

LOS ANGELES CHEMICAL CO -- ISOPROPYL ALCOHOL

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MSDS Safety Information
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FSC: 6810
NIIN: 00-286-5435
MSDS Date: 03/01/1993
MSDS Num: CKQXT
Product ID: ISOPROPYL ALCOHOL
MFN: 01
Responsible Party
Cage: 75656
Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box: 1987
City: SOUTH GATE CA
90280
Info Phone Number: 213-562-9500
Emergency Phone Number: 213-562-9500
Resp. Party Other MSDS No.: LACCO / 324 - REVISION: D
Published: Y

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Contractor Summary
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Cage: 1M5U5
Name: EVERKLEEN ENTERPRISES
Address: 2125 S. HELLMAN AVE. SUITE G
City: ONTARIO CA 91761
Phone: 909-947-6068
Contract Number: SP0450-00-M-SE57
Cage: 75656
Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box:
1987
City: SOUTH GATE CA 90280
Phone: 213-562-9500

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Item Description Information
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Item Manager: S9G
Item Name: ISOPROPYL ALCOHOL, TECHNICAL
Specification Number: TT-I-735A
Type/Grade/Class: GRADE A
Unit of Issue: GL
UI Container Qty: 6
Type of Container: CAN

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Ingredients
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Cas:

67-63-0
RTECS #: NT8050000
Name: ISOPROPYL ALCOHOL
Percent by Wt: 100.
OSHA PEL: 980 MG/M3;400 PPM
ACGIH TLV: 983 MG/M3;400 PPM
ACGIH STEL: 1230 MG/M3;500 PPM

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Health Hazards Data
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LD50 LC50 Mixture: ORAL RAT = 5840 MG/KG

Effects of Exposure: AT 400 PPM, VAPORS OF ISOPROPANOL (IPA) MAY CAUSE MILD IRRITATION OF THE EYES, NOSE & THROAT. PROLONGED EXPOSURES ABOVE THE TLV MAY CAUSE

NAUSEA, HEADACHE & MILD NARCOSIS. THE LIQUID IS IRRITATING TO THE EYES. IF NOT PROMPTLY REMOVED, IPA MAY CAUSE EYE DAMAGE. REPEATED OR PROLONGED CONTACT WITH SKIN MAY CAUSE IRRITATION & DERMATITIS. WHILE TOXIC SKIN ABSORPTION IS UNLIKELY, IT SHOULD BE CONSIDERED IN MEETING THE TLV. INGESTION OF IPA WILL CAUSE BURNING OF THE GASTROINTESTINAL TRACT, NAUSEA, VOMITING, BLEEDING, CNS DEPRESSION, HEMOLYSIS, & PULMONARY DAMAGE. INGESTION OF 100 ML CAN BE FATAL.

Signs And Sympt

ions Of Overexposure: MAY CAUSE MILD IRRITATION OF THE EYES, NOSE & THROAT. PROLONGED EXPOSURES ABOVE THE TLV MAY CAUSE NAUSEA, HEADACHE & MILD NARCOSIS. THE LIQUID IS IRRITATING TO THE EYES & PRODUCES INTENSE STINGING & BURNING. REPEATED OR PROLONGED CONTACT WITH SKIN MAY CAUSE IRRITATION & DERMATITIS. INGESTION OF IPA WILL CAUSE BURNING OF THE GASTROINTESTINAL TRACT, NAUSEA, VOMITING, BLEEDING, CNS DEPRESSION, HEMOLYSIS, & PULMONARY DAMAGE.

First Aid: EYE:

FLUSH EYES, INCLUDING UNDER EYELIDS WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION (IN-PLANT, COMMUNITY, PARAMEDIC). SKIN: FLUSH EXPOSED AREA WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE VICTIM TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING AS REQUIRED. GET MEDICAL HELP. INGESTION: GIVE VICTIM MILK OR WATER. INDUCE VOMITING BY STICKING FINGER TO BACK OF THROAT. CONTACT A PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO A PERSON WHO IS UNCONSCIOUS OR IS HAVING CONVULSIONS.

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Handling and Disposal
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Spill Release Procedures: REMOVE ALL SOURCES OF HEAT & IGNITION. PROVIDE MAXIMUM EXPLOSION-PROOF VENTILATION. EVACUATE ALL PERSONNEL. REMOVE LEAKING CONTAINER TO SAFE PLACE IF FEASIBLE. WEAR PROTECTION AGAINST LIQUID & VAPOR INHALATION. ABSORB SMALL

SPILL WITH PAPER TOWELS, EVAPORATE IN EXHAUST HOOD, LARGE SPILL: CONTAIN & COLLECT OR ABSORB IN VERMICULITE, SAVE IN DRUMS FOR DISPOSAL. DO NOT FLUSH TO WATER COURSE.

Waste Disposal Methods: BURN WASTE LIQUID IN AN APPROVED INCINERATOR OR DISPOSE OF VIA LICENSED WASTE DISPOSAL COMPANY. ABSORBED LIQUID CAN BE LANDFILLED. FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: STORE IN CLOSED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM OXIDIZERS, HEAT, SPARKS, AND OPEN FLAME.

PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: USE ONLY WITH ADEQUATE VENTILATION. AVOID INHALATION OF VAPOR & REPEATED OR PROLONGED CONTACT WITH THE SKIN. REMOVE CONTAMINATED CLOTHING IMMEDIATELY. GROUND & BOND CONTAINERS & EQUIPMENT WHEN TRANSFERRING OR POURING LIQUID. USE NON-SPARKING TOOLS. DO NOT EAT OR SMOKE IN AREAS WHERE THIS MATERIAL IS BEING USED OR HANDLED

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Fire and Explosion Hazard Information
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Flash Point Method: CC

Flash Point: =11.7C, 53.F

Autoignition Temp: =398.9C, 750.F

Lower Limits: 2.0

Upper Limits: 12.0

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

Fire Fighting Procedures: USE WATER SPRAY TO COOL FIRE-EXPOSED TANKS/CONTAINERS. A FINE WATER MIST MAY BE USED TO SMOTHER FIRE OR TO DISPERSE VAPORS. DO NOT USE A SOLID STREAM OF WATER SINCE THE STREAM WILL SCATTER & SPR

EA D TH E FIRE. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING WHEN FIGHTING FIRES.

Unusual Fire/Explosion Hazard: ISOPROPYL ALCOHOL IS AN OSHA CLASS 1B FLAMMABLE LIQUID. IT IS A DANGEROUS FIRE HAZARD/ MODERATE EXPLOSION HAZARD WHEN EXPOSED TO HEAT, FLAMES OR OXIDIZERS. AT 20C, THE VAPOR SPACE (SATURATED) ABOVE I SOPROPYL ALCOHOL CONTAINS ABOUT 4.3 VOLUME % OF VAPOR. VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL A CONSIDERABLE DISTANCE

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Control Measures
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Respiratory Protection: FOR EMERGENCY OR NONROUTINE EXPOSURE WHERE THE TLV MAY BE EXCEEDED, USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR.

Ventilation: PROVIDE GENERAL & LOCAL EXHAUST VENTILATION (EXPLOSION-PROOF) TO MEET TLV REQUIREMENT. FUME HOODS SHOULD HAVE A MINIMUM FACE VELOCITY OF 100 LFM.

Protective Gloves: WEAR IMPERVIOUS GLOVES TO PREVENT CONTACT WITH THE S

KIN.

Eye Protection: WEAR SAFETY GLASSES TO PREVENT CONTACT WITH THE EYES.

Other Protective Equipment: WEAR PROTECTIVE CLOTHING INCLUDING BOOTS, APRON & FACE-SHIELD OR SPLASH GOGGLES. EYEWASH STATIONS & SAFETY SHOWERS SHOULD BE AVAILABLE IN USE AND HANDLING AREAS.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. DO NOT EAT OR SMOKE IN AREAS WHERE THIS MATERIAL IS BEING USED OR HANDLED. REMOVE CONTAMINATED CLOTHING IMMEDIATELY & DO NOT REUSE UNTIL IT HAS BEEN PROPERLY LAUNDERED

Supplemental Safety and Health: ALL ELECTRICAL SERVICE IN USE OR STORAGE AREAS SHOULD HAVE AN EXPLOSION-PROOF DESIGN. CONTACT LENSES POSE A SPECIAL HAZARD; SOFT LENSES MAY ABSORB AND ALL LENSES CONCENTRATE IRRITANTS.

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Physical/Chemical Properties
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HCC: F2

Boiling Point: =82.2C, 180.F

B.P. Text: 1 ATM

Melt/Freeze Pt: =-88.5C, -127.3F

Vapor Pres: 33@20C MMHG

Vapor Density: 2.07

Spec G

avity: 0.786

Viscosity: 20C CPS - 2.4

Evaporation Rate & Reference: 2.6 (CC14=1)

Solubility in Water: COMPLETELY SOLUBLE

Appearance and Odor: CLEAR COLORLESS LIQUID WITH A SLIGHT NON-RESIDUAL ALCOHOL TYPE ODOR.

Percent Volatiles by Volume: CA100,20C

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Reactivity Data
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Stability Indicator: YES TRONG OXIDIZING AGENTS.

Stability Condition To Avoid: MATERIAL IS STABLE IN CLOSED CONTAINERS AT ROOM

TEMPERATURE UNDER NORMAL STORAGE AND HANDLING CONDITIONS. DO NOT STORE IN ALUMINUM CONTAINERS.

Materials To Avoid: ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, HYDROGEN-PALLADIUM COMBINATION, HYDROGEN PEROXIDE-SULFURIC ACID COMBINATION, POTASSIUM TERT-BUTOXIDE, HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM, PHOSGENE, OLEUM, PERCHLORIC ACID, AND

Hazardous Decomposition Products: THERMAL-OXIDATIVE DEGRADATION PRODUCTS CAN INCLUDE CARBON MONOXIDE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Transport Information: PSN: I
SOPROPANOL, 3, UN1219.

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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 75656
Trans ID NO: 154070
Product ID: ISOPROPYL
ALCOHOL
MSDS Prepared Date: 03/01/1993
Review Date: 07/17/2000
MFN: 1
Net Unit Weight: 6.55 LB/GL
Multiple KIT Number: 0
Unit Of Issue: GL
Container QTY: 6
Type Of Container: CAN

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Detail DOT Information
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DOT PSN Code: HWY
DOT Proper Shipping Name: ISOPROPANOL OR ISOPROPYL ALCOHOL
Hazard Class: 3
UN ID Num: UN1219
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T1
Pac

kaging Exception: 150
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code: ITA
IMO Proper Shipping Name: ISOPROPANOL
IMDG Page Number: 3244
UN Number: 1219
UN Hazard Class: 3.2
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-06
MED First Aid Guide NUM: 305
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Detail IATA Information
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IATA PSN Code: ONH
IATA UN ID Num: 1219
IATA Proper Shipping Name: ISOPROPANOL
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 Code: ONH
AFI Prope
r Shipping Name: ISOPROPANOL
AFI Hazard Class: 3
AFI UN ID NUM: UN1219
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3
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HAZCOM Label
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Product ID: ISOPROPYL ALCOHOL
Cage: 75656
Company Name: LOS ANGELES CHEMICAL CO
Street: 4545 ARDINE ST
PO Box: 1987
City: SOUTH GATE CA
Zipcode: 90280
Health Emergency Phone: 213-562-9500
Label Required IND: Y
Date Of Label Review:

05/15/2001

Status Code: A

Origination Code: G

Hazard And Precautions: AT 400 PPM, VAPORS OF ISOPROPANOL (IPA) MAY CAUSE MILD IRRITATION OF THE EYES, NOSE & THROAT. PROLONGED EXPOSURES ABOVE THE TLV MAY CAUSE NAUSEA, HEADACHE & MILD NARCOSIS. THE LIQUID IS IRRITATING TO THE EYES. IF NOT PROMPTLY REMOVED, IPA MAY CAUSE EYE DAMAGE. REPEATED OR PROLONGED CONTACT WITH SKIN MAY CAUSE IRRITATION & DERMATITIS. WHILE TOXIC SKIN ABSORPTION IS UNLIKELY, IT SHOULD BE CONSIDERED IN MEETING THE TLV. INGESTION OF IPA WILL CAUSE BURNING OF THE GASTROINTESTINAL TRACT, NAUSEA, VOMITING, BLEEDING, CNS DEPRESSION, HEMOLYSIS, & PULMONARY DAMAGE. INGESTION OF 100 ML CAN BE FATAL.

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