

LHB INDUSTRIES -- CORROSION PREVENTATIVE COMPOUND WATER DISPLAC

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

FSC: 8030
NIIN: 01-347-0979
MSDS Date: 06/21/1996
MSDS Num: CFNDV
Product ID: CORROSION PREVENTATIVE COMPOUND WATER DISPLACING (AEROSOL)
MFN: 02
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHE
R PLACE
City: ST LOUIS MO 63134
Info Phone Number: 314-522-3141
Emergency Phone Number: 314-522-3141 800-424-9300(CHEMTREC)
Preparer's Name: GREGORY M. MCGOWAN
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
Unit of Issue: CN
Quantitative Expression: 00000000014OZ
UI Container Qty: 0

=====
Ingredients
=====

Cas: 67-63-0
RTECS #: NT8050000
Name: ISOPROPYL ALCOHOL (SARA 313)
% Wt: <18.68
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM

Cas: 811-97-2
Name: 1,1,1,2-TETRAFLUOROETHANE
% Wt: 15.69
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 8032-32-4
RTECS #: OI6180000
Name: VM&P NAPHTHA (LIGROINE)
% Wt: 14.33
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM

Cas: 8030-30-6
RTECS #: SE7555000
Name: SOLVENT, NAPHTHA
% Wt: <8.17
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM

ACGIH TLV: NOT ESTABLISHED

Cas: 78-83-1
RTECS #: NP9625000
Name: 2-METHYL PROPANOL
% Wt: 7.25
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 107-98-2
RTECS #: UB7700000
Name: 1-METHOXY-2-PROPANOL
% Wt: 7.25
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA 31)

3) (CERCLA)

% Wt: <4.35

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 200 PPM

ACGIH TLV: 100 PPM

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

Cas: 71-36-3

RTECS #: EO1400000

Name: N-BUTYL ALCOHOL (SARA 313) (CERCLA)

% Wt: 4.35

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 50 PPM

ACGIH TLV: 100 PPM

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Cas: 64741-65-7

Name: SOLVENT NAPHTHA HEAVY ALKYLATE

% Wt: 2.58

Other REC Limits: NONE RECOMMEN
DED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: 300 PPM

Name: TRADE SECRET

% Wt: <2.51

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: 5 MG/M3

Cas: 64741-97-5

RTECS #: PY8041000

Name: SOLVENT EXTRACTED MINERAL OIL

% Wt: 0.93

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

Cas: 25619-56-1

RTECS #: QM4450000

Name: BARIUM DINONYLNAPHTALNE SULFONATE

(SARA 313)

% Wt: 0.93

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED

RTECS #: 9999999VO

Name: VOC = 529 G/L

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT RELEVANT

ACGIH TLV: NOT RELEVANT

=====
Health Hazards Data

=====
Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: YES

O

SHA: NO

Effects of Exposure: EYE: IRRITATION. SKIN: IRRITATION. INHALATION: HEADACHE, NAUSEA, VOMITING, HARMFUL/FATAL. BRAIN/NS DAMAGE, ANESTHETIC (LIGHT HEADED/STAGGERING/GIDDINESS).

Explanation Of Carcinogenicity: SOLVENT EXTRACTED MINERAL OIL LISTED BY IARC

First Aid: SKIN: WASH W/SOAP & WATER, WASH CLOTHES BEFORE REUSE. EYE: FLUSH E/WATER 15 MINUTES. CALL DR/OPHTHALMOLOGIST IMMEDIATELY. INGESTION: DON'T INDUCE VOMITING. GET IMMEDIATE MEDICAL AID. INHALATION: GET FRESH AIR. GET

MEDICAL AID. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

=====
Handling and Disposal

=====
Spill Release Procedures: VENTILATE/REMOVE IGNITS. PICK UP SPILL W/INERT ABSORBENT. SWEEP UP TO CLOSABLE CONTAINER. DON'T BREATHE VAPOR.

Waste Disposal Methods: ACCORDING TO FEDERAL, STATE, LOCAL REGULATIONS.

Handling And Storage Precautions: KEEP AWAY FROM CHILDREN. CONTENTS UNDER PRESSURE. DON

'T STORE >120F. DON'T BREATHE SPRAY/MIST/VAPOR. AVOID SKIN/EYE CONTACT.

=====
Fire and Explosion Hazard Information

=====
Flash Point Method: TOC

Flash Point Text: NONE

Autoignition Temp Text: 874F

Lower Limits: NOT EST.

Upper Limits: NOT EST.

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

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE. USE WATER TO KEEP FIRE-EXP

OSD CONTAINERS COOL. WEAR SCBA.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME, SPARKS, HEAT. USE W/GOOD VENTILATION.

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

Respiratory Protection: NONE

Ventilation: LOCAL EXHAUST PREFERRED, MECHNAICAL ACCEPTIBLE.

Protective Gloves: NEOPRENE

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: IMPERVIOUS CLOTHES, EYEWASH, SAFETY SHOWER.

Work H

ygienic Practices: DON'T EAT, SMOKE WHILE USING PRODUCT. WASH HANDS AFTER USE.

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

B.P. Text: 212F,100C

M.P/F.P Text: NOT EST.

Decomp Text: NOT EST.

Vapor Pres: 70.0

Vapor Density: 3.52

Spec Gravity: 0.840

PH: NA

Viscosity: NOT EST.

Solubility in Water: INSOLUBLE

Appearance and Odor: DARK BLUE LIQUID, SOLVENT ODOR

Corrosion Rate: NA

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

Stability Indicator: YES

Stability Condition To Avoid: EXTREME HEAT, FLAMES, SPARKS.

Materials To Avoid: NA

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

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

=====

Ecological Information

=====
=====

MSDS Transport Information

=====
=====

Regulatory Information

=====
=====

Other Information

=====
=====

Transportation Information

=====

Responsible Party Cage: 0FTT5

Trans ID NO: 127935

Product ID: CORROSION PREVENTATIVE COMPOUND WATER DISPLACING (AEROSOL)

MSDS Prepared Date: 06/21/1996

Review Date: 10/31/1997

MFN: 2

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 0

=====

Detail DOT Information

=====

=====

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

=====

Detail IMO Information

=====

IMO PSN Code: AKH

IMO Proper Shipping Name: AEROSOLS/AEROSOL PRODUCT ?

IMDG Page Number: SEE 9022

UN Number: 1950

UN Haz

ard 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 PREVENTATIVE COMPOUND WATER DISPLACING (AEROSOL)
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: 10/12/1999
Status Code: A
Origination Code: G
Hazard And Precautions: EYE: IRRITATION. SKIN: IRRITATION. INHALATION:
HEADACHE, NAUSEA, VOMITING, HARMFUL/FATAL. BRAIN/NS DAMAGE, ANESTHETIC (LIGHT
HEADED/STAGGERING/GIDDINESS).

=====

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 government situation.