

MATERIAL SAFETY DATA SHEET

OSHA "Hazard Communication" (29 CFR 1910.1200)

SECTION I—MANUFACTURER AND PRODUCT

Becton Dickinson Primary Care Diagnostics
 7 Loveton Circle
 Sparks, Maryland 21152
 Information Phone Number 1-800-638-8656
 Emergency Phone Number (301) 584-7169

Product Name and Catalog Number
Spraycyte
Catalog #: 7180

SECTION II—HAZARDOUS INGREDIENTS

Hazardous Chemical Name (Synonym)	%	Exposure Limit, Toxicity Data, CAS Number
Isopropyl Alcohol (Isopropanol)	49.9	TLV: 980 mg/m ³ ; Tox. Data: Man (oral); LDLo: 8600 mg/kg; PEL: 980 mg/m ³ ; CAS #67-63-0
Propane (Dimethylmethane)	4.8	TLV: Not Determined; Tox. Data: Not Determined; PEL: 1800 mg/m ³ ; CAS #74-98-6

SECTION III—PHYSICAL DATA

Product Component	Boiling Point °C	Vapor Pressure (mmHg)	Vapor Density (Air = 1)	Product Appearance and Odor
Isopropyl Alcohol	82	33	2.1	Clear, colorless liquid with odor of isopropanol
Propane	42.1 at 1 atm	760 mmHg at -42 °C	1.56 at 32 °F/0 °C	
Product	Not Determined	Not Determined	Not Determined	
	Sp. Grav.	% Volatile By Volume	Evaporation Rate (Butyl Acetate = 1)	Product Solubility in Water
Isopropyl Alcohol	0.79	100.0	2.83	Complete
Propane	0.58 at -42.1 °C	Not Determined	Not Determined	
Product	Not Determined	Not Determined	Not Determined	

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

Mixture Component	Flash Point (Method)	Flammable Limits Lel% Uel%	Extinguishing Media	Special Fire Fighting Procedures or Unusual Fire and Explosion Hazards
Isopropyl Alcohol	12 °C (CC)	2.0 12.0	Dry chemical Alcohol foam	Use water spray to cool area. Precautions should be taken to avoid hazards associated with ruptured gas cylinders.
Propane	-105 °C	Not Determined		
Product	Not Determined	Not Determined		

SECTION V—HEALTH HAZARD DATA

Component	Route(s) of Entry: Eyes, skin, inhalation. Health Hazards: (Acute and Chronic)
Isopropyl Alcohol	Eyes - may cause irritation. Skin - may cause irritation. Inhalation - may cause irritation to respiratory tract. Ingestion - may cause irritation to gastro-intestinal tract. Carcinogenicity: Not listed by NTP, IARC, or OSHA Medical Conditions Aggravated by Exposure: Not Determined. Emergency and First Aid Procedures: Eye - immediately flush with water for at least 15 minutes; Skin - flush affected area for 15 minutes; Inhalation: remove to fresh air, oxygen should be administered by trained personnel; Ingestion: give water to dilute, immediately contact medical personnel. Never try to give anything by mouth to an unconscious person. Always seek medical follow-up.

Component	Route(s) of Entry: Eyes, skin, inhalation. Health Hazards:
Propane	Eyes - may cause irritation. Skin - vapors may cause irritation, liquid may cause severe burns. Inhalation - may cause irritation and vomiting. Carcinogenicity: Not listed by NTP, IARC, or OSHA Medical Conditions Aggravated by Exposure: None reported. Emergency and First Aid Procedures: Eye - immediately flush with gently running water for at least 15 minutes; Skin - remove any contaminated clothing, rinse affected area with water then wash area with soap and water; Inhalation: remove to fresh air and support breathing as required. Only trained personnel should give oxygen if needed.

SECTION VI—REACTIVITY DATA

Product Component	Stable/Unstable	Conditions to Avoid	Incompatibility Materials to Avoid	Hazardous Polymerization
Isopropyl Alcohol	Stable	Heat, sunlight	Strong oxidizers	Will not occur
Propane	Stable	Excessive heat	Oxidizers, chlorine dioxide	Will not occur
Product	Stable	Not Determined	Not Determined	Will not occur

SECTION VII—SPILL OR LEAK PROCEDURES

Spill:

In the event of a spill, observe established precautions against all microbiological hazards. Disinfect the exposed area according to established precautions. Sterilize all contaminated material by autoclaving prior to discarding.

Waste Disposal:

- If a reagent is used to completion there is no hazardous waste generated. However, if a reagent is discarded prior to being completely used the discarded portion must be considered a hazardous waste and disposed of according to all current Federal, state and local regulations.
- CAUTION:** Because no test method can offer complete assurance that HIV, Hepatitis B Virus or other infectious agents are absent, all inoculated specimens and these reagents should be handled as though capable of transmitting an infectious disease. CDC recommends such material be handled at a Biosafety Level 2. Biosafety Level 2 is referenced in the Centers for Disease Control/National Institutes of Health Manual, Biosafety in the Biomedical and Microbiological Laboratories, 1988.

SECTION VIII—SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not required under normal product usage.

Ventilation: General and/or local to meet TLV requirements. When product is used in accordance with manufacturer's instructions TLV levels should not be reached.

Protective Gloves: Latex gloves recommended but not required.

Eye Protection: Safety glasses recommended.

Other Protective Equipment: Not required under normal product usage.