SAFETY DATA SHEET
GOMORI’S TRICHROME STAIN

Section 1 - Chemical Product and Company Identification

SDS Name: Gomori’s Trichrome Stain
Catalog Numbers: F-378-2B, F-383-1, SO-345
Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 – Hazards Identification

GHS Classifications

HEALTH HAZARDS

H315-Skin Corrosion/Skin Irritation: 2
H320-Eye damage/Irritation: 2B

PHYSICAL HAZARDS

H290-Corrosive to Metals: 1

ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified
Chronic environmental Hazards: Not classified

Pictograms or Hazard symbols and Hazard statement.

Warning: Causes skin irritation.
Causes eye irritation.
Warning: May be corrosive to metals.

H315
P264-Wash thoroughly after handling.
P280-Wear protective gloves.
P302+P352-IF ON SKIN: Wash with plenty of soap and water.
P332+P313-If skin irritation occurs: Get medical advice/attention.
P362-Take off contaminated clothing and wash before reuse

H320
P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313-If eye irritation persists: Get medical advice/attention.

H290
P234-Keep only in original container.
P390-Absorb spillage to prevent material damage.
P406-Store in corrosive resistant/container with a resistant inner liner.

WARNING! Causes skin irritation. Causes eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not breathe vapors; use with adequate ventilation. May be corrosive to metals. Keep only in original container.

### Section 3 – Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-19-7</td>
<td>Glacial Acetic Acid</td>
<td>1.0 v/v</td>
</tr>
<tr>
<td>4197-07-3</td>
<td>Chromotrope 2R</td>
<td>0.6 w/v</td>
</tr>
<tr>
<td>5141-20-8</td>
<td>Light Green SF Yellowish</td>
<td>0.3</td>
</tr>
<tr>
<td>12501-23-4</td>
<td>Phosphotungstic Acid</td>
<td>0.8</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>balance</td>
</tr>
</tbody>
</table>

### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.
**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Section 5 - Fire Fighting Measures**

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. 

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

**Section 6 - Accidental Release Measures**

**Procedure(s) of Personal Precaution(s):**
Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

**Section 7 - Handling and Storage**

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.
Section 9 - Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance:** Dark brown-Black  
**Odor:** vinegar-like.  
**pH:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** 1.05  
**Evaporation Rate:** N/A  
**Viscosity:** N/A  
**Boiling Point:** 118°C  
**Solubility:** Infinitely soluble

Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.  
**Conditions to Avoid:** Heat, freezing.  
**Incompatibilities with Other Materials:** Chromic Acid, ethylene glycol, perchloric acid, phosphorous trichloride, oxidizers, sodium peroxide, strong caustics, most metals (except aluminum), carbonates, hydroxides, oxides, and phosphates.  
**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes.  
**Hazardous Polymerization:** Will not occur.

Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**  
CAS# 12501-23-4: Not available  
CAS# 64-19-7:  
  - Oral rat LD50: 3310 mg/kg.  
  - Skin: rabbit LD50: 1.06 g/kg  
  - Inhalation mouse LC50: 5620 ppm/1-hr; investigated as a mutagen, reproductive effector.  
**RTECS:** CAS# 28631-66-5: DB4958000  
**LD50/LC50: CAS# 28631-66-5 Not available**  
**CAS# 4197-07-3 Not available**

**Carcinogenicity:**  
CAS# 64-19-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 12501-23-4: Not available  
CAS# 4197-07-3: Not available  
**Carcinogenicity: CAS# 28631-66-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.**
Section 12 - Ecological Information

Ecotoxicity:

**CAS#** 64-19-7. This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

**Environmental:** When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.

**Physical:** No information available.

**Other:** No information available.

Section 13 - Disposal Considerations

**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

**DOT**

Non-Regulated

Section 15 - Regulatory Information

**Canada Regulatory Information**

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Risk Phrases:**

R22 Harmful by inhalation, in contact with skin and if swallowed
R36/38 Irritating to eyes and skin

**Safety Phrases:**

S20/21 When using do not eat, drink or smoke
S2 Keep out of the reach of children.
S 7 Keep container tightly closed.
S 9 Keep container in a well-ventilated place
MSDS Creation Date: 10/15/12
Revision #1. RC 11-3-14
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