

LPS LABORATORIES,INC. -- CFC-FREE ELECTRO CONTACT CLEANER,03105

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MSDS Safety Information

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FSC: 6850

NIIN: 01-412-0044

MSDS Date: 11/07/1996

MSDS Num: BYFHG

Product ID: CFC-FREE ELECTRO CONTACT CLEANER,03105

MFN: 01

Responsible Party

Cage: 66724

Name: LPS LABORATORIES,INC.

Address: 4647 HUGH HOWELL ROAD

City:

TUCKER GA 30084-5096

Info Phone Number: 770-934-7800

Emergency Phone Number: 770-934-7800/800-424-9300(CHEMTREC)

Resp. Party Other MSDS No.: P/N 03116,03101,03105,03155

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Item Description Information

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Item Manager: S9G

Item Name: CLEANING COMPOUND,SOLVENT

Specification Number: NONE

Type/Grade/Class: NONE

Unit of Issue: CN

Quantitative Expression: 00000000005GL

UI Container Qty: 0

Type o

f Container: CAN

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Ingredients

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Cas: 107-83-5

RTECS #: SA2995000

Name: ISOHEXANE

% low Wt: 70.

% high Wt: 90.

Other REC Limits: 1000 PPM STEL

OSHA PEL: 500 PPM

ACGIH TLV: 500 PPM

Cas: 67-63-0

RTECS #: NT8050000

Name: ISOPROPYL ALCOHOL (SARA 313)

% low Wt: 5.

% high Wt: 20.

Other REC Limits: 500 PPM STEL

OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM/500STEL;9596

Cas: 110-54-3
RTECS #: MN9275000
Name: HEXANE (N-HEXANE) (CERCLA)
% low Wt: 2.
% high Wt: 3.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM; 9596
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

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Health Hazards Data

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LD50 LC50 Mixture: LD50 (ORAL, RAT) IS UNKNOWN.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NT
P: NO
IARC: NO
OSHA: NO
Effects of Exposure: TARGET ORGANS: EYE, SKIN, CENTRAL NERVOUS SYSTEM,
RESPIRATORY TRACT. ACUTE- VAPOR AND LIQUID MAY CAUSE EYE IRRITATION.
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DRYNESS. CAN BE ABSORBED THROUGH
SKIN. INHALATION MAY CAUSE HEADACHE, LIGHT HEADEDNESS, CENTRAL NERVOUS
SYSTEM DEPRESSION. MAY IRRITATE MUCOSAL TISSUE AT HIGH CONCENTRATION.
INGESTION IS UNLIKELY ROUTE OF EXPOSURE. HOWEVER, MINUTE AMOUNTS ASPIRATED
INTO LUNGS DURING INGESTION MAY CAUSE CHEMICAL PNEUMONIA. CHRONIC - UNKNOWN.
Explanation Of Carcinogenicity: NONE
Signs And Symptoms Of Overexposure: IRRITATION, HEADACHE, NAUSEA, VOMITING,
DIZZINESS, SKIN DEFATTING AND DRYNESS, BLURRED VISION, TEARING
Medical Cond Aggravated By Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS,
EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE
TO THE EFFECTS OF THIS PRODUCT.
First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH AIR.
P
PROVIDE OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. APPLY MEDICATED CREAM.
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 Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF
IGNITION. VENTI

LATE AREA. CONTAIN AND PICK UP SPILL WITH NON-FLAMMABLE
ABSORBENT SUCH AS SAND OR EXPLOSION-PROOF PUMP. GROUND ALL HANDLING
EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.
Neutralizing Agent: NOT RELEVANT
Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS. RECYCLING OR INCINERATION FOR FUEL RECOVERY IS RECOMMENDED.
HAZARDOUS WASTE NUMBER: D001. CERCLA REPORTABLE QUANTITY: 5000 LBS
Handling And Storage Precautions: STORE IN COOL, VENT
ILATED AREA, AWAY FROM
FLAMES, SPARKS, HOT SURFACES & STRONG OXIDIZING AGENTS. KEEP CONTAINER
TIGHTLY CLOSED.
Other Precautions: EXTREMELY FLAMMABLE. "EMPTY" CONTAINERS RETAIN RESIDUE AND
CAN BE DANGEROUS. FOLLOW ALL LABEL INSTRUCTIONS. AVOID REPEATED/PROLONGED
SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS.

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Fire and Explosion Hazard Information
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Flash P
oint Method: TCC
Flash Point: <-17.8C, 0.F
Lower Limits: 1.2
Upper Limits: 7.7
Extinguishing Media: CARBON DIOXIDE, FOAM, SAND/DRY CHEMICAL. AVOID SPREADING
ANY BURNING LIQUID WITH WATER SPRAY. WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER
SPRAY.
Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL
CONSIDERABLE DISTANCE TO A SOURCE OF IG
NITION AND FLASH BACK. CONTAINERS MAY
RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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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: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTI
LATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves: RUBBER, NEOPRENE
Eye Protection: CHEMICAL SAFETY GOGGLES
Other Protective Equipment: EYE WASH STATION & SAFETY SHOWERS SHOULD BE
AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.
Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

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Physical/Chemical Properties
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HCC: F2
NRC/State LIC No: NOT RELEVANT
Boiling Point: =60.6C, 141.F
M.P/F.P Text: UNKNOWN
Decomp Text: UNKNOWN
Vapor Pres: 352 @ 100F
Vapor Density: 3.0
Spec Gravity: 0.665
Viscosity: UNKNOWN
Appearance and Odor: CLEAR, COLORLESS LIQUID - MILD ALCOHOL ODOR
Percent Volatiles by Volume: 100
Corrosion Rate: UNKNOWN

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Reactivity Data

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Stability In
dicator: YES
Stability Condition To Avoid: HIGH HEAT, OPEN FLAMES, SPARKS, HOT SURFACES,
ELECTRICAL ARCS, OTHER SOURCES OF IGNITION
Materials To Avoid: STRONG OXIDIZING AGENTS, OXYGEN
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE
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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Sara Title III Information: YES, CAS # 110-54-3

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Other

Information

Transportation Information

Responsible Party Cage: 66724
Trans ID NO: 134673
Product ID: CFC-FREE ELECTRO CONTACT CLEANER,03105
MSDS Prepared Date: 11/07/1996
Review Date: 11/06/1998
MFN: 1
Tech Entry NOS Shipping Nm: CONTAINS ISOHEXANE, ISOPROPANOL, N-HEXANE.
Radioactivity: NOT RELEVANT
Net Unit Weight: 27.9 LBS
AF
MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CN
Container QTY: 0
Type Of Container: CAN
Additional Data: PROPER SHIPPING NAME, HAZARD CLASS, UN ID NUMBER AND PACKING GROUP PER MSDS. MAXIMUM ALLOWED BY CARG O AIR: 60 LITERS.

Detail DOT Information

DOT PSN Code: GJJ
Symbols: G
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
Hazard Class: 3
UN ID Num: UN1993
D
OT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T8,T31
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5L
Max Qty Cargo: 60 L
Vessel Stow Req: B

Detail IMO Information

IMO PSN Code: HIN
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMDG Page Number: 3230
UN Number: 1993
UN Hazard Class: 3.2
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
ME

D First Aid Guide NUM: T

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Detail IATA Information

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IATA PSN BV

IATA UN ID Num: 1993

IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *

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

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Detail AFI Information

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AFI PSN BV

AFI Symbols: *

AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

AFI Hazard Class: 3

AFI UN ID NUM: UN1993

AFI Packing Group: II

Special Provisions: P5

Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: CFC-FREE ELECTRO CONTACT CLEANER,03105

Cage: 66724

Company Name: LPS LABORATORIES, INC.

Street: 4647 HUGH HOWELL ROAD

City:

TUCKER GA

Zipcode: 30085-5052

Health Emergency Phone: 770-934-7800/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 03/25/1999

Status Code: C

MFG Label NO: UNKNOWN

Year Procured: 1999

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: EYE, SKIN, CENTRAL NERVOUS SYSTEM,
RESPIRATORY

TRACT. ACUTE- VAPOR AND LIQUID MAY CAUSE EYE IRRITATION.
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DRYNESS. CAN BE ABSORBED THROUGH
SKIN. INHALATION MAY CAUSE HEADACHE, LIGHT HEADEDNESS, CENTRAL NERVOUS
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