

MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. 9450000
Effective Date: October 12, 2002

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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Crystal Violet	416-984-3000 NFPA
Chemical Synonyms	Gentian Violet; Basic Violet 3; C.I. No. 42555	
Formula	C ₂₅ H ₃₀ ClN ₃	HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 WHMIS
CAS No.	548-62-9	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Crystal violet: Biological stain and/or pH indicator	> 96%	N/A

WARNING!

SECTION III PHYSICAL DATA

Melting Point (°C)	Decomposes.	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°C)	Decomposes.	Percent Volatile by Volume (%)	Negligible.
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Moderate.		
Appearance & Odor	Green crystalline powder; musty odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Not controlled under TDG.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

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SECTION V REACTIVITY DATA CC0450

Chemical Stability	Yes	X	If no. under what conditions?
	No		
Incompatible with Other products	Yes	X	Strong oxidizers.
	No		

Hazardous Decomposition Products	Carbon oxides and nitrogen oxides.
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Reactive under what conditions	No specific information is available.
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SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation, Ingestion, Skin, Eyes.
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TLV	N/A
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Toxicity for animals	N/A
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Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.
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Acute effects on humans	Harmful if inhaled, swallowed or absorbed through skin. Causes irritation to skin, eyes and respiratory system.
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SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
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Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
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Precautions	Avoid contact with skin and eyes. Do not breathe dust. Use with adequate ventilation. Do not ingest.
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Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Wash spill area with soap and water.
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Protective Clothing	Gloves, safety glasses, lab coat, dust respirator.
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SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	3	Date	October 12, 2002	Approved	Michael Raszeja
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