1. Identification

**Product Name:** Tartrazine Stain  
**Item #:** 
**Synonyms:** N/A  
**Recommended Use:** Laboratory Reagent  
**Restrictions on Use:** Any use other than recommended  
**Manufacturer/Supplier:** Avantik Biogroup  
32 Commerce Street  
Springfield, NJ 07081  
1-888-392-8411  
**In Case of Emergency:**  
Chemtrec US 1-800-424-9300  
Chemtrec International 703-527-3887

2. Hazards Identification

**OSHA Hazard Classification(s):** No OSHA Hazard Classifications Applicable  
**Signal Word:** N/A  
**Hazard Statement(s):** N/A  
**Pictogram(s):** N/A  
**Precautionary Statement(s):** Prevention: N/A  
Response: N/A  
Disposal: N/A  
Storage: N/A

**Descriptions of Hazards not otherwise classified:** N/A  
**Percent of mixture with unknown acute toxicity:** N/A

3. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS #</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Tartrazine</td>
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<td>1934-21-0</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Glacial Acetic Acid</td>
<td></td>
<td>64-19-7</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Select Preservative</td>
<td></td>
<td></td>
<td>Trade Secret</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Skin Contact:** If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.  
**Inhalation:** Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you feel unwell.  
**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.  
**Symptoms:** Irritation eyes, nose, throat; headache, dizziness  
**Recommendations for immediate medical care/special treatment:** Get medical advice/attention if you feel unwell.

5. Fire-Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water.  
**Fire Hazards (Chemical):** Not flammable.
Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.
Precautions for Firefighters: Carbon monoxide and unidentified organic compounds may be formed during combustion.

6. Accidental Release Measures

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.
Protective Equipment: See section 8
Environmental Precautions: Prevent release to the environment by using barriers.

7. Handling and Storage

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product.

8. Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs):

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>OSHA PEL TWA</th>
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</thead>
<tbody>
<tr>
<td>Glacial Acetic Acid</td>
<td>64-19-7</td>
<td>10ppm</td>
</tr>
</tbody>
</table>

ACGIH Threshold Limit Values (TLVs):

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>ACGIH PEL TLV</th>
<th>ACGIH STEL</th>
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</thead>
<tbody>
<tr>
<td>Glacial Acetic Acid</td>
<td>64-19-7</td>
<td>10ppm</td>
<td>15ppm</td>
</tr>
</tbody>
</table>

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.
Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.
Special PPE Requirements: If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section

Appearance: Red, Liquid
Molecular Weight: N/A
Molecular Formula: N/A
pH: 3.0-4.0
Boiling Point and Boiling Range: N/A
Melting Point/Freezing Point: N/A
Flash Point: N/A
Specific Gravity/Relative Density: N/A
Odor: Vinegar like
Odor Threshold: N/A
Color: Red
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
10. Stability and Reactivity

Reactivity: Not Reactive
Chemical Stability: Stable
Conditions of Stability/Instability: Stable under normal conditions of temperature and pressure
Stabilizers needed: None
Safety issue indicated by appearance change: N/A
Other: N/A
Hazardous Reactions: N/A
Hazardous Polymerization: Does not occur
Conditions to avoid: N/A
Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases
Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.

11. Toxicological Information

 Likely Routes of Exposure
 Eyes: Irritation.
 Skin: Irritation.
 Inhalation: Dizziness, mild headache.
 Ingestion: Nausea.

 Signs or Symptoms of Exposure: Nausea.
 Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.
 Acute Toxicity (Numerical Measures): N/A
 Carcinogenicity (NTP, IARC, OSHA): N/A

12. Ecological Information

 Ecotoxicity: N/A
 Persistence and degradability: N/A
 Bioaccumulation Potential (octanol-water partition coefficient, BCF): N/A
 Mobility in the soil: N/A
 Adverse Environmental Effects: N/A

13. Disposal Considerations

 Recommended Disposal Containers: Check with your local waste authorities*
 Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*
 Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*
 Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*
 Waste Stream: Consult your local or regional authorities.*

14. Transport Information

 UN Number: Not regulated
 UN Proper Shipping Name:
 Transport Hazard Class(es):
Packing Group Number:
Environmental Hazards (IMDG code):
   Marine Pollutant:
Transport in Bulk (IBC Code):
Special Transport Precautions:

15. Regulatory Information
OSHA: N/A
DOT: N/A
EPA: N/A
CPSC: N/A
16. Other Information

Revision Date: 06/03/2015

NFPA

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<tr>
<td>Fire Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
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</table>

Specific Hazard

NFPA Health Hazard 1

National Fire Protection Association (USA) NFPA Fire Hazard

Health 0 Reactivity 0 Specific Hazard

HMIS

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<table>
<thead>
<tr>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Health</td>
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</tr>
<tr>
<td>Physical Hazard</td>
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</tr>
<tr>
<td>Personal Protection</td>
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</table>

HMIS Health 1 Flammability 0 Physical Hazard 0 Personal Protection

Hazardous Material Information System HMIS

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.