

**THE TRIAD GROUP**

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**ISSUE DATE:** 29 JANUARY 2008**PRODUCT:** Alcohol Prep Pad

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**SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

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<b>Hazardous Components</b> (Specific Chemical Identity; Common Name(s))	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>%</b>
<b>Isopropanol (CAS 67-63-0)</b>	<b>400 ppm</b>	<b>400 ppm</b>	<b>TWA (980 mg/m<sup>3</sup>)</b>	<b>70% v/v</b>

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**SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS**

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Boiling Point: > 160° F  
Vapor Pressure (mm Hg.): 733  
Vapor Density (AIR = 1): > 2.0  
Specific Gravity (H<sub>2</sub>O = 1): 0.878  
Melting Point: NA – fluid at 0 C  
Evaporation Rate (Butyl Acetate = 1): > 7  
Solubility in Water: Soluble  
Appearance and Odor: water white clear solution with characteristic isopropanol odor

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**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

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Flash Point (Method Used): Approximately >78 ° F (TCC)  
Flammable Limits: NA  
LEL: 2  
UEL: 12  
Extinguishing Media: Water spray, dry chemical, carbon dioxide, alcohol foam  
Special Fire Fighting Procedures: NA  
  
Unusual Fire and Explosion Hazards: -none-

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## SECTION V: REACTIVITY DATA

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### Stability

Unstable: No  
Stable: Yes

Conditions to Avoid: NA

Incompatibility (Materials to Avoid): Anhydride, Isocyanate, and organometalic contamination

Hazardous Decomposition  
or Byproducts: Carbon Dioxide, Carbon Monoxide

### Hazardous

### Polymerization

May Occur: No  
Will Not Occur: Yes

Conditions to Avoid: NA

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## SECTION VI: HEALTH HAZARD DATA

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### Route(s) of Entry

Inhalation? Yes  
Skin? Yes  
Ingestion? Yes

Health Hazards (Acute and Chronic): Prolonged breathing of the vapors may cause coughing, shortness of breath, and intoxication. Eye contact may cause moderate, but temporary, irritation. Material can affect mucosal tissue and / or aggravate mucous membrane dysfunction. Ingestion may cause gastric distress. If swallowed, contact a **POISON CONTROL CENTER**.  
**KEEP OUT OF REACH OF CHILDREN.**

### Carcinogenicity

NTP? NA  
IARC Monographs? NA  
OSHA Regulated? NA

Signs and Symptoms of Exposure: Coughing, dizziness, and watery eyes.

### Medical Conditions Generally

Aggravated by Exposure: Sensitive or inflamed skin may become irritated.

Emergency and First Aid Procedures: Wash affected area with water. Seek medical attention. If large quantities are swallowed, administer warm water and contact a physician or poison control center. With eye contact, flush with water. If irritation persists, contact a physician.

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## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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- Steps to be Taken in Case  
Material is Released or Spilled: Eliminate all sources of ignition and flush with large quantities of water spray.
- Waste Disposal Method: Incineration. Dispose of in accordance with local, state and federal regulations.
- Precautions to Be Taken in Handling and Storing: Flammable Liquid. Keep away from ignition sources. Avoid temperatures in excess of 100 F (38 C)
- Other Precautions: **KEEP OUT OF REACH OF CHILDREN**

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## SECTION VIII: CONTROL MEASURES

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Respiratory Protection (Specify Type): Organic Vapor at user discretion.

### Ventilation

Local Exhaust: n/a  
Mechanical  
(General): n/a  
Special: NA  
Other: NA

Protective Gloves: n/a

Eye Protection: Goggles if using large quantities – Use eye bath if contact occurs.

Other Protective Clothing  
or Equipment: NA

Work / Hygienic Practices: Good hygienic practice

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## INTERNATIONAL TRANSPORTATION INFORMATION

Product Class: Class 4.1 with EXEMPTION A-46

UN Number: UN 3175 Solids containing flammable liquid, n.o.s. – with EXEMPTION A-46

Package Information: PGII

**A-46** Mixtures of solids which are not subject to these Regulations and Flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is packaged and the packaging is leak proof. Small inner packings consisting of sealed packets containing less than 10 ml of a Packing Group II or II flammable liquid absorbed into a solid material are not subject to these Regulations providing there is no free liquid in the packet.