

MATERIAL SAFETY DATA SHEET
OSHA " Hazard Communication Standard " (29 CFR 1910.1200)

Section 1 Manufacturer and Product

Becton Dickinson Microbiology Systems
 250 Schilling Circle
 Cockeysville, Maryland 21030

Telephone : For information (410)771-0100
 For emergency (410)584-8987

Product Name and Catalog Number
 Gram Iodine Solution (stabilized)

Catalog Number 12294, 12297, 12299

Section 2 Hazardous Ingredients

Hazardous Chemical: Iodine Povidone-iodine
 (Synonym): Iodine-2-Polyvinyl-Pyrrolidone
 Complex

Exposure Limit: TLV: 1mg/m3
 PEL: 1mg/m3

Percent 3.0%

CAS Number: 7553-56-2
 Toxicity Data: Rat (oral) LD50: 14 g/kg

Section 3 Physical Data

	<u>Iodine</u>	<u>Product</u>
Boiling Point:	185 C	100 C
Vapor Pressure (mmHg):	1mm @ 38.7C	Not Determined
Vapor Density (Air = 1):	Not Determined	Not Determined
Specific Gravity (H2O = 1):	Not Determined	Not Determined
% Volatile By Volume:	Not Determined	Not Determined
Evaporation Rate (BuAc = 1):	Not Determined	Not Determined
Product Appearance and Odor:	Dark brown liquid with characteristic odor of iodine.	
Product Solubility In Water:	Complete	

Section 4 Fire and Explosion Data

	<u>Iodine</u>	<u>Product</u>
Flash Point:	Not Determined	Not Determined
Flammable Limits (LEL/UEL):	Not Determined	Not Determined
Extinguishing Media:	Waterspray	
Special Procedures/	Product will not burn. If product becomes involved in a fire	
Unusual Hazards:	situation, extinguishing media for surrounding material should be appropriate.	

Section 5 Health Hazard DataComponent: Iodine

Routes of Entry: Eye, skin, ingestion

Health Hazards(acute)

Eye - Can cause irritation.

Skin - May cause stain and/or irritation.

Ingestion - May cause burning sensation or abdominal pain.

Carcinogenicity - Not listed by NTP, IARC or OSHA

Section 5 Health Hazard Data (continued):

Medical Conditions Aggravated by Exposure (Chronic): Not Determined.

Emergency First Aid :

Eye - Immediately flush eyes, including area under the eyelids, with copious amounts of water for at least fifteen minutes. Seek medical attention.

Skin - Wash affected area with soap and water.

Inhalation - Remove victim to fresh air and support breathing if necessary.

Ingestion - Give three glasses of water to dilute. Seek medical attention.

Section 6 Reactivity Data

	<u>Iodine</u>	<u>Product</u>
Stable/Unstable:	Stable	Stable
Conditions to Avoid:	NH ₄ OH reacts to form shock sensitive compounds when dry.	Not Determined
Materials to Avoid:	Ammonia, Alkali	Not Determined
Hazardous Polymerization:	Will not occur	Will not occur

Section 7 Spill and Waste Procedures

Spill: Wear Gloves. Use paper towels to absorb liquid. Allow towels to dry in fume hood and dispose of with normal laboratory trash.

Waste Disposal: Material is a hazardous waste. Material must be disposed of by a permitted hazardous waste disposal company. Follow all current Federal, State, and local regulations.

Section 8 Special Protection Information

Respiratory Protection: Not required under normal product usage.

Ventilation: General and/or local exhaust to meet TLV requirements. When product is used as directed, exposure limits are not expected to reach the TLV.

Protective Gloves: Latex gloves recommended but not required.

Eye Protection: Safety Glasses. Contact lenses should not be worn while working with this material.

Other Protective Equipment: Eyewash stations should be readily available.

Section 9 Special Precautions/Comments

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

Date of Preparation _____ 1/21/91 _____

Date of Revision _____ 7/23/93 _____

By Dale M. Drum

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