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**ISSUE DATE:** 2 February 1999  
**PRODUCT:** Alcohol Pads & Swabsticks (PSS #122)

## SECTION II – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| Hazardous Components<br>(Specific Chemical Identity; Common Name(s)) | OSHA PEL          | ACGIH TLV               | Other                       | % (optional) |
|--|-------------------|-------------------------|-----------------------------|--------------|
| <b>Isopropanol</b>   | 400ppm            | 400ppm                  | TWA (980mg/m <sup>3</sup> ) | 70%          |
| <b>NFPA</b>  | <b>Health = 0</b> | <b>Flammability = 3</b> | <b>Reactivity = 0</b>       |              |

## SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

|   |   |
|---|---|
| <i>Boiling Point:</i>                         | >180° F                                     |
| <i>Vapor Pressure (mm Hg.):</i>               | 733   |
| <i>Vapor Density (AIR = 1):</i>               | >2.0  |
| <i>Specific Gravity (H<sub>2</sub>O = 1):</i> | 0.878                                       |
| <i>Melting Point:</i>                         | NA  |
| <i>Evaporation Rate (Butyl Acetate = 1):</i>  | >7.0  |
| <i>Solubility in Water:</i>                   | Azeotrope                                   |
| <i>Appearance and Odor:</i>                   | 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<sub>2</sub>, 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 VII – 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 3.2

*UN Number:* UN1219

*Package Information:* PGII

Packing Instructions:

*Passenger Aircraft:* Do not ship in passenger aircraft

*Cargo Aircraft:* 307 (recommended)