

LIBBY LABORATORIES INC -- CORROSION PREVENTIVE CMPD, WATER DISPLACING (

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MSDS Safety Information
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FSC: 8010

NIIN: 01-099-3443

MSDS Date: 02/03/1994

MSDS Num: BTTKH

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

MFN: 01

Responsible Party

Cage: 64396

Name: LIBBY LABORATORIES INC

Address: 1700 SIXT

H 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 COM

POUND

Specification Number: MIL-C-85054B

Type/Grade/Class: TY II

Unit of Issue: CN

UI Container Qty: 5 GALLON

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

RTECS #: QM4450000

Name: B

ARIUM DINONYLNAPHTALNE SULFONATE (PER MSDS 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: BLEND OF MINERAL SPIRITS (PER MSDS 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 (PER MSDS GLYCOL ET
HER PM).

% 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

as: 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: 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: UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: HARMFUL IF SWALLOWED. INJURIOUS TO EY

ES. MAY CAUSE

DEFATTING & IRRIT OF SKIN. REPOERTS HAVE ASSOCIATED REPEAT/PROLONG OCCUPATIONAL OVEREXPOSURE TO SOLVENTS W/PERM BRAIN &NERVOUS SY DAMAGE. IN

CONFINED AREAS, VAPORS IN HI CONCEN ARE ANESTHETIC.

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 & SKIN. MAY CAUSE HEADACHES, N AUSEA, 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 & SWEEP UP TO A CLOSABLE CONTAINER. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE AWAY FROM FIRE, HEAT, OR SPARKS.

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

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

Autoignition Temp Text: 874F

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

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE. USE WATER TO KEEP FIRE EXPOSED CNTNRS COOL. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosio

n 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 BELOW TLV. USE NIOSH/MSHA APPROVED MASK ABOVE TLV.
Ventilation: LOCAL EXHAUST PREFERRED. MECHANICAL (GEN) IS ACCEPTABLE AT POINT
OF MIST OR SPRAY RELEASE.

Protective Gloves: NEOPRENE.

Eye Protection: CHEM SPLASH GOGGLES.

Other Protective Equipment: IMP

ERVIOUS CLOTHES TO PROTECT SKIN. EYE WASH
STATION. SAFETY SHOWER.

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

Supplemental Safety and Health: ID USED ON LABEL:PART #682-845.
DENSITY:8.55LBS.

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Physical/Chemical Properties
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HCC: F2

B.P. Text: 212F,132C

Vapor Pres: <3.0

Vapor Dens

ity: >4.0

Spec Gravity: 0.840

Solubility in Water: INSOLUBLE.

Appearance and Odor: DARK BLUNE/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 AND 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 Cage: 64396

Trans ID NO: 107252

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

MSDS Prepared Date: 02/03/1994

Review Date: 08/18/1994

MFN: 1

Net Unit Weight: 35.

0 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 5 GALLON

Type Of Container: CAN

Additional Data: PER MSDS DOT PROPER SHIPPING NAME:COATING SOLUTION, DOT HAZ
CLASS:3, ID#:UN1139. PER MSDS:5 GALLON C AN.

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Detail DOT Information
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DOT PSN Code: DNJ

Symbols: I

DOT Proper Shipping Name: COATING SOLUTION

DOT PSN Modifier: (INCLUDES SURFACE TREATMENTS OR COATINGS U
SED 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 Co

de: 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 CMPD, WATER DISPLACING (AMLGUARD)

Cage: 64396

Company Name: LIBBY LABORATORIES INC

Street: 1700 SIXTH STREET

City: BERKELEY CA

Zipcode: 94710-1806

Health Emergency Phone: 800-42

4-9300 CHEMTREC/ 314-522-3141

Label Required IND: Y

Date Of Label Review: 08/18/1994

Status Code: C

Label Date: 08/18/1994

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: HARMFUL IF SWALLOWED. INJURIOUS TO EYES. MAY CAUSE DEFATTING & IRRIT OF SKIN. REPOERTS HAVE ASSOCIATED REPEAT/PROLONG OCCUPATIONAL

OVEREXPOSURE TO SOLVENTS W/PERM BRAIN & NERVOUS SY DAMAGE. IN CONFINE D AREAS, VAPORS IN HI CONCEN ARE ANESTHETIC. TARGET ORGANS:EYE/SKIN/BRAIN/NERVOUS SYS. FIRST AID: FOR CONTACT W/SKIN OR CLOTHES WASH W/SOAP & WATER. FOR CONTACT W/EYES FLUSH W/WATER FOR 15MINS & CONTA CT PHYSICIAN/OPHTHALMOLOGIST IMMED. IF SWALLOWED DO NOT INDUCE VOMITING. GET IMMED MED AID. IF INHALED REMOVE TO FRESH AIR. GET MED AID. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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