

LAB
B1092-5, -9

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 Safranin Solution

Catalog Number 12296,12301,12297,12405

Section 2 Hazardous Ingredients
Hazardous Chemical: Ethyl Alcohol
(Synonym): Ethanol

Exposure Limit: TLV: 1000 ppm
PEL: 1000 ppm

Percent 2.0%

CAS Number:64-17-5
Toxicity Data: Man (oral):TDLo 50 mg/Kg GIT

Section 3 Physical Data

	<u>Ethanol</u>	<u>Product</u>
Boiling Point:	78.3	Not Determined
Vapor Pressure (mmHg):	44	Not Determined
Vapor Density (Air = 1):	1.8	Not Determined
Specific Gravity (H2O = 1):	0.79	Not Determined
% Volatile By Volume:	100	Not Determined
Evaporation Rate (BuAc = 1):	1.4	Not Determined
Product Appearance and Odor:	Deep red liquid with odor of alcohol.	
Product Solubility In Water:	Complete	

Section 4 Fire and Explosion Data

	<u>Ethanol</u>	<u>Product</u>
Flash Point:	55.6 F (TCC)	Not Determined
Flammable Limits (LEL/UEL):	3.3/19.0	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 Data

Component: Ethanol

Routes of Entry: Eye, skin, inhalation ingestion

Health Hazards(acute)

Eye - Can cause burning and/or stinging sensation. Severity depends upon concentration.

Skin - May cause defatting and/or dermatitis.

Inhalation(5,000 ppm) - Can cause stupor and sleepiness.

Ingestion - Initially a mental stimulant then excitement, impaired vision.

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>Ethanol</u>	<u>Product</u>
Stable/Unstable:	Stable	Stable
Conditions to Avoid:	Heat, Nitrates	Not Determined
Materials to Avoid:	Aluminum	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

Date of Preparation _____ 1/21/91 _____

Date of Revision _____ 7/23/93 _____

By Dale M. Orum

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