

SECTION I NAME

Crystal Violet, 0.1% Solution

CHEMTREC
1-800-424-9300



Health	2
Flammability	0
Reactivity	0
WHMIS	0

HAZARD RATING			
Minimal	Slight	Moderate	Serious
0	1	2	3
			4

Product	Crystal Violet, 0.1% Solution
Chemical Synonyms	Gentian Violet, Water Solution
Formula	Mixture.
CAS No.	Mixture.

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Crystal Violet: CAS # 548-62-9	0.1%	N/A
Sodium Benzoate: CAS # 532-32-1	0.2%	N/A
Water: CAS # 7732-18-5	99.7%	N/A

CAUTION!

SECTION III PHYSICAL DATA

Melting Point (°C)	~ 0°C	Specific Gravity (H ₂ O = 1)	1.0
Boiling Point (°C)	~ 100°C	Percent Volatile by Volume (%)	~ 99.7%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Dark blue-violet liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by volume	N/A	Lower	Upper
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Firefighting Procedures

Use dry chemical, CO₂, water spray or foam.

Flammability and Explosion Hazards

N/A

TDG Not controlled under TDG.

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SECTION V REACTIVITY DATA

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

Carbon oxides, chloride fumes, nitrogen oxides.

No specific information is available.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation, Ingestion.
TLV	N/A
Toxicity for animals	N/A
Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: None known.
Acute effects on humans	May be harmful if inhaled, swallowed. May cause eye irritation, skin irritation.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed. Protect from light.
Precautions	Avoid contact with skin and eyes. Do not ingest. Do not inhale vapor or spray.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.

SECTION VIII 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.

SECTION IX PREPARATION OF THE MSDS

Rev. No.	3	Date	May 8, 2007	Approved	James A. Bertsch
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