

LIBBY LABORATORIES INC -- CORROSION PREVENTIVE COMPOUND, WATER DISPLACI

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MSDS Safety Information
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FSC: 8030
NIIN: 01-045-4780
MSDS Date: 02/03/1994
MSDS Num: BTTTR
Product ID: CORROSION PREVENTIVE COMPOUND, WATER DISPLACING (AMLGUARD)
MFN: 01
Responsible Party
Cage: 64396
Name: LIBBY LABORATORIES INC
Address: 1700
SIXTH STREET
City: BERKELEY CA 94710-1806
Info Phone Number: 510-527-5400 / FAX 510-527-8687
Emergency Phone Number: 510-527-5400
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: 64396
Name: LIBBY LABORATORIES INC
Address: 1700 SIXTH STREET
City: BERKELEY CA 94710-1806
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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
Cage: 64396
Name: LIBBY LABORATORIES INC
Address: 1700 SIXTH STREET
City: BERKELEY CA 94710-1806
Phone: 510-527-5400
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Item Description Information
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Item Manager: GSA
Item Name: CORROSION PREVENTIVE

COMPOUND

Specification Number: MIL-C-85054

Type/Grade/Class: TY II

Unit of Issue: QT

UI Container Qty: 0

Type of Container: METAL 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 DINONYLNAPH

TALNE SULFONATE (BARIUM PETROLEUM SULFONATE)

% Wt: 1.10

Other REC Limits: 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: <9.69

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: 8.60

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: 17.00
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM

Cas: 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
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: <5.16
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 10

0 PPM
ACGIH TLV: S, C 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: <5.16
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

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Health Hazards Data
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LD50 LC50 Mixture: UNKNOWN
Route Of Entry Inds - Inhalation: Y
ES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: HARMFUL IF SWALLOWED. INJURIOUS TO EYES. MAY CAUSE
DEFATTING & IRRIT OF SKIN. REPORTS HAVE ASSOCIATED REPEAT/PROLONG
OCCUPATINAL OVEREXPOSURE TO SOLVENTS W/PERM BRAIN & NERVOUS SYS DAMAGE.
VAPORS IN C ONFINED AREA & HI CONCEN ARE ANESTHETIC.
Explanation Of Carcinogenicity: PER MSDS CARCINOGENICITY NOT LISTED IN NTP,
IARC, OSHA.
Signs And Symptions Of Overexposure: OVEREXPOSURE MA
Y RESULT IN LIGHT
HEADEDNESS, STAGGERING GAIT, GIDDINESS, AND POSSIBLE NAUSEA. IRRITATION TO
EYES & SKIN. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING IF INHALED.
Medical Cond Aggravated By Exposure: UNKNOWN
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 IMMED MED AID. IF INH ALED
REMOVE TO FRESH AIR. GET MED AID. NEVER GIVE ANYTHING BY

MOUTH TO AN
UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION & VENTILATE AREA.
PICK UP SPILLAGE W/INERT ABSORBENT MATERIAL AND SWEEP UP TO A CLOSABLE
CONTAINER. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE OF IAW APPLICABLE LOCAL, STATE AND FEDERAL
REGULATIONS.

Handling And Storage Precautions: KEEP OUT OF REACH
OF CHILDREN. STORE IN DRY

COOL PLACE AWAY FROM FIRE, HEAT, OR SPARKS.

Other Precautions: AVOID CONTACT W/EYES OR SKIN. DO NOT BREATHE VAPORS. USE
WITH GOOD VENTILATION.

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

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

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE & MAY BE USED TO KEEP

FIRE EXPOSED CONTAINERS COOL. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAMES, SPARKS, OR HEAT.

USE WITH GOOD VENTILATION.

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Control Measures
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Respiratory Protection: NONE WITH GOOD VENTILATION. USE NIOSH/MSHA APPROVED
MASK ABOVE TLV.

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

AY RELEASE.

Protective Gloves: NEOPRENE.

Eye Protection: CHEM SPLASH GOGGLES.

Other Protective Equipment: IMPERVIOUS CLOTHES TO PROTECT SKIN. EYE WASH
STATION.

Work Hygienic Practices: WASH HANDS AFTER USE. WASH CLOTHES BEFORE REUSE. DO
NOT EAT/DRINK/SMOKE WHILE USING MATERIAL.

Supplemental Safety and Health: DENSITY: 7.00LBS/GALLON.

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Physical/Chemical Properties
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HCC: F2

B.P. Text:

>212F,>100C

Vapor Pres: <3.0

Vapor Density: >4.0

Spec Gravity: 0.840

Solubility in Water: INSOLUBLE.

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

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Reactivity Data

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Stability Indicator: YES

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

Hazardous Decomposition Products: CARBON MONOXIDE & CARBON DIOXIDE FROM THERMAL DECOMPOSITION.

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Code: 64396

Trans ID NO: 102485

Product ID: CORROSION PREVENTIVE COMPOUND, WATER DISPLACING (AMLGUARD)

MSDS Prepared Date: 02/03/1994

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Review Date: 08/24/1994

MFN: 1

Tech Entry NOS Shipping Nm: COATING SOLUTION

Net Unit Weight: 1.7 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: QT

Container QTY: 0

Type Of Container: METAL CAN

Additional Data: PER MSDS:COATING SOLUTION, DOT HAZ CLASS:3, ID#:UN1139,

UNIT:1QT METAL CAN. PER TIR: FREIGHT-DESCRIPTION:PETROLEUM OILS GREASES ETC.

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Detail DOT Information

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DOT PSN Co

de: DNL
DOT Proper Shipping Name: COATING SOLUTION
DOT PSN Modifier: (INCLUDES SURFACE TREATMENTS OR COATINGS USED FOR INDUSTRIAL OR OTHER PURPOSES SUCH AS VEHICLE UNDERCOATING, DRUM OR BARREL LINING)
Hazard Class: 3
UN ID Num: UN1139
DOT Packaging Group: III
Label: 3
Special Provision: B1,T7,T30
Packaging Exception: 150
Non Bulk Pack: 203
Bulk Pack: 242
Max Qty Pass: 60 L
Max Qty Cargo: 220 L
Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: ENF
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: 3321
UN Number: 1139
UN Hazard Class: 3.3
IMO Packaging Group: III
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: GZN
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: III
Packing Note Passenger: 309
Max Quant Pass: 60L
Max Quant Cargo: 220L
Packaging Note Cargo: 310
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Detail AFI Information

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AFI PSN Code: GZN
AFI Proper Shipping Name: COATING SOLUTION
AFI Hazard Class: 3
AFI UN ID NUM: UN1139
AFI Packing Group: III
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: 64396
Company Name: LIBBY LAB
ORATORIES INC
Street: 1700 SIXTH STREET
City: BERKELEY CA
Zipcode: 94710-1806
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: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: HARMFUL IF SWALLOWED. INJURIOUS TO EYES. MAY CAUSE DEFATTING & IRRIT OF SKIN. REPORTS HAVE ASSOCIATED REPEAT/PROLONG OCCUPATIONAL OVEREXPOSURE TO SOLVENTS W/PERM BRAIN & NERVOUS SYS DAMAGE. VAPORS IN CONFINED AREA & HI CONCEN ARE ANESTHETIC. TARGET ORGANS:EYE/SKIN/BRAIN/CNS. FIRST AID: FOR CONTACT W/SKIN OR CLOTHES WASH W/SOAP & WATER. FOR CONTACT W/EYES FLUSH W/WATER FOR 15MINS & CONTACT PHYSICIAN /OPHTHALMOLOGIST IMMEDIATE. IF SWALLOWED DO NOT INDUCE VOMITING. GET IMMEDIATE MED AID. IF INHALED REMOVE

TO FRESH AIR. GET MED AID. NEVER GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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