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 I - Product Identification
An aqueous solution of basic fuchsin, sodium bisulfite and sodium metabisulfite.

Section II - Hazards Identification
Overview: May be harmful if swallowed. May be irritating to skin and eyes.

Safety Ratings

Health: Slight  Flammability: None  Reactivity: None  Contact: Slight
Recommended safety equipment: safety goggles, lab coat and proper gloves
Storage: General storage

NFPA Ratings
Health = 1  Flammability = 0  Reactivity = 0

Potential Health Effects

The toxicology of this compound has not been completely examined. It is presumed that the toxicity of this item is similar to other compounds that release sulfur dioxide.

Inhalation: May be irritating. Produces asthma like symptoms in sensitive individuals.

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 III - Composition/Information on Components

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>OSHA Pel</th>
<th>ACGIH TLV</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic fuchsin</td>
<td>569-61-9</td>
<td>---------</td>
<td>--------------</td>
<td>1% w/v</td>
</tr>
<tr>
<td>Hydrochloric Acid</td>
<td>7647-01-0</td>
<td>5 ppm (Ceiling)</td>
<td>2 ppm (Ceiling)</td>
<td>2% w/v</td>
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<tr>
<td>Sodium Bisulfite</td>
<td>7631-90-5</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
<td>1.16 - 1.98% w/v</td>
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<tr>
<td>Sodium Metabisulfite</td>
<td>7681-57-4</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
<td>0.02 - 0.84% w/v</td>
</tr>
</tbody>
</table>

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. Get Immediate Medical Attention.

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: Not applicable.
Flammable Limits: 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.

Section VI - Accidental Release Measures
Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage
Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III
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
Density: About 1.0 g/ml
Evaporation Rate (water = 1): 1
Solubility: Infinitely miscible with water
Appearance and Odor: A clear colorless liquid with the odor of sodium dioxide.

Section X - Stability and Reactivity
Stability: Freezes at low temperature.
Hazardous Decomposition Products: Decomposes to produce sulfur dioxide.
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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
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</thead>
<tbody>
<tr>
<td>Basic Fuchsin</td>
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<td>No</td>
<td>None</td>
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<tr>
<td>Hydrochloric Acid</td>
<td>No</td>
<td>No</td>
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<tr>
<td>Sodium Bisulfate</td>
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<tr>
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<td>3</td>
</tr>
</tbody>
</table>

MSDS for Schiff's Reagent, page 2 of 3
Section XII - Ecological Information

Environmental Fate: Biodegradable.
Environmental Toxicity: None.

Section XIII - Disposal Considerations

Waste disposal is usually not restricted but local ordinances vary. Insure compliance with all government regulations.

Section XIV - Transportation Information

Not regulated.

Section XV - Regulatory Information

Chemical Inventory Status

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
</tr>
</thead>
<tbody>
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<td>Yes</td>
</tr>
<tr>
<td>Hydrochloric Acid</td>
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</tr>
<tr>
<td>Sodium Metabisulfite</td>
<td>Yes</td>
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</table>

Federal, State and International Regulations

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>SARA 302 RQ</th>
<th>SARA 313 TPQ</th>
<th>SARA 313 List</th>
<th>SARA 313 Category</th>
<th>RCRA</th>
<th>TSCA</th>
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<tbody>
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<tr>
<td>Sodium Metabisulfite</td>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

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.

Revision Date: Jan. 12, 2018