

BECTON DICKINSON MICROBIOLOGY SYSTEMS -- 4312524, CRYSTAL VIOLET (GRAM STAIN KIT) --  
6550-01-314-2719

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

Product ID:4312524, CRYSTAL VIOLET (GRAM STAIN KIT)

MSDS Date:07/28/1998

FSC:6550

NIIN:01-314-2719

Status Code:A

MSDS Number: CKLVP

=== Responsible Party ===

Company Name:BECTON DICKINSON MICROBIOLOGY SYSTEMS

Address:250 SCHILLING CIRCLE

City:COCKEYSVILLE

State:M

D

ZIP:21030

Country:US

Info Phone Num:410-771-0101

Emergency Phone Num:410-771-0101

Resp. Party Other MSDS Num.:4312524

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

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients  
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Ingred Name:ISOPROPANOL  
CAS:67-63-0  
RTECS #:NT8050000  
= Wt:5.  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ETHANOL  
CAS:64-17-5  
RTECS #:KQ6300000  
= Wt:4.8  
OSHA PEL:1900 MG/M3;1000 PPM  
ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:CRYSTAL VIOLET  
CAS:548-62-9  
RTECS #:BO9000000  
= Wt:.4

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Hazards Identification  
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LD50 LC50 Mixture:NO DAT  
A GIVEN ON PRODUCT AS WHOLE  
Health Hazards Acute and Chronic:ON THE SKIN: IRRITANT TO SKIN AND  
MUCOUS MEMBRANES. ON THE EYE: IRRITATING EFFECT. SENSITIZATION: NO  
SENSITIZING EFFETS KNOWN. TARGET ORGANS: THYROID, KIDNEY, URETER OR  
BLADDER TUMORS.  
Explanation of Carcinogenicity:CARCINOGENIC.  
Effects of Overexposure:ON THE SKIN: IRRITANT TO SKIN AND MUCOUS  
MEMBRANES. ON THE EYE: IRRITATING EFFECT. SENSITIZATION: NO  
SENSITIZING EFFETS KNOWN.  
Medical Cond Aggravated by Exposure:NO  
DATA PROVIDED BY RESPONSIBLE  
PARTY

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First Aid Measures  
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First Aid:INHALATION: SUPPLY FRESH AIR. IF REQUIRED, GIVE ARTIFICIAL  
RESPIRATION. KEEP PATIENT WARM. SEEK MEDICAL ADVICE. IN CASE OF  
UNCONSCIOUSNESS, PLACE PATIENT ON SIDE POSITION FOR TRANSPORTATION.  
SKIN CONT ACT: IMMEDIATELY WASH WITH SOPA AND WATER. RINSE  
THOROUGHLY. EYE CONTACT: RINSE OPENED EYE FOR SEVERAL MINUTES UNDER  
RUNNING WATER. THEN CONSULT A DOCTOR. SWA

ALLOWING: IMMEDIATELY CALL

A DOCTOR. INFORMATION FOR DOCTOR: SHOW PRODUCT LABEL.

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Fire Fighting Measures  
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Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:CARBON DIOXIDE (CO2), EXTINGUISHING POWDER OR WATER  
SPRAY. FIGHT LARGER FIRES WITH WATER OR ALCOHOL RESISTANT FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE  
DEVICE. WEAR FULL PROTECTIVE SUIT.

Unusual Fire/Explosion Hazard:PRODUCT DOES NOT PRESENT AN EXPLOSION  
HAZARD.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. KEEP UNPROTECTED  
PERSONS AWAY. WIPE UP WITH DAMP SPONGE OR MOP. ENSURE ADEQUATE  
VENTILATION.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY

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Handling and Storage  
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Handling and Storage Precautions:ENSURE GOOD VENTILATION/EXHAUST AT THE  
WORKPLACE. KEEP IGNITION SOURCES AWAY. DO NOT  
SMOKE.

Other Precautions:STORAGE TEMPERATURE: 15-30C.

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Exposure Controls/Personal Protection  
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Respiratory Protection:IN CASE OF BRIEF EXPOSURE, USE A CHEMICAL FUME  
HOOD OR A NIOSH/MSHA-APPROVED RESPIRATORY PROTECTIVE DEVICE. IN  
CASE OF INTENSIVE OR LONGER EXPOSURE USE A RESPIRATORY PROTECTIVE  
DEVICE THAT IS INDEPENDENT OF CIRCULATING AIR.

Ventilation:CHEMICAL FUME HOOD.

Protective Gloves:PROTECTIVE GLOVES.

Eye Protection:SAFETY GLASSES.

Other Protective

Equipment:BODY PROTECTIVE WORK CLOTHING (LAB COAT).

Work Hygienic Practices:WASH HANDS BEFORE BREAKS AND AT THE END OF  
WORK. AVOID CONTACT WITH SKIN AND EYES. IMMEDIATELY REMOVE ALL  
SOILED AND CONTAMINATED CLOTHES. KEEP AWAY FROM FOODSTUFFS,  
BEVERAGES AND FEED.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY

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Physical/Chemical Properties  
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HCC:T6

Boiling Pt:B.P. Text:UNDETERMINED.

Melt/Freeze Pt:M.P/F.P Text:UNDETERMINED.

Appearance and Odor:FORM LIQUID, COLOR VIOLET, ODOR CHARACTERISTIC.

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

NO DANGEROUS REACTIONS KNOWN.

Stability Condition to Avoid:NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS.

Hazardous Decomposition Products:NITROGEN OXIDES, CARBON MONOXIDE, CARBON DIOXIDE AND AMMONIA.

===== Toxicological Information =====

Toxicological Information:ACUTE TOXICITY: 64-17-5, ETHANOL-ORAL: LD50: 7

060 MG/KG (RAT); INHALATIVE: LC50.4 HR: 20000 MG/L (RAT).

548-62-9, CRYSTAL VIOLET-ORAL: LD50: 96 MG/KG (MOU). 67-63-0,

ISOPROPANOL-ORAL: LD50: 4570 MG/KG , DERMAL: LD50: 13400 MG/KG

(RABBIT), INHALATIVE: LC50/4 HR: 30 MG/L (RAT). ON THE SKIN:

IRRITANT TO SKIN AND MUCOUS MEMBRANES. ON THE EYE: IRRITATING

EFFECT. SENSITIZATION: NO SENSITIZING EFFETS KNO WN. TARGET ORGANS:

THYROID, KIDNEY, URETER OR BLADDER TUMORS. ADDITIONAL TOXICOLOGICAL INFORMATION: IRRITANT. CARCIN

OGENIC.

===== Ecological Information =====

Ecological:THE ECOLOGICAL EFFECTS HAVE NOT BEEN THOROUGHLY INVESTIGATED, BUT CURRENTLY NONE HAVE BEEN IDENTIFIED. WATER HAZARD CLASS 1: SLIGHTLY HAZARDOUS FOR WATER.

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

Waste Disposal Methods:MUST NOT BE DISPOSED OF WITH SOLID WASTE. MUST ADHERE TO STATE AND FEDERAL REGULATIONS. DISPOSAL MUST BE MADE ACCORDING TO THE REGULATIONS FOUND I

N 40 CFR 261. THIS PRODUCT IS

NOT CONSIDERED A RCRA HA ZARDOUS WASTE. FOLLOW LOCAL AND STATE REGULATIONS. CLEANSING AGENT: WATER, IF NECESSARY WITH CLEANSI NG AGENTS.

===== MSDS Transport Information =====

Transport Information:DOT REGULATIONS/HAZARD CLASS: NO DATA PROVIDED BY RESPONSIBLE PARTY. LAND TRANSPORT ADR/RID (CROSS-BORDER): NO DATA PROVIDED BY RESPONSIBLE PARTY. MARITIME TRANSPORT IMDG/IMDG CLASS: NO DATA PROVIDED BY RESPONSIBLE

PARTY. MARINE POLLUTANT: NO.  
AIR-TRANSPORT ICAO-TI AND IATA-DGR/ICAO/IATA CLASS: NO DATA  
PROVIDED BY RESPONSIBLE PARTY.

===== Regulatory Information =====

SARA Title III Information:ETHANOL: SARA 311/312: NOT SUBJECT TO  
REPORTING. SARA 313: NOT SUBJECT TO REPORTING. ISOPROANOL: SARA  
311/312: NOT SUBJECT TO REPORTING. SARA 313: MAY BE SUBJECT TO  
REPORTING.

Federal Regulatory Information:CERCLA: THIS PRODUCT CONTAINS ETHANOL  
AND HAS A REP  
ORTING QUANTITY (RQ) OF 5000 LBS. TSCA: THIS PRODUCT  
IS EXEMPT UNDER TSCA. CERCLA: THIS PRODUCT CONTAINS ISOPROPANOL AND  
HAS A REPORTING QUANTITY (RQ ) OF 100 LBS. TSCA: THIS PRODUCT IS  
EXEMPT UNDER TSCA. TECHNICAL INSTRUCTIONS (AIR): CLASS: III - 9.8%.  
State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

===== Other Information =====

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