

THE TRIAD GROUP
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ISSUE DATE: 1 January 2004
PRODUCT: Alcohol Pads, Swabs and Swabsticks

SECTION II – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other	%(optional)
Isopropanol	400ppm	400ppm	TWA (980mg/m ³)	70%
NFPA	Health = 0	Flammability = 3	Reactivity = 0	

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	> 180° F
Vapor Pressure (mm Hg.):	733
Vapor Density (AIR = 1):	> 2.0
Specific Gravity (H ₂ O = 1):	0.878
Melting Point:	NA
Evaporation Rate (Butyl Acetate = 1):	> 7.0
Solubility in Water:	Azeotrope
Appearance and Odor:	Clear, colorless with characteristic of IPA

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	70° F
Flammable Limits:	NA
LEL:	2
UEL:	12.0
Extinguishing Media:	CO ₂ , dry chemical, water spray, water fog, alcohol type foam.
Special Fire Fighting Procedures:	Wear proper protection, fight fire from safe distance.
Unusual Fire and Explosion Hazards:	Releases vapor below ambient temperatures. Vapors may travel long distances before igniting and flashing to vapor source.

SECTION V – REACTIVITY DATA

STABILITY

Unstable: No
Stable: Yes
Conditions to Avoid: NA

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

Hazardous Decomposition or Byproducts: Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION

May Occur: No
Will Not Occur: Yes
Conditions to Avoid: NA

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

Inhalation? Yes
Skin? Yes
Ingestion? Yes

Health Hazards (Acute and Chronic): Prolonged breathing of vapors may cause coughing, shortness of breath, intoxication. Eye contact may cause moderate irritation. Material can affect mucous tissue and/or aggravate mucous membrane dysfunction. Ingestion may cause gastric distress. Excessive ingestion may lead to coma or death.

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: If large quantities are ingested, administer warm water and contact physician. With eye contact, flush with water. If irritation persists, contact physician.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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: Atomize into an incinerator where appropriate federal, state and local regulations allow.

Precautions to Be Taken in Handling and Storing: Flammable. Keep away from sparks, flames, or high temperatures.

Other Precautions: Keep out of reach of children.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): NA

VENTILATION

Local Exhaust: Yes
Mechanical (General): Yes
Special: NA
Other: NA

Protective Gloves: NA

Eye Protection: Goggles: Use eye bath if eye contact occurs.

Other Protective Clothing or Equipment: NA

Work / Hygienic Practices: Good hygienic practice.

INTERNATIONAL TRANSPORT 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.