

LHB INDUSTRIES -- SO-SURE WATER DISPLACING COMPOUND, 0914-400,

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

FSC: 6850

NIIN: 00-142-9389

MSDS Date: 02/28/1996

MSDS Num: CBTLQ

Product ID: SO-SURE WATER DISPLACING COMPOUND, 0914-400, AEROSOL

MFN: 03

Responsible Party

Cage: 0FTT5

Name: LHB INDUSTRIES

Address: 8833 FLEISCHER PLAC

E

City: ST. LOUIS 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 S

ummary
=====

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: WATER-DISPLACING COMPOUND

Type/Grade/Class: TYPE 1, CLASS 2

Unit of Issue: BX

Quantitative Expression: 00000000012EA

UI Container Qty: G
=====

=====
Ingredients
=====

Cas: 25619-56-1
RTECS #: CR0700000
Name: NEUTRAL BARIUM SULFONATE (SARA III)
% Wt: <4.36
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 64475-85-0
RTECS #: PY8240000
Name: MINERAL SPIRITS
% Wt: <32.7
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 500 PPM
ACGIH TLV: 100 PPM

Cas: 6474
2-55-8
RTECS #: PY8036500
Name: MINERAL SEAL OIL
% Wt: <4.36
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3

Cas: 74-98-6
RTECS #: TX2275000
Name: PROPANE
% Wt: 12.33
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM

Cas: 75-28-5
RTECS #: TZ4300000
Name: ISOBUTANE
% Wt: 3.03
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: 800 PPM

Cas: 106-97-8
RTECS #: EJ4200000
Name: N-BUTANE
% Wt: 4.85
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM

Cas: 71-55-6
RTECS #: KJ2975000
Name: 1,1,1-TRICHLOROETHANE (SARA III)
% Wt: 36.18
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: 1

RTECS #: 9999999VO
Name: VOC: 560 G/L
% Wt: 64.0
Other REC Limits: NONE RECOMMEND
ED
OSHA PEL: NA
ACGIH TLV: NA
=====

Health Hazards Data
=====

Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: CONCENTRATING & INHALING CONTENTS MAY BE
HARMFUL/FATAL. REPORTS ASSOCIATE REPEATED/PROLONGED OVEREXPOSURE W/PERM
BRAIN
& NERVOUS SYSTEM DAMAGE. IN CONFINED AREA, VAPOR IN HIGH CONCENTRATION IS

ANESTHETIC. SKIN/RESPIRATORY TRACT IRRIT. LIGHTHEADED, STAGGERING,
GIDDINESS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRIT.
Signs And Symptoms Of Overexposure: IRRITATION TO EYES, THROAT, AND
RESPIRATORY TRACT. MAY CAUSE HEADACHES, NAUSEA, AND VOMITING.
Medical Cond Aggravated By Exposure: RESPIRATORY AILMENTS
First Aid: FOR CONTACT WITH SKIN OR CLOTHES WASH WITH SOAP & WATER; WASH
CLOTHES BEFORE REUSE. FOR CONTACT WITH EYES, FLUSH WITH WATER FOR 15 MINUTES
& CONTACT A PHY

SICIAN/OPHTHALMOLOGIST IMMEDIATELY. IF SWALLOW ED, DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL AID. INHAL: REMOVE TO FRESH AIR & GIVE ARTIFICIAL RESPIRATION IF NECESSARY. GET MED AID. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

=====
Handling and Disposal
=====

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. MOP SPILLS WITH INERT ABSORBENT. AVOID BREATHING VAPORS.

Waste Disposal Methods: DISPOSE IN ACCORD WITH FEDERAL, STATE & LOCAL REGULATIONS. DO NOT PUNCTURE, INCINERATE OR STORE ABOVE 120F. EXPOSURE TO HEAT OR PROLONGED EXPOSURE TO SUN MAY CAUSE CAN TO BURST. DISCARD EMPTY CAN IN TRASH PICKUP. DO NOT PLACE IN HOME TRASH COMPACTOR.

Handling And Storage Precautions: KEEP OUT OF REACH OF CHILDREN. CAUTION- CONTENTS UNDER PRESSURE. DO NOT STORE WHERE TEMPERATURES MAY EXCEED 120F. AVOID BREATHING SPRAY, MIST OR VAPOR

Other

Precautions: AVOID CONTACT WITH EYES AND SKIN. USE WITH GOOD VENTILATION. READ ENTIRE LABEL BEFORE USING. FOLLOW ALL LABEL DIRECTIONS. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING OR SWALLOWING CONTENTS MAY BE HARMFUL OR FATAL.

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

Flash Point Text: NONE

Lower Limits: 1.8

Upper Limits: 9.5

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 TO PROTECT PERSONNEL AGAINST BURSTING, RUPTURING, OR VENTING OF CONTAINERS.

Unusual Fire/Explosion Hazard: DO NOT SPRAY NEAR OPEN FLAME. AT ELEVATED TEMPERATURE (OVER 120F) CONTAINERS MAY VENT, RUPTURE OR BURST. AEROSOL CONTAINERS: DO NOT EXPOSE TO TEMPERATURE >120F.

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

Respiratory Protection: NONE BELOW TLV. USE NIOSH/MSHA APPROVED MASK ABOVE TLV.

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

Protective Gloves: TO PROTECT SKIN

Eye Protection: CHEMICAL SPLASH GOGGLES

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

Work Hygienic Practices: USE GOOD PERSONAL

NAL HYGIENE. DO NOT EAT, DRINK OR SMOKE
WHILE USING PRODUCT.

Supplemental Safety and Health: SPECIFIC GRAVITY, AEROSOL = 0.877. FLASH POINT
PROPELLANT = -156F/-104.4C.

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

B.P. Text: 118F,48C
M.P/F.P Text: NA
Decomp Text: NA
Vapor Pres: 80 @ 70F
Vapor Density: >1.0
Spec Gravity: 1.051 PRODUCT
PH: NA
Solubility in Water: NEGLIGIBLE
Appearance and Odor: A
MBER, PETROLEUM
Percent Volatiles by Volume: NA
Corrosion Rate: NA

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

Stability Indicator: YES
Stability Condition To Avoid: EXTREME HEAT
Materials To Avoid: NA
Hazardous Decomposition Products: CARBON MONOXIDE AND POSSIBLE HYDROGEN
CHLORIDE
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NA

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

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 0FTT5
Trans ID NO: 50294
Product ID: SO-SURE WATER DISPLACING COMPOUND, 0914-400, AEROSOL
MSDS Prepared Date: 02/28/1996
Review Date: 09/20/1996
MFN: 3
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: BX

Container QTY: G

=====
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 Hazard 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
IA

TA 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 WATER DISPLACING COMPOUND, 0914-400, AEROSOL
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: 10/12/1999
Status Code: A
Origination Code: G

Hazard And Precautions: CONCENTRATING & INHALING CONTENTS MAY
BE

HARMFUL/FATAL. REPORTS ASSOCIATE REPEATED/PROLONGED OVEREXPOSURE W/PERM
BRAIN

& NERVOUS SYSTEM DAMAGE. IN CONFINED AREA, VAPOR IN HIGH CONCENTRATION IS
ANESTHETIC. SKIN/RESPIRATORY TRACT IRRIT. LIGHTHEADED, STAGGERING,
GIDDINESS, NAUSEA. HARMFUL IF SWALLOWED. SEVERE EYE IRRIT.

=====
Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defen

se.

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.