

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
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CAT #: K7388-5

Product Trade name: Van Gieson's Stain Solution
Product Description: Aqueous Biological Reagent Solution

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Basic Fuchsin	569-61-9	n/a	n/a	n/a
Picric Acid	88-89-1	n/a	n/a	n/a

Section II Physical and Chemical Characteristics

Specific Gravity: 1.1 (Water = 1.0)@ 77 F
Solubility in Water: Soluble
SP. Gravity of Vapor: n/a
Evaporation Rate (n-Bu Acetate = 1): n/a
Vapor Pressure: n/a
Viscosity: n/a
Boiling Point: 189 F
Color: Orange **Odor:** Synthetic mild odor **State:** Liquid

Section III Stability and Reactivity

Stability: Stable.
Conditions to Avoid: Do not allow solution to dry and crystallize into a white, dry salt.
Explosive: Risk of explosion on mechanical impact of dry salt.
Hazardous Polymerization: Will not occur.
Incompatible Materials: Strong oxidizers, metals, strong metals.
Hazardous Decomposition Products: Products of biodegradation are Carbon Monoxide, Sulfur Dioxide and explosive trinitro compounds.

Section IV Fire and Explosion Data

Flashpoint: Non-Flammable
Flammable Limits: **LEL:** n/a **UEL:** n/a
Autoignition Temperature: n/a
Extinguishing Media: Foam, Dry Chemical, Water, CO2.
Special Fire Fighting Procedure: n/a
Decomposition Products Under Fire Conditions: May form explosive trinitro compounds.

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation.

Inhalation: No inhalation hazard identified from available data.

Ingestion: Ingestion may be toxic.

Chronic Health Effects:

Eye Contact: Prolonged exposure will cause eye irritation and possibly chemical burns to eyes.

Skin Contact: Prolonged exposure may cause skin irritation and mild burns.

Inhalation: No inhalation hazard identified from available data.

Ingestion: Repeated exposure may cause general deterioration of health by accumulation in one or more target organs. Accumulation may be fatal.

Medical Conditions Aggravated by Exposure: This product contains Picric Acid which is known to cause birth defects and target organ damage by repeated exposure and accumulation by permeation and oral ingestion.

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: Not expected to present an inhalation hazard under anticipated conditions of normal use.

Ingestion: If person is conscious, INDUCE VOMITING. Drink several glasses of water or milk before inducing. Seek Immediate Medical Attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves and goggles. Absorb spill with acid neutralizing absorbent. If not available, add baking soda to spill, followed with an absorbent material such as sand or paper towels. Spill area can be washed with soap and water. Do not allow liquid to air dry. Precipitates formed after drying are considered EXPLOSIVE.

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. Do not store in metal containers.

Section VIII Personal Protection and Handling

Ventilation: Work in well ventilated area.

Respiratory Protection: This product is not anticipated to require additional respiratory protection during normal usage.

Eye Protection: Wear goggles or splash shield.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: Wear lab apron.

Hygienic Practices: Wash hands before meals or breaks.

Federal and State Regulations: This product contains a chemical classified by OSHA/NTP as a 2 and 2B type Carcinogen: Basic Fuchsin

Massachusetts 'Right To Know', substance list (MSL) hazardous substances and extraordinary Hazardous Substances on the MSL must be identified when present in products and components presented in this product at a level which require reporting under the statute are: Picric Acid

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