

MATERIAL SAFETY DATA SHEET

OSHA "Hazard Communication" (29 CFR 1910.1200)

14-910-12

SECTION I—MANUFACTURER AND PRODUCT

Becton Dickinson Microbiology Systems

250 Schilling Circle

Cockeysville, Maryland 21030

Telephone For Information: (301) 771-0100

For Emergency: (301) 584-7189

Product Name and Catalog Number

Diagnostic Reagent Dropper

Indole

4361185

SECTION II—HAZARDOUS INGREDIENTS

Hazardous Chemical Name (Synonym)	%	Exposure Limit, Toxicity Data, CAS Number
hydrochloric Acid Muriatic Acid	25.0	TLV: 10 mg/m ³ ; Tox. Data: Rabbit (oral); LD50: 900 mg/kg; PEL: 7 mg/m ³ CAS #7647-01-0
isobutyl Alcohol	62.3	TLV: 150mg/m ³ ; Tox. Data: RAT (skin); LD50: 4240 mg/kg; CAS #75-83-1

SECTION III—PHYSICAL DATA

Product Component	Boiling Point °C	Vapor Pressure (mmHg)	Vapor Density (Air = 1)	Product Appearance and Odor
HCL	100	Not Determined	1.268	Plastic dropper with pale yellow solution
isobutyl alcohol	1.08	10mm	2.55	
Product	Not Determined	Not Determined	Not Determined	
	Sp. Grav. (H ₂ O = 1)	% Volatile By Volume	Evaporation Rate (Butyl Acetate = 1)	Product Solubility in Water
HCL	1.18	100%	Not Determined	Not applicable
isobutyl alcohol	0.80	100	0.82	
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
I.C.L	Not Flammable	Not Flammable	Carbon dioxide Alcohol foam	1. Liquid contained in dropper will not burn. 2. Plastic components of product will burn. However, extinguishing media for fire-fighting will be compatible
isobutyl Alcohol	30°(Tcc)	1.2 10.8		
Product	Not Flammable	Not Flammable		

SECTION V—HEALTH HAZARD DATA

Component	Route(s) of Entry: Eye, skin, ingestion Health Hazards:
HCL	Eye - will cause irritation, severity, depends on concentration. Skin - will cause irritation. Ingestion - can cause burning of throat. Carcinogenicity: Not listed by NTP, IARC or OSHA Emergency First Aid Procedures: Eye - flush with water for 15 minutes, lifting upper & lower lids Skin: flush with copious amount of water Ingestion: give water to dilute. Do NOT induce vomiting. Medical Conditions Aggravated by Exposure: Not Determined

Component	Route(s) of Entry: Eye, skin, inhalation, ingestion Health Hazards:
isobutyl Alcohol	Eye - will cause irritation, possible damage. Skin - may cause irritation. Inhalation - may cause CNS depression. Ingestion - will irritate G.I. tract. Carcinogenicity: Not listed by NTP, IARC or OSHA First Aid: Eye Contact: Immediately flush eyes, including under eyelids with plenty of running water for 15 minutes; get medical attention (Inplant, paramedic, community). Skin Contact: Flush exposed skin area with plenty of water at once. Promptly remove contaminated clothing. Wash with soap and water. Inhalation: Remove to fresh air. Restore and/or support breathing if required. Get medical help if irritation persists or if symptoms of serious overexposure have occurred. Ingestion: Give victim milk or water as quickly as possible. Don't induce vomiting unless directed to do so. Contact a physician or Poison Control Center. Never give anything by mouth to a person who is unconscious or is having convulsions.

SECTION VI—REACTIVITY DATA

Product Component	Stable/ Unstable	Conditions to Avoid	Incompatibility Materials to Avoid	Hazardous Polymerization
HCL	Stable	Heat	Strong bases	Will not occur
isobutyl Alcohol	Stable	Oxidizers	Acetic aldehyde	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:

- Wearing gloves absorb any liquid onto paper towels
- Pickup all other contaminated material and place in BioBag
- Autoclave all material before discarding
- 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: Not required under normal product usage.

Protective Gloves: Latex gloves recommended.

Eye Protection: Safety glasses.

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: Dale M. Owen

Disclaimer

The information, data, and recommendations contained herein are believed to be accurate. Becton Dickinson