MATERIAL SAFETY DATA SHEET

B1055-5

OSHA "Hazard Communication" (29 CFR 1910.1200)

SECTION I—MANUFACTURER AND PRODUCT

Becton Dickinson Microbiology Systems
250 Schilling Circle
Cockeysville, Maryland 21030
Telephone For Information: (301) 771-0100
For Emergency: (301) 584-7169

Product Name and Catalog Number
Diagnostic Reagent Droppers
Voges Proskauer A 4361192

SECTION II—HAZARDOUS INGREDIENTS

Hazardous Chemical Name (Synonym)	%	*Exposure Limit, Toxicity Data, CAS Number*
Ethanol (Ethyl Alcohol)	12	TLV: 1000 ppm; PEL: 1000 ppm; CAS #64-17-5; Tox. Data: Man (oral) TDLo 50 mg/Kg GIT

SECTION III—PHYSICAL DATA

Product Component	*Boiling Point °C*	*Vapor Pressure (mmHg)*	*Vapor Density (Air = 1)*	*Product Appearance and Odor*
Ethanol	78.3	44	1.8	Plastic droppers with light tan solution.
Product	Not Determined	Not Determined	Not Determined	

	Sp. Grav. (H_2O = 1)	*% Volatile By Volume*	*Evaporation Rate (Butyl Acetate = 1)*	*Product Solubility in Water*
Ethanol	0.79	100	1.4	Not applicable
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*
Ethanol	50-55°F (TOC)	3.3	19.0	Waterspray	1. Liquid contained in dropper will not burn. 2. Plastic components of product will burn. However, extinguishing media used for fire fighting will be compatible.
Product	Not Determined	Not Determined			

SECTION V—HEALTH HAZARD DATA

Component	
Ethanol	*Route(s) of Entry: Inhalation, ingestion, skin* *Health Hazards:* *Eye - can cause burning and stinging sensation.* *Inhalation (5,000 ppm) - cause stupor and sleepiness.* *Ingestion - initially a stimulant then mental excitement, impaired vision.* *Skin - can cause defatting and dermatitis.* *Carcinogenicity: Not listed by NTP, IARC or OSHA* *Medical Conditions Aggravated by Exposure: Not Determined.* *Emergency First Aid: Eyes - flush with water for 15 minutes; Skin: wash with soap and water, if rash appears seek medical attention; Inhalation: remove to fresh air, seek medical follow-up; Ingestion: when excessive, induce vomiting, seek medical attention immediately.*

SECTION VI—REACTIVITY DATA

Product Component	*Stable/ Unstable*	*Conditions to Avoid*	*Incompatibility Materials to Avoid*	*Hazardous Polymerization*
Ethanol	Stable	Nitrate, Perchlorates, Elevated temperatures	Aluminum	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:

a. Wearing gloves absorb any liquid onto paper towels
b. Pickup all other contaminated material and place in BioBag
c. Autoclave all material before discarding
d. Disinfect the exposed area according to established precautions against microbiological hazards

Waste Disposal: This product contains hazardous material and must be disposed of according to current Federal, State and local regulations.

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 as directed, exposure limits are not expected to reach the TLV.**

Protective Gloves: **Not required under normal product usage.**

Eye Protection: **Safety glasses, eyewash should be available.**

Other Protective Equipment: **Not required under normal product usage.**

SECTION IX—SPECIAL PRECAUTIONS/COMMENTS

Observe established precautions against microbiological hazards throughout all procedures. Prior to discarding, sterilize specimen containers and other contaminated materials by autoclaving.

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By: Linda M. Owen

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