

OSU COLLEGE OF BIOLOGICAL SCIENCES MSDS FILE

CSD -- ISOPROPYL ALCOHOL - ISOPROYL ALCOHOL, TECHNICAL
MATERIAL SAFETY DATA SHEET

FSC: 6810

NIIN: 008556160

Manufacturer's CAGE: 4N760

Part No. Indicator: A

Part Number/Trade Name: ISOPROPYL ALCOHOL

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General Information
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Item Name: ISOPROYL ALCOHOL, TECHNICAL

Company's Name: CSD INC.

Company's Street: 5-HACKBURRY STREET

Company's P. O. Box: 687

Company's City: CONROE

Company's State: TX

Company's Country: US

Company's Zip Code: 77305

Company's Emerg Ph #: 704-821-9822

Company's Info Ph #: 704-821-9822

Record No. For Safety Entry: 004

Tot Safety Entries This Stk#: 014

Status: SM

Date MSDS Prepared: 29SEP86

Safety Data Review Date: 07MAR96

Supply Item Manager: CX

MSDS Preparer's Name: UNKNOWN

MSDS Serial Number: BGSXK

Specification Number: TT-I-735

Spec Type, Grade, Class: B GRADE

Hazard Characteristic Code: F3

Unit Of Issue: CN

Unit Of Issue Container Qty: 5.0 GL

Type Of Container: 1A1 24/36GAGE

Net Unit Weight: 32.5 LBS

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Ingredients/Identity Information
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Proprietary: NO

Ingredient: ISOPROPYL ALCOHOL (SARA III)

Ingredient Sequence Number: 01

Percent: 99.0

NIOSH (RTECS) Number: NT8050000

CAS Number: 67-63-0

OSHA PEL: 400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

Physical/Chemical Characteristics

Appearance And Odor: CLEAR,COLORLESS LIQUID WITH ODOR OF RUBBING ALCOHOL.

Boiling Point: 180F/82C

Melting Point: -127F,-88C

Vapor Pressure (MM Hg/70 F): 33

Vapor Density (Air=1): 2.1

Specific Gravity: 0.78

Evaporation Rate And Ref: 1.7 (BUTYL ACETATE=1)

Solubility In Water: COMPLETE

Percent Volatiles By Volume: 100

Fire and Explosion Hazard Data

Flash Point: 53F/11.6C

Flash Point Method: TCC

Lower Explosive Limit: 2.0

Upper Explosive Limit: 12.0

Extinguishing Media: DRY CHEMICAL,WATER SPRAY,WATER FOG,CO2,FOAM.

Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED AREA.

Unusual Fire And Expl Hazrds: AVOID EXTREME HEAT,HOT METAL SURFACES.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): EXTREME TEMPERATURES,OPEN FLAMES,SPARKS

Materials To Avoid: STRONG OXIDIZERS,ALUMINUM,METAL NITROFORM,OLEUM

Hazardous Decomp Products: CO AND OTHER TOXIC GASES.

Hazardous Poly Occur: NO

Health Hazard Data

LD50-LC50 Mixture: ORAL LD50 (RAT) IS 5045 MG/KG

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY TRACT;COUGHING,SHORTNESS OF BREATH,DIZZINESS,AND INTOXICATION,POSSIBLE BURNING SENSATION,TEARING,REDNESS OR SWELLING OF EYES,CNS DEPRESSION, CHRONIC:IRRITATION,POSSIBLE DERMATITIS.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: ISOPROPANOL IS CLASSIFIED IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS DATA.

Med Cond Aggravated By Exp: NO DATA AVAILABLE.

Emergency/First Aid Proc: INHALATION:REMOVE TO FRESH AIR;SEEK MEDICAL HELP, INGESTION:DO NOT INDUCE VOMITING;CALL A PHYSICIAN IMMEDIATELY. SKIN AND EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES CALL FOR MEDICAL HELP IF NEEDED.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE PROPER PERSONAL PROTECTION:REMOVE ALL IGNITION SOURCES:CONTAIN FREE LIQUID;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL.

Neutralizing Agent: NOT APPLICABLE.

Waste Disposal Method: DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

Precautions-Handling/Storing: STORE IN COOL DRY AND WELL VENTILATED AREA. KEEP AWAY FROM HEAT,SPARK OPEN FLAMES.

Other Precautions: AVOID SKIN AND EYE CONTACT.DO NOT INHALE VAPORS/MISTS.

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Control Measures

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Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS/MIST IF ABOVE PEL/TLV.

Ventilation: LOCAL EXHAUST/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves: IMPERMEABLE/RUBBER

Eye Protection: SAFETY GLASSES/CHEMICAL GOGGLES

Other Protective Equipment: APRON,EYE-WASH,SAFETY SHOWER.

Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN:DO NOT BREATHE VAPORS/MIST.DO NOT USE CONTAMINATED CLOTHES.

Suppl. Safety & Health Data: NONE

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Transportation Data

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Trans Data Review Date: 96067
DOT PSN Code: HWY
DOT Proper Shipping Name: ISOPROPANOL OR ISOPROPYL ALCOHOL
DOT Class: 3
DOT ID Number: UN1219
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: ITA
IMO Proper Shipping Name: ISOPROPANOL
IMO Regulations Page Number: 3244
IMO UN Number: 1219
IMO UN Class: 3.2
IMO Subsidiary Risk Label: -
IATA PSN Code: ONH
IATA UN ID Number: 1219
IATA Proper Shipping Name: ISOPROPANOL
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: ONH
AFI Prop. Shipping Name: ISOPROPANOL
AFI Class: 3
AFI ID Number: UN1219
AFI Pack Group: II
AFI Label: FLAMMABLE LIQUID
AFI Basic Pac Ref: A7.3
MMAC Code: NR
Additional Trans Data: NONE
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Disposal Data

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Label Data
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Label Required: YES
Technical Review Date: 07MAR96
Label Date: UNDATED
Label Status: D
Common Name: ISOPROPYL ALCOHOL
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY TRACT;COUGHING,SHORTNESS OF BREATH,DIZZINESS,AND INTOXICATION,POSSIBLE BURNING SENSATION,TEARING,REDNESS OR SWELLING OF EYES,CNS DEPRESSION, CHRONIC:IRRITATION,POSSIBLE DERMATITIS. FIRST AID: INHALATION:REMOVE TO FRESH AIR;SEEK MEDICAL HELP, INGESTION:DO NOT INDUCE VOMITING;CALL A PHYSICIAN IMMEDIATELY. SKIN AND EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES CALL FOR MEDICAL HELP IF NEEDED.

Protect Eye: X

Protect Skin: X

Label Name: CSD INC.

Label Street: 5 HACKBERRY LANE

Label P.O. Box: 687

Label City: CONROE

Label State: TX

Label Zip Code: 77305

Label Country: US

Label Emergency Number: 409-756-1065

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