

MATERIAL SAFETY DATA SHEET

OSHA "Hazard Communication" (29 CFR 1910.1200)

B1092-5,-9
or
B1092-1 (KIT)
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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 Safranin Solution
Catalog #12296, 12301, 12297, 12405
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SECTION II—HAZARDOUS INGREDIENTS

Hazardous Chemical Name (Synonym)	%	Exposure Limit, Toxicity Data, CAS Number
Ethanol (Ethyl Alcohol)	2.0	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	1.6	Deep red solution with odor of alcohol.
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
Ethanol	0.79	100	1.4	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
Ethanol	50-55°F (TCC)	3.3 19.0	Waterspray	Product is not flammable. If product becomes involved in a fire situation extinguishing media for surrounding material should be appropriate.
Product	Not Determined	Not Determined		

SECTION V—HEALTH HAZARD DATA

Component	Health Hazards
Ethanol	<p>Route(s) of Entry: Inhalation, ingestion, skin.</p> <p>Eye: can cause burning and stinging sensation.</p> <p>Inhalation (5,000 ppm): cause stupor and sleepiness.</p> <p>Ingestion: initially a stimulant then mental excitement, impaired vision.</p> <p>Skin: can cause defatting and dermatitis.</p> <p>Carcinogenicity: Not listed by NTP, IARC or OSHA.</p> <p>Medical Conditions Aggravated by Exposure: Not Determined.</p> <p>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.</p>

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:
Absorb spills with paper towels. Dispose of with normal lab trash.

Waste Disposal:
Waste material can 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, eyewash should be available.

Other Protective Equipment: Eyewash station should be available.

SECTION IX—SPECIAL PRECAUTIONS/COMMENTS

Date of Preparation: 1/21/93

By: Dale M. Owen

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