



Medical chemical Corp.  
19430 Van Ness Ave.  
Torrance, CA 90501

Customer Service: Phone (310)787-6800, (800)424-9394  
FAX (310)787-4464

CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

### Section 1 - Product Identification

An alkaline solution of methylene blue and alcohol in water.

### Section II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
basic fuchsin	569-61-9	—	—		0.125% w/v
ethanol	64-17-5	1000 ppm	1000 ppm		9% v/v
isopropanol	67-63-0	400 ppm	400 ppm		0.5% v/v
methyl alcohol	67-56-1	200 ppm (skin)	200 ppm (skin)		0.5% v/v

### Section III - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

#### Safety Ratings

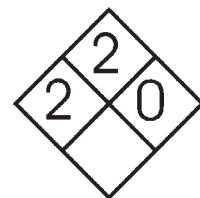
Health: Hazardous      Flammability: Slight      Reactivity: None      Contact: Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

#### NFPA Ratings

Health = 2      Flammability = 2      Reactivity = 0



#### Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other aliphatic alcohols.

*Inhalation:* Alcohols are absorbed through the mucous membranes and will produce irritation as well as the same effects as ingestion.

*Ingestion:* Inhalation will produce CNS disturbance, dizziness, photophobia, headache, stupor, coma and death.

*Skin contact:* Alcohols are absorbed through the skin. Repeated contact causes defatting of the skin with resultant irritation and flaking.

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

### Section IV - First Aid Measures

*Inhalation:* Remove from source of exposure and get medical attention for any breathing difficulty.

*Ingestion:* If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

*Skin Contact:* Wash affected area with soap and water. Get medical advice if irritation develops.

*Eye Contact:* Rinse thoroughly with running water. Get medical advice if irritation develops.

---

## **Section V - Fire Fighting Measures**

*Flash point:* 149°F (65°C) TCC

*Flammable Limits (for ethanol):* LEL 3% UEL 19%

*Fire:* Not normally a fire Hazard,

*Explosion:* Not Normally an explosion hazards.

*Fire Extinguishing Media:* Any means suitable for surrounding fire.

*Special information:* Pyrolysis will release corrosive oxides.

---

## **Section VI - Accidental Release Measures**

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal. Waste disposal is usually not restricted but local ordinances vary. Insure compliance with all government regulations.

---

## **Section VII - Handling and Storage**

Store in a closed container, protected from freezing.

---

## **Section VIII - Exposure Control/Personal Protection**

*Airborne Exposure Limits:* See section II

*Ventilation System:* Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

*Personal Respirator:* Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.

*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

---

## **Section IX - Physical and Chemical Properties**

*Boiling Point:* 100°C

*Vapor pressure (mm Hg):* 18 @ 20°C

*Vapor Density (air = 1):* 0.6

*Appearance and Odor:* A dark red solution with the characteristic odor of alcohol.

*Density:* About 0.985 g/ml

*Evaporation Rate (water = 1):* 1

*Solubility:* Infinitely miscible with water

---

## **Section X - Stability and Reactivity**

*Stability:* Freezes at low temperature.

*Hazardous Decomposition Products:* Nothing unusual.

*Hazardous polymerization:* Will not occur.

*Incompatibilities:* Nothing unusual.

---

Conditions to avoid: Excessive cold/heat and light.

---

**Section XI - Toxicological Information**

None relating to normal exposure.

Cancer lists

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Ethanol	no	no	no	none
Methanol	no	no	no	none
Isopropanol	no	no	no	3
Basic Fuchsin	no	no	no	none

---

**Section XII- -Ecological Information**

Environmental Fate: Biodegradable  
Environmental Toxicity: None

---

**Section XIII - Disposal**

Local governments often restrict the amounts of acids that may be flushed down drain. Insure compliance with all government regulation

---

**Section XIV - Transportation information**

Not Regulated

---

**Section XV - Regulatory Information****Chemical Inventory Status**

Ingredient	TSCA	EC
acetic acid	Yes	

**Federal, State and International Regulations**

Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
acetic acid	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: Yes, Chronic: No

---

**Section XVI - Other Information**

This information is believed to be correct but is not waranteed as such, nor does it purport to be all inclusive.

Prepared by: P. B. Revision Date: Feb. 7, 2006