

LPS LABORATORIES,INC. -- PN:00057,00516,05128 LPS COLD GALVANIZE

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

FSC: 6850  
NIIN: 01-053-9224  
MSDS Date: 11/05/1991  
MSDS Num: BSFKB  
Product ID: PN:00057,00516,05128 LPS COLD GALVANIZE  
MFN: 02  
Responsible Party  
Cage: 66724  
Name: LPS LABORATORIES,INC.  
Address: 4647 HUGH HOWELL ROAD  
City: TUCKER GA 30084-5096  
Info Phone Number: 404-934-7800  
Emergency Phone Number: 800-424-9300(CHEMTREC)/404-934-7800  
Preparer's Name: JOHN ROUDEBUSH  
Review Ind: Y  
Published: Y

=====  
Preparer Co. when other than Responsible Party Co.  
=====

Cage: 66724  
Name: LPS LABORATORIES, INC.  
Address: 4647 HUGH HOWELL ROAD  
City: TUCKER GA 30085-5052

=====  
Contractor Summary  
=====

Cage: 0V040  
Name: KNOX IND  
Address: UNKNOWN  
Box: UNKNOWN  
City: UNKNOWN NK 00000  
Phone: UNKNOWN  
Cage: 42680  
Name: KNOX IND  
Address: UNKNOWN  
Box: UNKNOWN  
City: UNKNOWN NK 00000  
Phone: UNKNOWN  
Cage: 66724  
Name: LPS LABORATORIES, INC.  
Address: 4647 HUGH HOWELL ROAD  
City: TUCKER GA 30085-5052  
Phone: 404-934-7800

=====  
Item Description Information  
=====

=====

Item Manager: S9G  
Item Name: GALVANIZING COMPOUND  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: CN  
Quantitative Expression: 00000000014OZ  
UI Container Qty: 0  
Type of Container: UNKNOWN

=====

Ingredients

=====

Cas: 7440-66-6  
RTECS #: ZG8600000  
Name: ZINC (SARA 313) (CERCLA) METAL  
% Wt: 20-30  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH  
TLV: NOT ESTABLISHED  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

-----  
Name: EPOXY ESTER RESIN  
% Wt: 1-5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

-----  
Cas: 1330-20-7  
RTECS #: ZE2100000  
Name: XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)  
% Wt: 10-20  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 100 PPM  
ACGIH TLV: 100 PPM/150STEL;9596  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

-----  
Cas: 67-64-1  
RTECS #: AL3150000  
Name: ACETONE (SARA 313) (CERCLA) (AEROSOL ONLY)  
% Wt: 20-40  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000 PPM  
ACGIH TLV: 750PPM/1000STEL;9596  
EPA Rpt Qty: 5000 LBS  
DOT Rpt Qty: 5000 LBS

-----  
Cas: 68476-85-7  
RTECS #: SE7545000  
Name: LPG (LIQUEFIED PETROLEUM GAS) (PROPANE/ISOBUTANE)(AEROSOL ONLY)  
% Wt: 10-20  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000 PPM  
ACGIH TLV: 1000 PPM; 9596

=====

=====

Health Hazards Data

=====

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHAL:MAY CAUSE CNS DEPRESSION SEEN AS

HEAD,DIZZ,NAU,ANESTHETIC EFFECTS.EYE:IRRIT.SKIN:REP/PROL CONTACT MAY CAUSE DRYING OF SKIN.INGEST:CAN CAUSE SEVERE GASTROINTESTINAL DISTRESS.ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL

PNEUMONIA WHICH CANBE FATAL.

Explanation Of Carcinogenicity: PER MSDS:CHEMS LISTED AS POTENTIAL

CARC:NTP/IARC/

OSHA:NO.

Signs And Symptions Of Overexposure: CNS DEPRESSION SEEN AS

HEADACHE,DIZZINESS,NAUSEA,ANESTHETIC EFFECTS. EYE IRRIT, SIN DRYING, SEVERE GASTROINTESTINAL DISTRESS, ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONIA-FATAL.

Medical Cond Aggravated By Exposure: PRE-EXISTING EYE & SKIN DISORDERS MAYB E AGGRAVATED BY EXPOSURE TO ACETONE.

First Aid: INHAL:MOVE TO FRESH A

IR.CONTACT PHYSICIAN.ADMINISTER OXY IF BREATH

IS DIFFICULT.EYE:FLUSH W/PLENTY OF WATER & CONTACT PHYSICIAN.SKIN:WASH W/SOAP/WATER;APPLY MEDICATED SKIN CREAM.INGEST:DO NOT INDUCE V OMITING.CONTACT PHYSICIAN IMMED.MINUTE AMTS OF ASPIRATED INTO UNGS DURING INGESTION MAY CAUSE PULMONARY INJURY.

=====

Handling and Disposal

=====

Spill Release Procedures: VENTILATE AREA BY OPN DOORS/WINDOWS.

REMOVE IGN

SOURCES.REMOVE LEAK CNTNR,TRANSF REMAINING PROD TO ANOTHER VESSEL.PREVEN PROD

FRM GOING INTO SEWER/H2O SOURCES BY DIKING/IMPOUNDING.USING APPROP SAF EQPM T MOPUP/SOAKUP W/ABSORBENT MATL(SAND,CLAY).

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPO OF IAW LOCAL, STATE AND FEDERAL REGULATIONS.RCRA

HAZ WASTEN:MATL HAS RCRA CHARACTERISTIC OF IGN & IF DISCARD IN PURCHASED FORM WHOLD HAVE HAZ WASTE# D001.CERCLA RQ:1000LBS.SARA TITLE III CHEM:ZI

NC

METAL,XYLENE,ACETONE.

Handling And Storage Precautions: STORE AS LEVEL 2 AEROSOL(NFPA 30B).STORE BULK BELOW 110F & ABOVE 32F.STORE AWAY FROM IGN SOURCES & AVOID BREATH VAP/MIST.AVOID PROL/REP CONTACT W/SKIN

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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

Flash Point Method: TCC

Flash Point Text: 80.F,26.7C(BULK)

Lower Limits: 1

.2

Upper Limits: 7.0

Extinguishing Media: FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures: KEEP CONTAINERS COOL. TREAT AS XYLENE.

Unusual Fire/Explosion Hazard: INTENSIVE HEAT CREATED BY FIRE WILL CAUSE AEROSOLS TO BURST.

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

Respiratory Protection: NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED.FOR ENCLOSED AREAS USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR OR

SELF-CONTAINED BREATHING APPARATUS.

Ventilation: LOC EXHAU USUALLY ADEQUATE.HOWEVER MECH VENT SHOULD BE USED WHEN SPRAYING IN ENCLSD AREA.VAP CONC SHOULD BE MIN AS (SUPP

Protective Gloves: SOLVENT RESISTANT GLOVE FOR BRUSH/SPRAY

Eye Protection: FACE SHIELD,GOGGLES,SAFETY GLASSES

Other Protective Equipment: NONE

Work Hygienic Practices: WASH HANDS W/SOAP/WATER AFT USE &/OR BEFORE BREAKS,LUNCH & @END OF WORK PERIODS.REMOVE CONTAM CLOTH & LAUNDER BEF REUSE.

Supplemental Safet

y and Health: VENTI:MUCH AS POSSIBLE.

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

HCC: V3

B.P. Text: 281F,138C

Vapor Pres: 21

Vapor Density: >2

Spec Gravity: 2.10

Evaporation Rate & Reference: 0.6, BUTYL ACETATE=1

Solubility in Water: NIL

Appearance and Odor: GRAY OPAQUE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume: 57

=====  
Reactivity Dat

a

=====  
Stability Indicator: YES

Stability Condition To Avoid: AVOID SPARKS OR OPEN FLAMES.SEE HANLDING &  
STORAGE PRECAUTIONS.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD CARBON  
MONOXIDE & ZINC OXIDE.

Hazardous Polymerization Indicator: NO  
=====

Toxicological Information  
=====

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

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

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

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

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

Responsible Party Cage: 66724

Trans ID NO: 103530

Product ID: PN:00057,00516,05128 LPS COLD GALVANIZE

MSDS Prepared Date: 11/05/1991

Review Date: 07/08/1998

MFN: 2

Net Unit Weight: 14 OZ

AF MMAC Code: NR

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CN

Container QTY: 0

Type Of Container: UNKNOWN

Additional Da

ta: FLASH POINT=80F (BULK); PER MSDS:PROPER SHIPPING NAME:CONSUMER  
COMMODITY ORM-D.IAW IMDG AMDT 28-96 P SN IS AEROSOL, UN 1950, 2, PAGE  
2102.LABEL IAW COMPETENT AUTHORITY OF COUNTRY OF CONCERN.

=====  
Detail DOT Information  
=====

DOT PSN Code: AGC  
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,  
DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)  
Hazard Class: 2.1  
UN ID Num: UN1950  
Label: FLAMM  
ABLE 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

=====  
Detail IMO Information  
=====

IMO PSN Code: XXX  
=====

=====  
Detail IATA Information  
=====

IATA PSN Code: ALS  
IATA UN ID Num: 1950  
IATA Prop  
er 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 CA

PACITY)  
AFI Hazard Class: 2.1  
AFI UN ID NUM: UN1950  
Special Provisions: P4  
Back Pack Reference: A6.3

=====

HAZCOM Label

=====

Product ID: PN:00057,00516,05128 LPS COLD GALVANIZE  
Cage: 66724  
Company Name: LPS LABORATORIES, INC.  
Street: 4647 HUGH HOWELL ROAD  
City: TUCKER GA  
Zipcode: 30085-5052  
Health Emergency Phone: 800-424-9300(CHEMTREC)/404-934-7800  
Label Required IND: Y  
Date Of Label Review: 0  
7/08/1998  
Status Code: C  
Label Date: 07/08/1998  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: Severe  
Reactivity Hazard: None  
Hazard And Precautions: INHAL:CNS DEPRESS,ANESTHETIC  
EFFECTS.EYE:IRRIT.SKIN:REP/PROL CONTACT DRIES SKIN.INGEST:SEVERE GI  
DISTRESS.ASPIRATION INTO LUNGS CAN CAUSE CHEM PNEUMONIA-FATAL.TARGET  
ORGANS:EYE/SKIN/CNS/GI  
TRACT.1ST A ID: INHAL:MOVE TO FRESH AIR.CONTACT  
PHYSICIAN.ADMINISTER OXY IF BREATH IS DIFFICULT.EYE:FLUSH W/PLENTY OF WATER  
& CONTACT PHYSICIAN.SKIN:WASH W/SOAP/WATER;APPLY MEDICATED SKIN  
CREAM.INGEST:DO NOT INDUCE VOMITING.CONTACT PHYSICIAN IMMED.MINUTE AMTS OF  
ASPIRATED INTO UNGS DURING INGESTION MAY CAUSE PULMONARY INJURY.

=====

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 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.