

LHB INDUSTRIES -- SO SURE CORROSION PREVENTIVE COMPOUND

=====

MSDS Safety Information

=====

FSC: 8030
NIIN: 00-546-8637
MSDS Date: 04/20/1992
MSDS Num: BPPBK
Product ID: SO SURE CORROSION PREVENTIVE COMPOUND
MFN: 02
Responsible Party
Cage: 0FTT5
Name: LHB INDUSTRIES
Address: 8833 FLEISCHER PLACE
City: ST. LOUI
S 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

=====

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
Specification Number: MIL-C-81309E
Type/Grade/Class: TYPE 3; CLASS 2
Unit of Issue: CN
Quantitative Expression: 00000000016OZ
UI Container Qty:

=====

Ingredients

=====

Cas: 64742-88-7
RTECS #: SE7544000
Name: ALIPHATIC MINERAL SPIRITS 140 F
% Wt: 37.73
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM

Cas: 25619-56-1
Name: BARIUM PETROLEUM SULFONATE
% Wt: 7.55
Other REC Limits: NONE SPECIFIED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 2561
9-56-1
Name: BARIUM COMPOUNDS (SARA III)
% Wt: 0.38
Other REC Limits: NONE SPECIFIED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 76-13-1
RTECS #: KJ1400000
Name: TRICHLOROTRIFLUOROETHANE
% Wt: 36.44
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM
Ozone Depleting Chemical: 1

Cas: 75-45-6
RTECS #: PA6390000
Name: CHLORODIFLUOROMETHANE
% Wt: 16.40
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000 PPM

CGIH TLV: 1000 PPM
Ozone Depleting Chemical: 2

RTECS #: 9999999VO
Name: VOC: 947 G/L, 7.89 LG/GAL.
Other REC Limits: NONE SPECIFIED

=====

Health Hazards Data

=====

LD50 LC50 Mixture: NON-MINERAL SPIRITS PRT:INGEST 3G/KG RAT
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: CONCENTRATI

NG & INHALING CONTENTS HARMFUL/FATAL.

REPEAT/PROLONG OVEREXPOSURE: PERM BRAIN & NERVOUS SYSTEM DAMAGE. IN
CONFINED AREAS VAPORS IN HIGH CONC ARE ANESTHETIC. SKIN & RESP TRACT
IRRIT. OVEREXP OSURE MAY RESULT IN LIGHT HEADEDNESS, STAGGERING, GIDDINESS,
NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRIT.

Signs And Symptions Of Overexposure: IRRITATION TO EYES, THROAT AND RESP TRACT.

MAY CAUSE HEADACHES, NAUSEA, AND VOMITING. CONTACT WITH HEATED MATERIAL MAY
CAUSE THERMAL BURNS.

Medical Cond Aggravated By Exposure: CONTACT MAY CAUSE DEFATTING, OIL, ACNE,
IRRITATION OR ALLERGIC REACTION IN SENSITIVE INDIVIDUALS.

First Aid: FOR CONTACT WITH SKIN OR CLOTHES WASH WITH SOAP AND WATER; WASH
CLOTHES BEFORE REUSE. FOR CONTACT WITH EYES, FLUSH WITH WATER FOR 15 MINUTES
AND CONTACT A PHYSICIAN/OPHTHALMOLOGIST IMMEDIATELY. IF SWA LLOWED, DO NOT
INDUCE VOMITING. GET IMMEDIATE MEDICAL AID. IF INHALED, REMOVE TO FRESH AIR
AND GIVE ARTIFICIAL RESPIRATION IF NECESSARY AND GET
MEDICAL AID. NOTHING BY
MOUTH TO UNCONSCIOUS PERSON.

=====

Handling and Disposal

=====

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITON AND VENTILATE AREA.

AVOID BREATHING VAPORS. PICK UP SPILLAGE WITH INERT ABSORBENT MATERIAL. FLUSH
AREA WITH WATER.

Waste Disposal Methods: DISPOSE IN ACCORD W/FED/STATE/LOCAL REGS. DONT
PUNCTURE/BURN/STORE ABOVE 120F. EXPOSURE TO HEAT/PROLONGED SUN

MAY CAUSE CAN
TO BURST. DISCARD EMPTY CAN IN TRASH. DON'T PLACE IN HOME TRASH COMPACTOR. K
EEP OUT OF STREAMS/WTRWAYS. CONTAINS .8% BARIUM. #
Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN.
CAUTION-CONTENTS UNDER PRESSURE. DON'T STORE ABOVE 120F. AVOID BREATHING
SPRAY/MIST/VAPOR. AVOID SKIN/EYE CONTACT.
Other Precautions: USE W/GOOD VENT. READ/FOLLOW LABEL DIRECTIONS.
CONCENTRATING/INHALING/SWALLOWING MAY BE HARMFUL/FATAL.
DISPOSE OF AS REQ'D FOR MA

T'L CO
NTAINING EXTRACTABLE BARIUM US EPA-RCRA.

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

Flash Point Method: TOC
Flash Point Text: 140F,60C
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND, WATER SPRAY.
AVOID SPREADING ANY BURNING LIQUID WITH WATER SPRAY.
Fire Fighting Procedures: WATER MAY BE INEFFECTIVE, USE TO COOL FIRE EXPOSED
CONTAINERS. WEAR SCBA. USE SHIELDING T
O PROTECT PERSONNEL AGAINST CONTAINERS
BURSTING, RUPTURING, OR VENTING.
Unusual Fire/Explosion Hazard: DON'T SPRAY NEAR OPEN FLAME. AT ELEVATED TEMPS
(OVER 120F) CONTAINERS MAY VENT, RUPTURE OR BURST. AEROSOL CONTAINER: DO NOT
EXPOSE TO TEMP ABOVE 120F.

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

Respiratory Protection: NONE BELOW TLV. USE NIOSH/MSHA APPROVED MASK ABOVE TLV.
Ventilation: LOCAL EXHAUST: PR
EFERRED. MECHANICAL (GENERAL): ACCEPTABLE AT
POINT OF MIST OR SPRAY RELEASE.
Protective Gloves: OIL IMPERVIOUS IF CONTACT ANTICIPATED.
Eye Protection: AT LEAST SAFETY GLASSES.
Other Protective Equipment: IMPERVIOUS CLOTHES TO PROTECT SKIN. EYE WASH
STATION.
Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. DO NOT EAT, DRINK OR SMOKE
WHILE USING PRODUCT.

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

=====
HCC: V3
B.P. Text: >150F,>66C
Vapor Pres: 65 @ 68F
Vapor Density: >3.0
Spec Gravity: 0.798 (WATER=1)
Viscosity: WATER THIN
Solubility in Water: NIL
Appearance and Odor: CLEAR BROWN FLUID - MINERAL SPIRITS ODOR.

Reactivity Data
=====

Stability Indicator: YES
Stability Condition To Avoid: TEMPERATURES ABOVE FLASH POINT AND OPEN FLAMES.
Materials To Avoid: STRONG OXIDIZING AGENT
S.
Hazardous Decomposition Products: COMBUSTION MAY RESULT IN UNDEFINED ORGANICS &
OXIDES OF CARBON & OXIDES OF CARBON & OXIDES OF SULFUR.
Hazardous Polymerization Indicator: NO

Toxicological Information
=====

Ecological Information
=====

MSDS Transport Information
=====

Regulatory Information
=====

Other Information
=====

Transportation Information
=====

=
Responsible Party Cage: 0FTT5
Trans ID NO: 76257
Product ID: SO SURE CORROSION PREVENTIVE COMPOUND
MSDS Prepared Date: 04/20/1992
Review Date: 09/22/1998
MFN: 2
Tech Entry NOS Shipping Nm: ALIPHATIC MINERAL SPIRITS
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
H

azard 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: AKD
IMO Proper Shipping Name: AEROSOLS o
IMDG Page Number: 2102
UN Number: 1950
UN Hazard Class: 2(T)
IMO Packaging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620

=====

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: SO SURE CORROSION PREVENTIVE COMPOUND
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: 12/16/1998
Status Code: C
Label Date: 12/16/1998
Origination Code: G

Hazard And Precautions: CONCENTRATING & INHALING CONTENTS HARMFUL/FATAL.
REPEAT/PROLONG OVEREXPOSURE: PERM BRAIN & NERVOUS SYSTEM DAMAGE. IN
CONFINED AREAS VAPORS IN HIGH CONC ARE ANESTHETIC. SKIN & RESP TRACT
IRRIT. OVEREXP OSURE MAY RESULT IN LIGHT HEADEDN
ESS, STAGGERING, GIDDINESS,
NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRIT. IRRITATION TO
EYES, THROAT AND RESP TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMI TING.
CONTACT WITH HEATED MATERIAL MAY CAUSE THERMAL BURNS.

=====
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 express
ly 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 respon
sibility for the suitability of this information to their
particular situation regardless of similarity to a corresponding Department
of Defense or other government situation.