Section I - Product Identification
An aqueous solution of chromotrope 2R, acetic acid, aniline blue 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: Slight  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>
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<tbody>
<tr>
<td>Chromotrope 2R</td>
<td>4197-07-3</td>
<td>———</td>
<td>———</td>
<td>6% w/v</td>
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<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>25 mg/m³ (TWA)</td>
<td>25 mg/m³ (TWA)</td>
<td>1% w/v</td>
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<tr>
<td>Phosphotungstic acid</td>
<td>12067-99-1</td>
<td>1 mg/m³ (TWA) (as W)</td>
<td>3 mg/m³ (STEL) (as W)</td>
<td>0.6% w/v</td>
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<tr>
<td>Aniline blue</td>
<td>28631-66-5</td>
<td>———</td>
<td>———</td>
<td>0.5% 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.
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: 101 °C
Vapor pressure (mm Hg): 18 @ 20 °C
Vapor Density (air = 1): 0.6
Density: About 1.1 g/ml
Evaporation Rate (water = 1): 1
Solubility: Infinitely miscible with water
Appearance and Odor: An opaque purple solution with the characteristic odor of acetic acid.

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>
<tr>
<td>Acetic acid</td>
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<td>no</td>
<td>no</td>
<td>none</td>
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<tr>
<td>Phosphotungstic acid</td>
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<td>Aniline blue</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>none</td>
</tr>
</tbody>
</table>

Section XII - Ecological Information

Environmental Fate: Biodegradable.
Environmental Toxicity: None.
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

### Chemical Inventory Status

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
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<tbody>
<tr>
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<td>Phosphotungstic acid</td>
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<tr>
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### Federal, State and International Regulations

<table>
<thead>
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<th>Ingredient</th>
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<th>SARA 313</th>
<th>RCRA</th>
<th>TSCA</th>
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<td>TPQ</td>
<td>List</td>
<td>Category</td>
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<tr>
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<td>No</td>
</tr>
<tr>
<td>Aniline blue</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No  TSCA 12(b): No  CDTA: No
SARA 311/312: Acute: Yes, Chronic: Yes, Flammable: 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. 16, 2018