

HOLT LLOYD CORP

-- LPS NOFLASH ELECTRO CONTACT CLEANER (04016)

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MSDS Safety Information  
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FSC: 7930  
NIIN: 01-398-0987  
MSDS Date: 12/01/1994  
MSDS Num: BXBVC  
Product ID: LPS NOFLASH ELECTRO CONTACT CLEANER (04016)  
MFN: 01  
Responsible Party  
Cage: 32861  
Name: HOLT LLOYD CORP  
Address: 4647 HUGH HOWELL RD  
City: TUCKER GA 30084-5004  
Info Phone Number: 404-934-7800  
Emergency Phone Number: 404-934-7800  
Preparer's Name: JOHN ROUDEBUSH  
Review Ind: Y  
Published: Y

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Preparer Co. when other than Responsible Party Co.  
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Contractor Summary  
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Cage: 32861  
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Address: 4647 HUGH HOWELL RD  
City: TUCKER GA 30084-5004  
Phone: 404-934-7800

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Item Description Information  
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Item Manager: S9G  
Item Name: CLEANING COMPOUND, SOLVENT - DETERGENT, LIQUID AEROSOL  
Specification Number: A-A-50425  
Type/Grade/Class: NONE  
Unit of Issue: BX  
UI Container Qty: 12-15OZ CN/BX  
Type of Container: AEROSOL

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Ingredients  
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Cas: 1717-00-6  
RTECS #: KI0997000  
Name: 1,1-DICHLORO-1-FLUOROETHANE (SARA 313)  
% Wt: 85-95  
Other REC Limits: 500 PPM WEEL  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Ozone Depleting Chemical: 2  
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Cas: 67-63-0  
RTECS #: NT8050000  
Name: ISOPROPYL ALCOHOL (ISOPROPANOL) (SARA III)  
% Wt: 3-5  
Other REC Limits: 500 PPM STEL  
OSHA PEL: 400 PPM  
ACGIH TLV: 400 PPM

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Cas: 124-38-9  
RTECS #: FF6400000  
Name: CARBON DIOXIDE PROPELLANT  
% Wt: 3-5  
Other REC Limits: 30,000 PPM STEL  
OSHA PEL: 10,000 PPM  
ACGIH TLV: 5,000 PPM

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO

Effects of Exposure: INHAL:RESPIRATORY IRRITATION.HIGH VAPOR CONCENTRATIONS INCLUDING OXYGEN DEFICIENT ATMOSPHERE IN ENCLOSED AREA CAN AFFECT NERVOUS SYSTEM,CAN CAUSE HEADACHE,DIZZINESS,DROWSINESS,CYANOSIS,UNCONSCIOUSNESS ,DEATH.IN SUSCEPTIBLE INDIVIDUALS,CARDIAC SENSITIZATION CAN RESULT IN POTENTIALLY FATAL HEARTBEAT IRREGULARITIES. EYES:\*\*

Signs And Symptoms Of Overexposure: \*\* VAPOR & LIQUID CAN IRRITATE EYES.SKIN:PROLONGED/REPEATED SKIN CONTACT CAN CAUSE DEFATTING & DRYING OF SKIN.CONTACT W/RAPIDLY VOLATILIZING LIQUID OR COLD VAPORS CAN CAUSE FROSTBITE

OR FREEZE BURNS T O TISSUE DUE TO CRYOGENIC (EXTREME LOW TEMP) EFFECTS.INGEST:CAN CAUSE NAUSEA,VOMITING,ABDOMINAL PAIN & UNCONSCIOUSNESS.

Medical Cond Aggravated By Exposure: IN PERSONS WITH IMPAIRED CARDIOVASCULAR FUNCTION, INHALATION OF VERY HIGH CONCENTRATIONS MAY RESULT IN CARDIAC ARRHYTHMIA.

First Aid: INHAL:REMOVE TO FRESH AIR.CALL DR,GIVE OXYGEN IF INDICATED. EYE:FLUSH EYES W/PLENTY WATER.GET MED AID. SKIN:WASH W/SOAP & WATER.GET MED AID.INGEST:DO NOT INDUCE VOMITING,CONTACT DR IMMED.IF CONSCIOUS GIVE ONE/TWO GLASSES OF WATER TO DRINK.NOTE TO DR: CAN CAUSE CARDIAC MUSCLE SENSITIZATION.DO NOT GIVE ADRENAL OR SIMILAR DRUGS. DO NOT ALLOW EXPOSED PERSON TO EXERCISE VIGOROUSLY FOR 24 HRS.

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Handling and Disposal  
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Spill Release Procedures: EVACUATE AREA, VENTILATE & AVOID BREATHING VAPORS. CONTAIN SPILL. REMOVE LEAKING CONTAINERS & TRANSFER PRODUCT TO ANOTHER VESSEL. CLEAN UP AREA BY MOPPING OR SOAK UP W/ABSORBENT MATERIAL. PLACE IN CLO SED CONTAINERS. DO NOT FLUSH TO SEWER.

Waste Disposal Methods: RECOVERED LIQUID MAY BE SENT TO LICENSED RECLAIMER OR INCINERATOR. CONSULT FEDERAL, STATE, AND/OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

Handling And Storage Precautions: STORE AEROSOLS <120F & >32F. STORE

MATERIALS IN DRY, WELL-VENTED AREA AWAY FROM IGNITION SOURCES. AVOID BREATHING

VAPORS & PROLONGED SKIN CONTACT.

Other Precautions: VAPORS ARE HEAVIER THAN AIR. PROLONGED CONTACT WITH ALUMINUM

PARTS IN A PRESSURIZABLE FLUID SYSTEM MAY CAUSE VIOLENT REACTIONS.

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Fire and Explosion Hazard Information  
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Flash Point Method: TCC

Flash Point Text: NONE

Lower Limits: 7.4

Upper Limits: 15.5

Extinguishing Media: USE WATER SPRAY OR FOG, CO2, DRY CHEMICAL OR WATER STREAM.

Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS APPROVED BY NIOSH DUE TO TOXICITY OF THERMAL DECOMPOSITION PRODUCTS. USE WATER SPRAY TO KEEP CONTAINERS COOL.

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

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Control Measures  
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Respiratory Protection: NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. IF VAPOR CONCENTRATION RISES ABOVE TLV, USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR. FOR LARGE SPILLS OR EMERGENCIES IN COMPLETELY ENCLOSED

A REAS, USE SCBA.

Ventilation: VENTILATE LOW LYING AREAS WHERE VAPORS MAY COLLECT. PROVIDE LOCAL

EXHAUST IF TLV IS EXCEEDED.

Protective Gloves: SYNTHETIC RUBBER GLOVES, NEOPRENE

Eye Protection: FACE SHIELD, GOGGLES, DON'T WEAR CONTACTS.

Other Protective Equipment: AS NECESSARY TO PREVENT PROLONGED OR REPEATED SKIN

CONTACT.

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Physical/Chemical Properties  
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HCC: V2

B.P. Text: 95.0F, 35.0C

Vapor Pres: 10 PSIA

Vapor Density: 4.0

Spec Gravity: 1.21 (H2O=1)

Evaporation Rate & Reference: >1 (CCL4=1)

Solubility in Water: 5%

Appearance and Odor: CLEAR, COLORLESS LIQUID WITH MILD, ETHEREAL ODOR

Percent Volatiles by Volume: 100

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: AVOID CONTACT WITH OPEN FLAME, ELECTRIC ARCS OR OTHER HOT SURFACES WHICH CAN CAUSE THERMAL DECOMPOSITION.

Materials To Avoid: REACTS VIOLENTLY W/SODIUM, POTASSIUM, BARIUM METAL. REACTS W/FINELY DIVIDED ALUMINUM, ZINC, MAGNESIUM. STRONG OXIDIZERS CAN \*

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD HYDROGEN

FLUORIDE, HYDROGEN CHLORIDE, CHLORINE, CARBON MONOXIDE, AND CARBON DIOXIDE.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: N/K \* ACCELERATE  
DECOMPOSITION.

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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: 32861  
Trans ID NO: 134281  
Product ID: LPS NOFLASH ELECTRO CONTACT CLEANER (04016)  
MSDS Prepared Date: 12/01/1994  
Review Date: 06/07/1995  
MFN: 1  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: BX  
Container QTY: 12-15OZ CN/BX  
Type Of Container: AEROSOL

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Detail DOT Information  
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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

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Detail IMO Information  
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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

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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: 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  
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=====  
HAZCOM Label  
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Cage: 32861  
Company Name: HOLT LLOYD CORP  
Street: 4647 HUGH HOWELL RD  
City: TUCKER GA  
Zipcode: 30084-5004  
Health Emergency Phone: 800-424-9300  
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: INHAL:RESPIRATORY IRRITATION.HIGH VAPOR  
CONCENTRATIONS

INCLUDING OXYGEN DEFICIENT ATMOSPHERE IN ENCLOSED AREA CAN AFFECT NERVOUS  
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