



Medical chemical Corp.  
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Customer Service: Phone (310)787-6800  
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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	%
Sodium bicarbonate	144-58-8	_____	_____		2% w/v
Magnesium sulfate	7487-88-9	_____	_____		0.2% w/v

### Section III - Hazards Identification

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

#### Safety Ratings

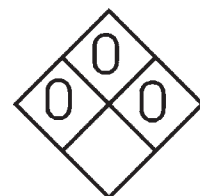
Health: Slight      Flammability: None      Reactivity: None      Contact: None

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

Storage: General storage

NFPA Ratings

Health = 0      Flammability = 0      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 weak bases.

*Inhalation:* Unlikely to happen. May be irritating

*Ingestion:* While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

*Skin contact:* Not normally a problem

*Eye contact:* May be irritating

*Chronic Exposure:* Unknown

*Aggravation of preexisting conditions:* Unknown

### Section IV - First Aid Measures

*Inhalation:* Unlikely to be a problem.

*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.

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### Section V - Fire Fighting Measures

Flash point: Not applicable.  
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.

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### Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

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### Section VII - Handling and Storage

Store in a closed container, protected from freezing.

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### 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.

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### Section IX - Physical and Chemical Properties

Boiling Point: 101°C  
Vapor pressure (mm Hg): 18 @ 20°C  
Vapor Density (air = 1): 0.6  
Appearance and Odor: A clear colorless liquid.  
Density: About 1.02 g/ml  
Evaporation Rate (water = 1): 1  
Solubility: Infinitely miscible with water

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### 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.

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### Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Sodium bicarbonate	no	no	no	none
Magnesium sulfate	no	no	no	none

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**Section XII - Ecological Information**

Environmental Fate: Biodegradable  
Environmental Toxicity: None

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**Section XIII - Disposal**

Usually not restricted but local governments have final authority on what may be flushed down the drain. Insure compliance with all government regulation

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**Section XIV - Transportation information**

Not Regulated

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

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Ingredient	TSCA	EC
Sodium bicarbonate	Yes	Yes
Magnesium sulfate	Yes	Yes

**Federal, State and International Regulations**

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Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
Sodium bicarbonate	No	No	No	No	No	No
Magnesium sulfate	No	No	No	No	No	No

For sodium carbonate:

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
SARA 311/312: Acute: No, Chronic: No

For magnesium sulfate:

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
SARA 311/312: Acute: No, Chronic: No

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**Section XVI - Other Information**

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

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