

MATERIAL SAFETY DATA SHEET

EM DIAGNOSTIC SYSTEMS, INC.  
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GIBBSTOWN, N.J. 08027  
609-423-6300

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DATE REVISED:

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1. IDENTIFICATION  
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PRODUCT NAME: CRYSTAL VIOLET  
CATALOG NO. 192  
CHEMICAL NAME: NA  
SYNONYM: GENTIAN VIOLET BASIC VIOLET 3  
CAS #: 548-62-9  
CHEMICAL FAMILY: ORGANIC DYE  
FORMULA: C25 H30 N3 Cl  
FORMULA: WEIGHT: 408.00

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2. PHYSICAL DATA  
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BOILING POINT: (DEGC) NA  
MELTING POINT: (DEGC) 215DEG  
VAPOR PRESSURE: (@20DEGC) NA  
VAPOR DENSITY: (AIR = 1) NA  
PERCENT VOLATILES BY VOLUME: NA  
SPECIFIC GRAVITY: NA  
SOLUBILITY IN WATER: SOLUBLE  
APPEARANCE AND ODOR: DARK GREEN CRYSTAL/POWER  
EVAPORATION RATE (BUTYL ACETATE = 1): NA

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3. HAZARDOUS INGREDIENTS  
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CONC. CAS#

CRYSTAL VIOLET

NA

SEE SECTION I  
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THE STATEMENTS CONTAINED HEREIN ARE OFFERED FOR INFORMATIONAL PURPOSES ONLY AND ARE INTENDED TO BE FOLLOWED ONLY BY PERSONS HAVING RELATED TECHNICAL SKILLS AND AT THEIR OWN DISCRETION AND RISK. SINCE CONDITIONS AND MANNER OF USE ARE OUTSIDE OUR CONTROL WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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4. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT: NA  
FLAMMABLE LIMITS: UEL: NA LEL: NA  
EXTINGUISHING MEDIA: CO2 DRY CHEMICAL, FOAM  
SPECIAL HAZARDS AND PROCEDURES:  
WEAR SELF-CONTAINED BREATHING APPARATUS  
UNUSUAL FIRE AND EXPLOSION HAZARDS: CAUTION! DUST CAN FORM  
EXPLOSIVE MIXTURES WITH AIR. CARE MUST BE EXERCISED TO AVOID DUST.

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5. HEALTH HAZARD DATA  
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TOXICOLOGY: SKIN: (X) IRRITANT ( ) NON-IRRITANT  
EYE: (X) IRRITANT ( ) NON-IRRITANT  
  
SKIN: ( ) CORROSIVE (X) NON-CORROSIVE  
EYE: ( ) CORROSIVE (X) NON-CORROSIVE  
LD50: .91 GM/KG ORAL-RAT SKIN-HUMAN; 3MG/3 D-I MLD  
.420 MG/KG ORAL RAT

THRESHOLD LIMIT VALUE: (AIR) NONE ESTABLISHED  
EFFECTS OF OVEREXPOSURE: EYE CONTACT CAUSES IRRITATION  
PROLONGED SKIN CONTACT CAUSES MILD  
IRRITATION  
TOXIC WHEN INGESTED

FIRST AID PROCEDURES:  
EYES: FLUSH WITH WATER - 15 MIN. GET MEDICAL ATTENTION.  
SKIN: WASH WITH SOAP AND WATER - CONTACT PHYSICIAN  
INHALATION: REMOVE TO FRESH AIR - CONTACT PHYSICIAN  
INGESTION: IF CONSCIOUS INDUCE VOMITING - SEE PHYSICIAN  
IMMEDIATELY.

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6. REACTIVITY  
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STABLE (X)  
UNSTABLE ( )  
CONDITIONS TO AVOID: EXTREME HEAT; DISTING AND DISPERSION OF FINE  
PARTICLES IN AIR.  
MATERIALS TO AVOID:  
( ) WATER ( ) ACIDS ( ) BASES ( ) CORROSIVES (X) OXIDIZERS  
( ) OTHER (SPECIFY) OR REDUCING AGENTS  
HAZARDOUS DECOMPOSITION PRODUCTS: WHEN HEATED TO DECOMPOSITION,  
THEY EMIT TOXIC FUMES OF NITROUS OXIDE AND SULFOXIDE.

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7. SPILL OR LEAK PROCEDURES AND DISPOSAL  
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IF RELEASED OR SPILLED: CONTAINERIZE AND SWEEP UP CAREFULLY -  
AVOID MAKING DUST.  
WASTE DISPOSAL METHOD: TO BE PERFORMED IN COMPLIANCE WITH ALL  
CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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8. SPECIAL PROTECTION INFORMATION  
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VENTILATION: PROVIDE ADEQUATE, GENERAL MECHANICAL AND LOCAL  
EXHAUST VENTILATION.  
RESPIRATORY PROTECTION: DO NOT BREATHE IN DUST  
PROTECTIVE CLOTHING: GLOVES  
EYE PROTECTION: SAFETY GOGGLES  
- WASH THOROUGHLY AFTER HANDLING -  
IN A BADLY VENTILATED AREA WEAR DUST RESPIRATOR.

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9. SPECIAL HANDLING AND STORING INFORMATION  
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DOT - NOT REGULATED

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10. LABEL WARNINGS  
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WARNING! HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. AVOID  
CONTACT WITH EYES, WASH THOROUGHLY AFTER HANDLING.  
FIRST AID: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH  
PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.  
IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY.

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