIN/RESP TRACT. 1ST AID:SKIN:WASH W/SOAP & WATER. EYES:FLUSH W/WATER FO R 15MINS. CONTACT PHYSICIAN/OPHTHALMOLOGIST IMMEDIATE. IF SWALLOWED DO NOT INDUCE VOMITING. GET IMMEDIATE MED AID. INHALED:REMOVE TO FRESH AIR. GIVE ARTI RESP IF NECESSARY. GET MED AID. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS P



PERSON.

=====

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 i

nstrumentality 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.