SAFETY DATA SHEET: GALLIC ACID

1. IDENTIFICATION

Product Name: GALLIC ACID
Synonyms:
Formula and Formula Weight: C7H6O5 H2O  188.14
Integra numbers beginning with: G070.10
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification:
Skin Corrosion/Irritation 2 Causes skin irritation.
Eye Damage/Irritation 2A Causes serious eye irritation.
Specific Target Organ Toxicity (single exposure) 3 May cause respiratory irritation.

Hazard Category: Warning

Precautionary Statements

Prevention:
Avoid breathing dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
Wear eye protection, face protection.

Response
If on skin: Wash with plenty of water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center, doctor if you feel unwell.
Specific treatment (see first aid section on this label)
If skin irritation occurs: Get medical advice, attention.
If eye irritation persists: Get medical advice, attention.
Take off contaminated clothing and wash it before reuse.

Storage
Store in a well ventilated place. Keep container tightly closed.
Store locked up.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

Hazard Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gallic acid monohydrate</td>
<td>3,4,5-Trihydroxybenzoic acid</td>
<td>05995-86-8</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.
Ingestion: If conscious, rinse mouth and give victim large amounts of water. Seek medical attention.
Additional notes: Symptoms and effects include skin, eye, respiratory irritation.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical or foam.
### PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige crystals</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>252 °C</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>250 °C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable or Explosive</td>
<td>Upper: Not available</td>
</tr>
<tr>
<td>Flammable or Explosive Limits (% by volume in air)</td>
<td>Lower: Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Slightly soluble in water</td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>252</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into clean, dry disposal container. Flush spill area with water.

### 7. HANDLING AND STORAGE

**Incompatible Materials:** Incompatible with strong bases and strong oxidizers. Acid chlorides, acid anhydrides

**Storage and Handling:** Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage.

- Avoid breathing dust, fume, gas, mist, vapors, spray.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves.
- Wear eye protection, face protection.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**OSHA & ACGIH Exposure Limits:**

- Gallic acid monohydrate: None identified

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

**Respiratory Protection:** If use generates dusts, mists or vapors, use a NIOSH approved respirator with a particulate filter.

**Skin/Eye Protective Equipment:** Safety goggles, protective clothing and gloves appropriate for the risk of exposure.

Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Beige crystals
- Odor: Not available
- Odor Threshold: Not available
- pH: Not available
- Melting/Freezing Point: Not available
- Initial Boiling Point and Boiling Range: Not available
- Flash Point: 250 °C
- Evaporation Rate: Not available
- Flammability: Not available
- Flammable or Explosive Limits (% by volume in air): Upper: Not available Lower: Not available
- Vapor Pressure: Not available
- Vapor Density: Not available
- Relative Density: Not available
- Solubility: Slightly soluble in water
- Partition Coefficient: n-octanol/water: Not available
- Auto-Ignition Temperature: Not available
- Decomposition Temperature: 252
- Viscosity: Not available

### 10. STABILITY AND REACTIVITY

- Reactivity: No information available
- Stability: Stable
- Possibility of Hazardous Reactions: Hazardous polymerization will not occur
- Conditions to Avoid: No information available
- Incompatibilities: Incompatible with strong bases and strong oxidizers. Acid chlorides, acid anhydrides
- Decomposition Products: Oxides of carbon.

### 11. TOXICOLOGICAL INFORMATION

**Effects of Over Exposure:**

- Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
- Skin Contact: Contact may cause skin irritation.
- Eye Contact: Contact may be irritating to the eyes.
- Ingestion: May be harmful if swallowed.
- Chronic Effects: None identified
- Target Organs: None identified
- Additional Effects: None identified
16. OTHER INFORMATION

OSHA SDS #: 25679 rev 101  3/27/2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****