

MATERIAL SAFETY DATA SHEET
(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
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Product Trade name: Gentian Violet Stain Solution
Product Description: Brown And Brenn Gram's Traditional Stain Kit

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Methyl Alcohol	67-56-1	1 mg/m ³	328 mg/m	200 ppm

Section II Physical and Chemical Characteristics

Specific Gravity: 0.89 (Water = 1.0) @ 77 F
Solubility in Water: Soluble
SP. Gravity of Vapor: 0.791 (Air = 1.0 @ 60 –90 Degrees F)
Evaporation Rate (n-Bu Acetate = 1): 5.9
Vapor Pressure: 100.0mm Hg @ 68 F
Viscosity: n/a
Boiling Point: 74.6 C
Color: Deep Blue Purple **Odor:** Alcohol **State:** Liquid

Section III Stability and Reactivity

Stability: Stable
Conditions to Avoid: n/a
Hazardous Polymerization: Will not occur
Incompatible Materials: Strong acids, strong bases, Chlorine by products.
Hazardous Decomposition Products: Products of biodegradation are Carbon Monoxide and Carbon Dioxide.

Section IV Fire and Explosion Data

Flashpoint: 58 F Closed Cup
Flammable Limits: **LEL:** 6.0% **UEL:** 36.5%
Autoignition Temperature: 463 C
Extinguishing Media: Foam, Dry Chemical, Water Spray, CO₂, Sand
Special Fire Fighting Procedure: Combustible vapor may travel considerably.
Decomposition Products Under Fire Conditions: Emits acrid smoke and irritating fumes.

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: Contact with eyes may cause severe irritation.
Skin Contact: May cause skin irritation.
Inhalation: May cause dizziness, nausea and unconsciousness.
Ingestion: May be toxic by ingestion.

Chronic Health Effects:

Eye Contact: Prolonged exposure may cause blindness.

Skin Contact: Prolonged exposure may cause irritation and sensitization to skin.

Inhalation: Repeated inhalation of a toxic substance may be fatal.

Ingestion: Repeated exposure by ingestion may cause stomach discomfort. Repeated exposure may be fatal.

Medical Conditions Aggravated by Exposure: n/a

Section VI Emergency First Aid Procedures

Eye Contact: Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

Skin Contact: Wash contact area with soap and water. Seek medical attention if symptoms persist.

Inhalation: Remove employee to well ventilated area. Seek medical attention if employee is unconscious.

Ingestion: Induce vomiting if person is "Only" conscious. Seek medical attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves and goggles and absorb spill with absorbent material such as sand or paper towel. Spill area can be washed with soap and water.

Waste Disposal: All waste must be disposed in accordance to local, state, and federal regulations.

Storage: Store in original container or LDPP, HDPE or any plastic container. Store at room temperature away from direct sparks; flame and electrical devices.

Section VIII Personal Protection and Handling

Ventilation: Work in well ventilated area.

Respiratory Protection: No special respiratory protection is recommended under anticipated normal use.

Eye Protection: Wear goggles or splash shield.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: No special equipment is required under anticipated conditions of normal use beyond that needed for normal comfort control.

Hygienic Practices: Wash hands before meals or breaks.

Federal and State Regulations: n/a

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