



MATERIAL SAFETY DATA SHEET

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MSDS No. 9450000
Effective Date: October 12, 2002

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

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

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

TDG	Not controlled under TDG.
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213-6 : Lab

SECTION V REACTIVITY DATA

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

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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