

LHB INDUSTRIES -- CORROSION PREVENTIVE COMPOUND,WATER DISPLACIN

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MSDS Safety Information
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FSC: 8030
NIIN: 01-099-3443
MSDS Date: 02/09/1994
MSDS Num: BTRXC
Product ID: CORROSION PREVENTIVE COMPOUND,WATER DISPLACING (AMLGUARD)
MFN: 01
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER
PLACE
City: ST. LOUIS MO 63134
Info Phone Number: 314-423-4333
Emergency Phone Number: 314-423-4333/800-424-9300(CHEMTREC)
Preparer's Name: RUDOLF OPPENHEIM
Review Ind: Y
Published: Y

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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 In
formation
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Item Manager: GSA
Item Name: CORROSION PREVENTIVE COMPOUND
Specification Number: MIL-C-85054
Type/Grade/Class: TYPE 2
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 0
Type of Container: CAN

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Ingredients
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Cas: 67-63-0
RTECS #: NT8050000
Name: ISOPROPYL ALCOHOL (SARA III)
% Wt: <22.16
Other

REC Limits: NONE RECOMMENDED
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM/500STEL;9394

Cas: 25619-56-1
Name: BARIUM PETROLEUM SULFONATE
% Wt: 1.10
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Name: BARIUM COMPOUNDS
% Wt: 0.06 BA
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.5 MG/M3 AS BA
ACGIH TLV: 0.5 MG/M3 AS BA

Name: NAPHTHA
% Wt: <9.69
Other REC Limits: NONE RECO
MMENDED
OSHA PEL: 5 MG/M3 AS OIL MIST
ACGIH TLV: 5 MG/M3 AS OIL MIST

Cas: 107-98-2
RTECS #: UB7700000
Name: PROPYLENE GLYCOL MONOMETHYL ETHER
% Wt: 8.60
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/150STEL;9394

Cas: 64742-89-8
Name: NAPHTHA, LIGHT ALIPHATIC/ALIPHATIC SOLVENT
% Wt: 17
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)

Ca

s: 97-85-8
RTECS #: NQ5250000
Name: ISOBUTYL ISOBUTYRATE
% Wt: 1.29
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA III)
% Wt: <6.01
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: 10.75
O
ther 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: <3.16
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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Health Hazards Data
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LD50 LC50

Mixture: LD50 (ORAL, 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-IRRITATION OF EYES, SKIN & RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY CAUSE UNCONSCIOUSNESS & POSSIBLY DEATH. HARMFUL IF INGESTED. CHRONIC- MAY CAUSE LIVER, KIDNEY, BLOOD & BRAIN DAMAGE.

Explanation Of Carcinogenicity: NONE

Signs And Symptoms Of Overexposure: HEADACHE, DIZZINESS, NAUSEA, LOSS OF COORDINATION, IRRITATION OF EYES, SKIN AND RESPIRATORY TRACT, REDNESS OR BURNING SENSATION OF EYES OR SKIN

Medical Cond Aggravated By Exposure: UNKNOWN

First Aid: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH AIR. PROVIDE OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INGESTION: DO NOT INDUCE VOMITING IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. CALL PHYSICIAN.

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Handling and Disposal

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Spill Release Procedures: WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA SUCH AS SAND/VERMICULITE. ELIMINATE ANY SOURCE OF IGNITION. VENTILATE AREA.

Neutralizing Agent: NOT RELEVANT

Waste Disposal

Methods: ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINER.

Handling And Storage Precautions: STORE IN COOL, VENTILATED AREA, AWAY FROM HEAT, FLAMES, HOT SURFACES & SPARKS. USE APPROVED BONDING AND GROUNDING PROCEDURES.

Other Precautions: EXTREMELY FLAMMABLE AND MAY IGNITE EXPLOSIVELY. USE WITH

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ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPOR AND SPRAY MIST. KEEP OUT OF REACH OF CHILDREN.

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Fire and Explosion Hazard Information
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Flash Point Text: 55.0F,12.8C

Extinguishing Media: USE FOAM, DRY CHEMICAL, CARBON DIOXIDE OR WATER SPRAY. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL

FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE OR BE MOVED BY VENTILATION TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE.

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Control Measures
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Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES

BELOW PEL(TLV), USE NIOSH APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

Ventilation: MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves: NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment: EYE WASH

STATION, SAFETY SHOWER, INDUSTRIAL-TYPE

WORK CLOTHING, APRON AND BARRIER CREAM FOR EXPOSED SKIN

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

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Physical/Chemical Properties
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HCC: F2

NRC/State LIC No: NOT RELEVANT

B.P. Text: >212F,>100C

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapo

r Pres: <3KNOWN

Vapor Density: >4

Spec Gravity: 0.840

Solubility in Water: INSOLUBLE

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

Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Materials To Avoid: UNKNOWN

Hazardous Decomposition Products: CARBON MONOXID E, CARBON DIOXIDE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 0FTT5

Trans ID NO: 107253

Product ID: CORROSION

PREVENTIVE COMPOUND,WATER DISPLACING (AMLGUARD)

MSDS Prepared Date: 02/09/1994

Review Date: 07/22/1994

MFN: 1

Tech Entry NOS Shipping Nm: TOLUENE, ISOPROPANOL

Net Unit Weight: 35.0 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 0

Type Of Container: CAN

Additional Data: PROPER SHIPPING NAME PER MSDS.

Detail DOT Information

DOT PSN Code: DNJ

Symbols: I

DOT Pro

per Shipping Name: COATING SOLUTION
DOT PSN Modifier: (INCLUDES SURFACE TREATMENTS OR COATINGS USED FOR INDUSTRIAL
OR OTHER PURPOSES SUCH AS VEHICLES UNDERCOATING, DRUM OR BARREL LINING)
Hazard Class: 3
UN ID Num: UN1139
DOT Packaging Group: II
Label: 3
Special Provision: T7,T30
Packaging Exception: 150
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code: ENB
IMO Proper Shipping Name: COATING SOLUTION o
IMO PSN Modifier: (INCLUDES SURFACE TREATMENTS OR COATINGS USED FOR INDUSTRIAL
PURPOSES SUCH AS VEHICLE UNDER-COATING, DRUM OR BARREL LINING)
IMDG Page Number: 3200
UN Number: 1139
UN Hazard Class: 3.2
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-05
MED First Aid Guide NUM: 310

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Detail IATA Information
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IATA PSN Code: GZI
IATA UN ID Num: 1139
IATA Proper Shipping Name: COATING SOLUTION +
IATA PSN Modifier: (INCLUDES SURFACE TREATMENTS OR COATINGS USED FOR INDUSTRIAL
OR OTHER PURPOSES SUCH AS VEHICLE UNDERCOATING, DRUM OR BARREL LINING)
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307
Exceptions: A7
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Detail AFI Information

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AFI PSN Code: GZI
AFI Proper Shipping Name: COATING SOLUTION
AFI Hazard Class: 3
AFI UN ID NUM: UN1139
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: CORROSION PREVENTIVE COMPOUND,WATER DISPLACING (AMLGUARD)
Cage: 0FTT5
Company Name: LHB INDUSTRIES
Str
eet: 8833 FLEISCHER PLACE
City: ST. LOUIS MO
Zipcode: 63134
Health Emergency Phone: 314-423-4333/800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label Review: 07/22/1994
Status Code: C
MFG Label NO: NOT RELEVANT
Label Date: 07/22/1994
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: TARGET ORGANS:EYES, SKIN, CNS, RESPIRATORY TRACT.
AC
UTE- IRRITATION OF EYES, SKIN & RESPIRATORY SYSTEM. MAY CAUSE CNS
DEPRESSION. HARMFUL IF INGESTED. CHRONIC- MAY CAUSE LIVER, KIDNEY, BLOOD
& BRAIN DAMAGE. STORE IN COOL, VENTILATED AREA, AWAY FROM HEAT, SPARKS.
COLLECT SPILLS USING ABSORBENT SUCH AS SAND/VERMICULITE. ELIMINATE SOURCE OF
IGNITION. VENTILATE AREA. FIRST AID- GET MEDICAL ATTENTION I F SYMPTOMS
PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN IF NEEDED. EYES:FLUSH
WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN

. SKIN:WASH WITH SOAP &
WATER. ORAL:DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW
HIPS. CALL PHYSICIAN.

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