

# MATERIAL SAFETY DATA SHEET

Product: **Gallic Acid**

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Material Identity

Product Name: Gallic Acid, Purified, Technical  
Product Code: CH-5995868A  
Chemical Formula:  $\text{C}_7\text{H}_5\text{O}_6$   
General or Generic ID: 3,4,5-trihydroxybenzoic acid.

### Company

ArtChemicals.com  
2250 Davis Street  
San Leandro, CA 94577-2204  
510-639-4670

### Emergency Telephone Number:

1-800-451-8346

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS No.</u>	<u>Chemical Identity</u>	<u>Common Name</u>	<u>%</u>
5995-86-8	Acid	Gallic acid monohydrate	100

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## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

#### Eye:

Very hazardous in case of eye contact (irritant). Symptoms include stinging, tearing, redness and impairment of vision. The degree of injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

#### Skin:

Very hazardous in case of skin contact (irritant/permeator). Symptoms may include redness, burning of skin, or, occasionally, blistering. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment.

#### Ingestion:

Hazardous in case of ingestion. Inhalation of dust will produce irritation to gastro-intestinal tract or respiratory tract, characterized by burning, sneezing and coughing.

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**Inhalation:**

Slightly hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death.

**Symptoms of Exposure:**

Not available.

**Development Information:**

Not available.

Repeated or prolonged exposure to the substance can produce target organs damage.

**Cancer Information:**

Not available.

**Primary Route(s) of Entry:**

Inhalation, skin absorption, skin contact, and eye contact.

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## 4. FIRST AID MEASURES

**Inhalation:**

If affected, promptly remove individual to fresh air. If not breathing, give artificial respiration. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Seek medical attention.

**Ingestion:**

Do NOT induce vomiting, unless directed by a medical personnel. Seek medical attention immediately. If victim is not breathing, perform mouth-to-mouth resuscitation. If large quantities of this material are swallowed, call a physician immediately. Do not leave individual unattended. Loosen tight clothing such as collar, tie, belt or waistband.

**Eyes:**

Remove contact lenses if worn. Spread eyelids with fingers and flush eye for minimum of 15 minutes with water; keep rotating the eyes to ensure complete flushing. Cold water may be used. Do not use eye ointment. Seek medical attention immediately.

**Skin:**

Immediately remove contaminated clothing and thoroughly flush skin with plenty of water (15 minutes). Wash thoroughly with disinfectant soap and water. Cold water may be used. Cover

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the irritated skin with an emollient. Be careful to clean folds, crevices, creases and groin. Seek medical attention immediately. Launder clothing before reuse.

**Note to Physicians:**

Not available.

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## 5. FIRE FIGHTING MEASURES

**Flash Point:** May be combustible at high temperature.

**Explosive Limit:** Not available.

**Auto-ignition Temperature:** Not available.

**Hazardous Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Extinguishing Media:** SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Not available.

**NFPA CODES:** Health = 2                      Flammability = 1                      Reactivity = 0

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## 6. PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:**

**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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## 7. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Respiratory Protection:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

### Skin Protection:

Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots or lab coat.

### Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised. Face shield.

### Other Protective Clothing or Equipment:

Provide sufficient mechanical ventilation to maintain exposure below level of overexposure. Boots. Full suit. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Solid.

**Molecular Weight:** 188.14 g/mole

**pH:** Not available.

**Boiling Point:** Not available.

**Melting Point:** Decomposes.

**Specific Gravity:** 1.7 (Water=1)

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**Vapor Pressure:** Not available. (@ 20°C)  
**Evaporation Rate:** Not available.  
**Solubility in Water:** Very slightly soluble in cold water.

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## 10. STABILITY AND REACTIVITY

**Incompatibility:** Not available.  
**Stability:** Stable.  
**Hazardous Decomposition:** N/A  
**Hazardous Polymerization:** Will not occur.

**Special Remarks on Reactivity:** Not available.

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## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (LD50): 5000 mg/kg [Rabbit].

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## 12. ECOLOGICAL INFORMATION

Not available.

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.

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## 13. DISPOSAL CONSIDERATION

**Waste Disposal Method:**

Dispose of in accordance with all applicable local, state and federal regulations.

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## 14. DOT SHIPPING NAME & IDENTIFICATION:

NON-REGULATED. Not a DOT controlled material (United States).

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## 15. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that information is current, applicable, and suitable to their circumstances.