

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 SPECIFIED

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.

E 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 VISIO

N, 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 EY

ELID. 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.

=====  
===== Fire Fighting Measures =====

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 SPRA

Y TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

=====  
===== Accidental Release Measures =====

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.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A DRY AREA ABOVE 32 F AND BELOW 90 F. SHORT T

ERM EXPOSURE OUTSIDE THIS TEMPERATURE RANGE  
SHOULD NOT PERMANENTLY DAMAGE THE PRODUCT.

Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

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.

Protectiv

e 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 VENT  
ILATION. 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, P  
ERCHLORATES,

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.

Disclaimer (provided with this information by the compiling agencies):

This information i

s formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.