

MATERIAL SAFETY DATA SHEET

OSHA "Hazard Communication" (29 CFR 1910.1200)

B1092-3, -7
or
B1092-1
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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
Gram Iodine Solution (stabilized)
Catalog #12294, 12297, 12299
-3 -1 -7

SECTION II—HAZARDOUS INGREDIENTS

Hazardous Chemical Name (Synonym)	%	Exposure Limit, Toxicity Data, CAS Number
Povidine-Iodine (Iodine-2-Polyvinyl-Pyrrolidione Complex)	12.5*	TLV: 1 mg/m ³ ; Tox. Data: Dog (oral); LDLo: 800 mg/k; PEL: 1 mg/m ³ ; CAS #7553-56-2

SECTION III—PHYSICAL DATA

Product Component	Boiling Point °C	Vapor Pressure (mmHg)	Vapor Density (Air = 1)	Product Appearance and Odor
Iodine	184	0.3	9	Dark brown liquid with characteristic odor of iodine.
Product	100	Not Determined	Not Determined	
	Sp. Grav. (H ₂ O = 1)	% Volatile By Volume	Evaporation Rate (Butyl Acetate = 1)	Product Solubility in Water
Iodine	4.98	Not Determined	Not Determined	Complete
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
Iodine	Not Determined	Not Determined	Waterspray	Product will not burn. Use extinguishing media appropriate for surrounding fire. Emits toxic iodine fumes when heated - wear self-contained breathing apparatus in fire situations.
Product	Not Determined	Not Determined		

SECTION V—HEALTH HAZARD DATA

Component	
ne	<p>Route(s) of Entry: Eye, skin, ingestion</p> <p>Health Hazards:</p> <p>Eye - can cause irritation.</p> <p>Skin - may cause stain and/or irritation.</p> <p>Ingestion - may cause burning sensation or abdominal pain.</p> <p>Carcinogenicity: Not listed by NTP, IARC and OSHA.</p> <p>Medical Conditions Aggravated by Exposure: Not Determined.</p> <p>Emergency First Aid: Eyes - flush with water for 15 minutes. Skin - wash affected area with soap and water. Ingestion - contact a physician. Give 3 glasses of water to drink.</p>

SECTION VI—REACTIVITY DATA

Product Component	Stable/Unstable	Conditions to Avoid	Incompatibility Materials to Avoid	Hazardous Polymerization
Iodine	Stable	Ammonium Hydroxide reacts to form shock sensitive iodides when dry.	Ammonia, powdered metals, alkali metals.	Will not occur.
Product	Stable	Not Determined	Not Determined	Will not occur.

SECTION VII—SPILL OR LEAK PROCEDURES

Spill:

Allow liquid to absorb onto paper towels and dispose of with lab trash.

Waste Disposal:

Waste material may be disposed of with normal lab trash. Follow all Federal, State and local guidelines.

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.

Other Protective Equipment: Eyewash station should be available.

SECTION IX—SPECIAL PRECAUTIONS/COMMENTS

1. Contains 9% to 12% available iodine.
2. CAS number given is for Iodine.

Date of Preparation: 1/21/91

By: Dale W. [Signature]

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