

MATERIAL SAFETY DATA SHEET

GENTIAN VIOLET 1% & 2% SOLUTIONS

Delasco Dermatologic Lab & Supply, Inc.
608 13th Ave., Council Bluffs, IA 51501 1-712-323-3269
www.delasco.com questions@delasco.com
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Product/Chemical Name: GENTIAN VIOLET 1% & 2% Solutions, Crystal Violet, Gram Stain #1

Formula: C₂₅ H₃₀ N₃ Cl

Physical Description: Purple liquid with strong staining characteristics. Water soluble

Special Hazards: Self-contained breathing apparatus required

Unusual Fire/Explosion Hazards: Negligible when exposed to heat or flame

Reactivity: Stable under normal temperatures and pressure

Hazardous Decomposition Products: Thermal decomposition products may include toxic oxides of nitrogen and carbon and toxic and corrosive fumes of chlorides.

Spill or Leak Procedures

Action: No special precautions indicated

Disposal Method: To be performed in compliance with all current local, state & Federal Regulations.

Threshold Limit Value: 420 mg/kg oral-rat LD50; 1000mg/kg oral-dog LD50

Overexposure Effects: Prolonged contact may cause irritation and possibly necrosis. Sufficient amounts may cause dyspnea, methemoglobinemia, and cyanosis.

Potential Carcinogen: No

First Aid Procedures

Skin: Remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (15-20 minutes). Get medical attention immediately.

Eyes: Check for and remove any contact lenses. Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains (15-20 minutes). Get medical attention immediately

Ingestion: Check for and remove any dentures. If person is conscious and not convulsing, induce emesis by giving syrup of Ipecac followed by water. If vomiting occurs keep the head below the hips to prevent aspiration. Repeat in 20 minutes if not effective. Give activated charcoal.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped perform CPR. Get medical attention.

Storage Recommendations: Store protected from light at room temperature.

Special Protection Information

Exhaust ventilation recommended. Protective gloves and safety goggles required.

Special Handling Precautions

N/A