

B-12301

LAB

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 12301

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> |
|------------------------------------------|----------------|----------------|
| Bolling Point: | 78.3 | Not Determined |
| Vapor Pressure (mmHg): | 44 | Not Determined |
| Vapor Density (Air = 1): | 1.8 | Not Determined |
| Specific Gravity (H ₂ O = 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/ Unusual Hazards: Product will not burn. If product becomes involved in a fire 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.

Section 5 Health Hazard Data (continued)

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.
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 _____ 3/24/94 _____

By Dale M Orem

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