

LHB INDUSTRIES -- SO-SURE ZINC CHROMATE GREEN COLOR T,34151(84-

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MSDS Safety Information
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FSC: 8010

NIIN: 00-899-8825

MSDS Date: 08/01/1993

MSDS Num: BPRKX

Product ID: SO-SURE ZINC CHROMATE GREEN COLOR T,34151(84-348)

MFN: 04

Responsible Party

Cage: 0FTT5

Name: LHB INDUSTRIES

Address: 8833 FLEISCHER PLACE

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City: ST. LOUIS MO 63134

Info Phone Number: 314-522-3141

Emergency Phone Number: 314-522-3141/800-424-9300(CHEMTREC)

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: 0FTT5

Name: LHB INDUSTRIES

Address: 8833 FLEISCHER PLACE

City: ST. LOUIS MO 63134

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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 Information
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Item Manager: GSA

Item Name: PRIMER COATING

Specification Number: TT-P-1757A

Unit of Issue: PT

UI Container Qty: 0

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Ingredients
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Cas: 8030-30-6
RTECS #: DE3030000
Name: VM&NAPHTHA
% Wt: 1.31
Other REC Limits: NONE SPECIFIED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA III)
% Wt: <15.83
Other REC Limits: NONE SPECIFIED
OSHA PEL: 200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 67-64-1
RTECS #: AL3150000
Name: ACETONE
(SARA III)
% Wt: 6.18
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000PPM
ACGIH TLV: 750PPM/1000STEL;9293
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 74-98-6
RTECS #: TX2275000
Name: PROPANE
% Wt: 15.25
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM

Cas: 75-28-5
RTECS #: TZ4300000
Name: ISOBUTANE
% Wt: 6.00
Other REC Limits: NONE SPECIFIED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: 800 PPM

Cas: 106-97-8
RTECS #: EJ4200000
Name: N-BUTANE
% Wt: 3.75
Other REC Limits: NONE SPECIFIED
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM

Cas: 78-83-1
RTECS #: NP9625000
Name: ISOBUTYL ALCOHOL
% Wt: 1.31
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM
ACGIH TLV: 50 PPM; 9293
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 13530-65-9
RTECS #: GB3290000
Name: ZINC CHROMATE (SARA III)
% Wt: 6.53
Other REC Limits: NONE SPECIFIED
OSHA
PEL: 0.1 MG/M3
ACGIH TLV: 0.05 MG/M3

Cas: 75-09-2
RTECS #: PA8050000
Name: METHYLENE CHLORIDE (SARA III)
% Wt: 28.18
Other REC Limits: NONE SPECIFIED
OSHA PEL: 500 PPM
ACGIH TLV: 100 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 110-19-0
RTECS #: AI4025000
Name: ISOBUTYL ACETATE
% Wt: 2.61
Other REC Limits: NONE SPECIFIED
OSHA PEL: 150 PPM
ACGIH TLV: 150 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 142-82-5
RTECS #: MI7700000
Name: N-HEPTANE
% Wt: 3.92
Other REC Limits: NONE SPECIFIED
OSHA PEL: 500 PPM/500 STEL
ACGIH TLV: 400 PPM/500STEL;9293

Cas: 64475-85-0
RTECS #: PY8240000
Name: MINERAL SPIRITS
% Wt: <1.31
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM

Cas: 107-98-2
RTECS #: UB7700000
Name: GLYCOL ETHER PM
% Wt: 2.61
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
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RTECS #: 9999999VO
Name: VOC: 88% 756 G/L
Other REC Limits: NONE SPECIFIED
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Health Hazards Data
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: YES
IARC: YES
OSHA: NO
Effects of Exposure: TARGET ORGANS:EYES, SKIN, CNS, RESPIRATORY TRACT. ACUTE
& CHRONIC- INTENTIONA

L ABUSE MAY BE HARMFUL/FATAL. IN CONFINED AREAS
VAPORS IN HIGH CONCENTRATIONS ARE ANESTHETIC. MAY CAUSE SEVERE EYES IRRITATION. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED.
OVEREXPOSURE MAY CAUSE PERMANENT BRAIN & CNS DAMAGE.

Explanation Of Carcinogenicity: CONTAINS CHROMIUM.

Signs And Symptoms Of Overexposure: EYES, SKIN, RESPIRATORY TRACT IRRITATION, HEADACHE, DIFFICULTY IN BREATHING, NAUSEA, VOMITING,

Medical Cond Aggravated By Exposure: PREEXISTING RESPIRATORY DISORDERS

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INGESTION:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release P

Procedures: LEAKING CONTAINERS SHOULD BE PLACED OUTDOORS, IN AN OPEN CONTAINER, AWAY FROM SOURCES OF IGNITION. ALLOW PRESSURE TO DISSIPATE. VENTILATE AREA. ABSORB LIQUID WITH NON-FLAMMABLE ABSORBENT MATERIALS AND PLACE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS. DISPOSE OF EMPTY CANS IN TRASH PICK-UP. DO NOT PLACE IN HOME TRASH COMPACTOR.

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Handling And Storage Precautions: STORE SPRAY CANS IN COOL, WELL VENTILATED AREAS AWAY FROM SOURCES OF IGNITION SUCH AS SPARKS, FLAMES, WELDING ARCS, SUNLIGHT. DO NOT STORE ABOVE 120F.

Other Precautions: "EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE DANGEROUS. DO NOT CUT, WELD, SOLDER, DRILL/EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY. AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN.

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Fire and Explosion Hazard Information
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Flash Point Text: FLAMMABLE AEROSOL

Lower Limits: 1.8

Upper Limits: 9.5

Extinguishing Media: CARBON DIOXIDE, FOAM, SAND, DRY CHEMICAL, WATER SPRAY. AVOID SPREADING ANY BURNING LIQUID WITH WATER SPRAY.

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE INEFFECTIVE, BUT SHOULD NOT BE USED TO COOL FIRE-EXPOSED CONTAINERS

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Unusual Fire/Explosion Hazard: SPRAY CANS UNDER PRESSURE. EXTREMELY FLAMMABLE. EXPLOSION HAZARD EXISTS WHEN SPRAY CANS HEATED. DO NOT ENTER SPRAY CAN STORAGE AREA IF FIRE PRESENT.

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Control Measures
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Respiratory Protection: IF TLV IS EXCEEDED, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation: SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV. LOCAL EXHAUST PREFERRED.

Protective Gloves: PLASTIC, RUBBER, NEOPRENE

Eye Protection: CHEMICAL SAFETY GOGGLES IF SPRAYING

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices: USE ONLY AS DIRECTED ON LABEL. READ LABEL BEFORE USING PRODUCT. DO NOT BREATHE VAPORS. WASH HANDS BEFORE EATING.

Supplemental Safety and Health: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. CONTAINS GAS SIMILAR TO PROPANE. DO NOT USE IN CONFINED AREA OR AREA WITH LITTLE AIR MOVEMENT. EMPLOY MEANS TO PREVENT VAPOR BUILDUP. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A, B, OR C, SAME NSN.

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Physical/Chemical Properties
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HCC: V3

NRC/State LIC No: NOT RELEVANT

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: 3862 @ 68F

Vapor Density: >1.5

Spec Gravity: 0.859

Solubility in Water: INSOLUBLE

Appearance and Odor: GREEN/PAINT

Percent Volatiles by Volume: 88

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, OPEN FLAMES, SPARKS, DIRECT SUNLIGHT, TEMPERATURES ABOVE 120F

Materials To Avoid: UNKNOWN

Hazard

ous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND POSSIBLE
HYDROGEN CHLORIDE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT

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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: 0FTT5

Trans ID NO: 90733

Product ID: SO-SURE ZINC CHROMATE GREEN COLOR T,34151(84-348)

MSDS Prepared Date: 08/01/1993

Review Date: 08/02/1994

MFN: 4

Net Unit Weight: UNKNOWN

AF MMAC Code: NR

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: PT

Container QTY: 0
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Detail DOT Information
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DOT PSN Code: AGC

DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,

DOT PSN M

odifier: (EACH NOT EXCEEDING 1 L CAPACITY)

Hazard Class: 2.1

UN ID Num: UN1950

Label: FLAMMABLE GAS

Special Provision: N82

Non Bulk Pack: NONE

Bulk Pack: NONE

Max Qty Pass: 75 KG

Max Qty Cargo: 150 KG

Vessel Stow Req: A

Water/Ship/Other Req: 40,48,85

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Detail IMO Information
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IMO PSN Code: AIY

IMO Proper Shipping Name: AEROSOL DISPENSERS ?

IMO PSN Modifier: ,WITH A CAPACITY OF 1000 CUBIC
CM OR LESS

IMDG Page Number: 9022

UN Number: 1950

UN Hazard Class: 9?

IMO Packaging Group: -

Subsidiary Risk Label: -

EMS Number: 2-13

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Detail IATA Information
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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

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Detail AFI Information
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AFI PSN Code: ALS

AFI Proper Shipping Name: AEROSOLS, NONFLAMMABLE, N.O.S.

AFI PSN Modifier: CONTAINING SUBSTANCES IN CLASS 8, PACKING GROUP I OR II

AFI Hazard Class: FORB

Back Pack Reference: FORBIDDEN

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HAZCOM Label
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Product ID: SO-SURE ZINC CHROMATE GREEN COLOR T,34151(84-348)

Cage: 0FTT5

Company Name: LHB INDUSTRIES

Street: 8833 FLEISCHER PLACE

City: ST. LOUIS MO

Zipcode: 63134

Health Emergency Phone: 314-522-3141/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 08/12/1994

Status Code: C

MFG Label NO: NOT RELEVANT

Label Date: 08/12/1994

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard

d: Moderate

Contact Hazard: Moderate

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS:EYES, SKIN, CNS, RESPIRATORY TRACT. ACUTE & CHRONIC- INTENTIONAL ABUSE MAY BE HARMFUL/FATAL. IN CONFINED AREAS VAPORS IN HIGH CONCENTRATIONS ARE ANESTHETIC. MAY CAUSE SEVERE EYES IRRITATION. IRRITATION TO SKIN & RESPIRATORY TRACT. HARMFUL IF SWALLOWED. MAY CAUSE PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. STORE IN COOL, WELL VENTILATED AREAS AWAY FROM SOURCES OF IGNITION. ABSORB SPILL WITH NON-FLAMMABLE ABSORBENT. FIRST AID- GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:CALL DOCTOR AT ONCE

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