

BECTON-DICKINSON MICROBIOLOGY SYSTEMS INC -- GRAM SAFRANIN SOLUTION #12296 --  
6550-01-314-5331

===== Product Identification =====

Product ID:GRAM SAFRANIN SOLUTION #12296  
MSDS Date:01/21/1991  
FSC:6550  
NIIN:01-314-5331  
MSDS Number: BQNKH  
=== Responsible Party ===  
Company Name:BECTON-DICKINSON MICROBIOLOGY SYSTEMS INC  
Address:250 SCHILLING CIR  
Box:243  
City:COCKEYSVILLE  
State:MD  
ZIP:21030  
Country:US

Info Phone Num:410-771-0100, 410-584-7169  
Emergency Phone Num:410-771-0100, 410-584-7169  
CAGE:05545

=== Contractor Identification ===  
Company Name:BECTON DICKINSON AND CO MICROBIOLOGY SYSTEMS DIV  
Address:250 SCHILLING CIRCLE  
Box:City:HUNT VALLEY  
State:MD  
ZIP:21030-1103  
Country:US  
Phone:410-771-0101  
CAGE:05545

===== Composition/Information on Ingredients =====

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 2.0%  
Other REC Limits:NONE SPECIFIE

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OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:SAFRANIN O  
CAS:477-73-6  
RTECS #:SG1623000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 98.0%  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION:IRRITATION.  
INGESTION:LAR

GE DOSES CAN CAUSE DEPRESSION OF CNS, NAUSEA, VOMITING  
& DIARRHEA. EYE:IRRITATION. SKIN:MAY CAUSE IRRITATION, DEFATTING.  
CHRONIC: DERMATITIS, LIVER AND KIDNEY DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:MAY CAUSE EYE, SKIN & RESPIRATORY TRACT  
IRRITATION. INHALATION AND INGESTION MAY CAUSE INITIAL STIMULATORY  
EFFECTS FOLLOWED BY MENTAL EXCITEMENT, DROWSINESS, IMPAIRED VISI  
ON,  
ATAXIA, STUPOR, AND DRUNK ENNESS. LARGE AMOUNTS CAN CAUSE  
DELETERIOUS EFFECTS OF THE GASTRIC INTESTINAL TRACT & CENTRAL  
NERVOUS SYSTEM.

Medical Cond Aggravated by Exposure:LIVER AND SKIN DISORDERS.

===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH- TO-MOUTH  
RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY.  
EYE: IMMEDIATELY FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE  
HOLDING E

YELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INGESTION: DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

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Fire Fighting Measures  
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Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

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Accidental Release Measures  
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Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.  
LARGE SPILLS: EVACUATE AREA. VENTILATE AREA. DIKE TO RETAIN FLUID.  
PUMP UP FREE LIQUID FOR RECYCLING OR DISPOSAL.  
Neutralizing Agent:NOT APPLICABLE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A DRY AREA ABOVE 32 F AND BELOW 90 F. SHORT TERM EXPOSURE OUTSIDE THIS TEMPERATURE RANGE SHOULD NOT PERMANENTLY DAMAGE THE PRODUCT.  
Other Precautions:NONE

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Exposure Controls/Personal Protection  
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Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR & IN ACCORDANCE WITH OSHA (29 CFR 1910.134).  
Ventilation:GENERAL AND LOCAL.  
Protective Gloves:WEAR IMPERVIOUS GLOVES  
Eye Protection:SAFETY GLASSES/CHEMICAL SAFETY GOGGLES.  
Other Protective Equipment:WEAR RUBBER BOOTS, APRONS, AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT SUITABLE TO THE WORK SITUATION.  
Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGIENE. KEEP MATERIAL OFF CLOTHES AND EQUIPMENT. DO NOT SMOKE ANYWHERE NEAR WORK AREA.  
Supplemental Safety and Health  
AVOID REPEATED OR PROLONGED SKIN CONTACT OR INHALATION OF VAPORS. USE ONLY WITH ADEQUATE VENTILATION

TILATION. WASH THOROUGHLY AFTER USE.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:21.0F,-6.1C

Spec Gravity:0.789

Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:DEEP RED SOLUTION, ALCOHOL ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, NITRATES,  
PERCHLORATES,

PEROXIDES, SILVER AND POTASSIUM COMPOUNDS.

Stability Condition to Avoid:HIGH TEMPERATURES.

Hazardous Decomposition Products:CARBON MONOXIDE CAN FORM ON INCOMPLETE  
COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods:MATERIAL SHOULD BE RECLAIMED, RECYCLED OR  
INCINERATED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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