Section I - Product Identification

An aqueous solution of chromotrope 2R, acetic acid, light green SF, fast green FCF and phosphotungstic acid.

Section II - Hazards Identification

Warning. Harmful if swallowed. Wash thoroughly after handling. Do not eat drink or smoke while using this product. If swallowed, rinse mouth with water and call a poison center.

Safety Ratings

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

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

Storage: General storage

NFPA Ratings

Health = 2  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 azo and triphenylmethane dyes.

Inhalation: 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 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>Acetic acid</td>
<td>64-19-7</td>
<td>25 mg/m³ (TWA)</td>
<td>25 mg/m³ (TWA)</td>
<td>1% v/v</td>
</tr>
<tr>
<td>Chromotrope 2R</td>
<td>4197-07-3</td>
<td>————</td>
<td>————</td>
<td>0.6% w/v</td>
</tr>
<tr>
<td>Fast green FCF</td>
<td>2353-45-9</td>
<td>————</td>
<td>————</td>
<td>0.3% w/v</td>
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<tr>
<td>Phosphotungstic acid</td>
<td>12067-99-1</td>
<td>1 mg/m³ (TWA)</td>
<td>3 mg/m³ (STEL) (as W)</td>
<td>0.6% w/v</td>
</tr>
</tbody>
</table>

Section IV - First Aid Measures

Inhalation: Unlikely to be a problem. 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

_Fire:_ Not normally a fire hazard.
_Explosion:_ Not normally an explosion hazard.
_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.
_Skin protection:_ Protective gloves are recommended as part of good laboratory practice.
_Eye Protection:_ Laboratory safety goggles or similar products are 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:_ An opaque purple solution with the characteristic odor of acetic acid.

_Density:_ About 1.0 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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>NTP?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
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<tbody>
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<td>Acetic acid</td>
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<td>no</td>
<td>none</td>
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<td>Phosphotungstic acid</td>
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<td>Chromotrope 2R</td>
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</tbody>
</table>

Section XII - Ecological Information

_Environmental Fate:_ Biodegradable
_Environmental Toxicity:_ Unknown

SDS for Gomori Trichrome Stain, page 2 of 3
Section XIII - Disposal Considerations

Usually not restricted. However, local governments have wide latitude to restrict the amounts of anything that may be flushed down the drain. Dispose of contents and container in accordance with all government regulations.

Section XIV - Transportation information

Not regulated.

Section XV - Regulatory Information

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<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
</tr>
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<tr>
<td>Fast green FCF</td>
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<th>SARA 313</th>
<th>RCRA</th>
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<td>Fast green FCF</td>
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<td>No</td>
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<tr>
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<td>CDTA: No</td>
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<td>SARA 311/312: Acute: Yes, Chronic: No, Flammable: No</td>
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</tbody>
</table>

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.

Revision Date: Jan. 24, 2018