

MATERIAL SAFETY DATA SHEET  
VEDCO ISOPROPYL ALCOHOL 99%

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SECTION 1 - PRODUCT INFORMATION  
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Manufacturer: Sparhawk Laboratories  
Address: 12340 Santa Fe Trail Drive  
Lenexa Kansas 66215  
Emergency Phone: (800) 424-9300  
Trade Name: Isopropyl Alcohol 99%  
Chemical Name And Synonyms: Isopropyl Alcohol; 2-propanol;  
dimethyl carbinol  
Chemical Family: Alcohols Aliphatic  
Formula: (CH<sub>3</sub>)<sub>2</sub>CHOH

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SECTION 2 - HAZARDOUS INGREDIENTS  
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Isopropanol: 100% / 400 TLV Units  
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SECTION 3 - PHYSICAL DATA  
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Boiling Point (Deg F): 180  
Vapor Pressure (mm Hg): 33mmHg  
Vapor Density (Air = 1): 2.07  
Solubility In Water: Miscible  
Appearance And Odor: Colorless, clear liquid with alcoholic odor.  
Specific Gravity (H<sub>2</sub>O = 1): 0.786  
Volatile By Volume: 100  
Evaporation Rate: Butyl Acetate: 2.88  
Freezing Point: -88

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA  
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Flash Point (Method Used): 55( F)  
Flammable Limits: 2.1  
Extinguishing Media: Water fog, "alcohol foam", dry chemical or CO<sub>2</sub>  
Special Fire Fighting Procedures: Warning Flammable. Evacuate personnel, full bunker gear required including helmet with face shield, bunker coats, gloves, and rubber boots and a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.  
Unusual Fire And Explosion Hazards: Containers exposed to intense heat should be cooled with water to prevent vapor pressure build-up which could result in container rupture. Containers exposed to direct flames should be cooled with large quantities of water to prevent weakening of container structure. Vapors are heavier than air and may travel considerable distance to a source of ignition and flash back.

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SECTION 5 - HEALTH HAZARD DATA  
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Threshold Limit Value:  
Effects Of Overexposure: Pre-existing skin, eye and respiratory disorders may be aggravated by exposure.  
Eyes: May cause irritation to skin, eyes and throat

Skin: May cause irritation to skin.

Inhalation: May cause irritation to throat and nose

Ingestion: May cause irritation to gastrointestinal tract, vomiting and diarrhea. Large amounts may cause unconsciousness and possibly death.

Emergency First Aid Procedure:

Eyes: Flush eyes or skin with water and obtain medical attention.

Skin: NA

Inhalation: If breathing is difficult, remove victim to fresh air and provide oxygen and medical attention.

Ingestion: Induce vomiting. Get medical attention.

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## SECTION 6 - REACTIVITY DATA

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Stability: ( ) Unstable (XX) Stable

Conditions To Avoid: Heat, sparks and open flame.

Incompatibility ( Materials To Avoid): Conc, Nitric and Sulfuric Acid, strong oxidizers, aldehydes, halogens and halogen compounds.

Hazardous Polymerizations: ( ) May Occur ( XX ) Will Not Occur

Conditions To Avoid: None

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## SECTION 7 - SPILL OR LEAK PROCEDURE

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Steps To Be Taken In Case Material Is Released Or Spilled:

Eliminate sources of ignition. Wear suitable protective equipment. Flush with large amount of water or collect for disposal.

Waste Disposal Method:

Incinerate according to federal, state and local regulations.

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## SECTION 8 - SPECIAL PROTECTION INFORMATION

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Respiratory Protection (Specify Type): Self-contained breathing apparatus for high concentrations

Ventilation:

Local Exhaust:

Mechanical (General): should be satisfactory

Special: If large quantities stored or handled, use explosion proof ventilation to control vapor concentrations.

Protective Gloves: Rubber or Neoprene

Other Protective Equipment: Safety goggles

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## SECTION 9 - SPECIAL PRECAUTIONS

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Precautions To Be Taken In Handling And Storing:

Keep away from heat, sparks, and open flame. Avoid eye contact. Use with adequate ventilation.

Wash thoroughly after handling.

Other Precautions: Eye wash fountains or safety showers should be provided for emergency use.

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