



Section 1. Product and Company Identification

**Product Name** Tannic Acid  
**CAS Number** 1401-55-4

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
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CHEMTEL  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)**

Acute aquatic toxicity (Category 3), H402  
Chronic aquatic toxicity (Category 3), H412

**GHS Label Elements**

**Pictograms:** N/A  
**Signal word:** N/A

**Hazard and precautionary statements**

**Hazard Statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

P273 Avoid release to the environment.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** None

Section 3. Composition / Information on Ingredients

**Common Name** Tannic Acid  
**Synonym(s)** Tannin; Gallotannin  
**Formula** C<sub>76</sub>H<sub>52</sub>O<sub>46</sub>  
**CAS Number** 1401-55-4

COMPONENT	CAS NUMBER	CONCENTRATION
Tannic Acid	1401-55-4	> 80%



#### Section 4. First Aid Measures

##### **Description of First-aid Measures**

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye Contact:** Flush eyes with water as a precaution.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most Important Symptoms and Effects, both Acute and Delayed:** The most important known symptoms and effects are described in the labelling and/or in section 11.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** No data available

#### Section 5. Firefighting Measures

##### **Extinguishing Media**

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Special Hazards arising from the Substance or Mixture:** Carbon oxides

**Advice for Firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further Information:** No data available

#### Section 6. Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and Materials for Containment and Cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 3.

**Conditions for Safe Storage, including any Incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.



Section 8. Exposure Controls / Personal Protection

**Control Parameters**

**Components with Workplace Control Parameters:** Contains no substances with occupational exposure limit values.

**Exposure Controls**

**Appropriate Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal Protective Equipment**

**Eye/Face Protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of Environmental Exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9. Physical and Chemical Properties

**Information on Basic Physical and Chemical Properties**

**Appearance - Form:** Powder with lumps

**Color:** Light brown

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point/Range:** 218°C (424°F) - lit.

**Initial Boiling Point and Boiling Range:** No data available

**Flash Point:** 199°C (390°F)

**Evaporation Rate:** No data available

**Flammability (Solid, Gas):** No data available

**Upper/Lower Flammability or Explosive Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available



**Relative Density:** No data available  
**Water Solubility:** No data available  
**Partition Coefficient (n-Octanol/Water):** No data available  
**Auto-Ignition Temperature:** No data available  
**Decomposition Temperature:** No data available  
**Viscosity:** No data available  
**Explosive Properties:** No data available  
**Oxidizing Properties:** No data available

**Other Safety Information:** No data available

Section 10. Stability and Reactivity

**Reactivity:** No data available  
**Chemical Stability:** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions:** No data available  
**Conditions to Avoid:** No data available  
**Incompatible Materials:** Strong oxidizing agents, Strong bases  
**Hazardous Decomposition Products:** No data available. In the event of fire: see section 5.

Section 11. Toxicological Information

**Information on Toxicological Effects**

**Acute Toxicity:** LD50 Oral – Rat: 2,260 mg/kg

**Remarks**

**Behavioral:** Convulsions or effect on seizure threshold.  
**Lungs, Thorax, or Respiration:** Dyspnea.  
**Gastrointestinal:** Other changes.  
**Inhalation:** No data available  
**Dermal:** No data available  
LD50 Intraperitoneal – Mouse: 120 mg/kg  
**Skin Corrosion/Irritation:** No data available  
**Serious Eye Damage/Eye Irritation:** No data available  
**Respiratory or Skin Sensitization:** No data available

**Germ Cell Mutagenicity**

**Rat:** Unscheduled DNA synthesis  
**Rat:** Unscheduled DNA synthesis  
**Mouse:** DNA inhibition

**Carcinogenicity**

**Carcinogenicity – Rat – Subcutaneous**

**Tumorigenic:** Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors.



**IARC:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Tannic acid)  
**ACGIH:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.  
**NTP:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.  
**OSHA:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.  
**Reproductive Toxicity:** No data available

**Reproductive Toxicity – Rat – Oral**

**Effects on Newborn:** Live birth index (# fetuses per litter; measured after birth).  
**Effects on Newborn:** Growth statistics (e.g., reduced weight gain).

**Reproductive Toxicity – Rat – Subcutaneous**

**Maternal Effects:** Ovaries, fallopian tubes.

**Reproductive Toxicity – Mouse – Oral**

**Effects on Newborn:** Live birth index (# fetuses per litter; measured after birth).  
**Effects on Newborn:** Viability index (e.g., # alive at day 4 per # born alive).  
**Effects on Newborn:** Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).

**Specific Target Organ Toxicity – Single Exposure:** No data available

**Specific Target Organ Toxicity – Repeated Exposure:** No data available

**Aspiration Hazard:** No data available

**Additional Information**

**RTECS:** WW5075000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Section 12. Ecological Information

**Toxicity**

**Toxicity to Fish**

Mortality LOEC – *Oncorhynchus tshawytscha* – 1.7 mg/l – 3 d  
LC50 – *Gambusia affinis* (Mosquito fish) – 37 mg/l – 96 h  
Mortality NOEC – *Oncorhynchus tshawytscha* – 0.96 mg/l – 3 d

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available



**Results of PBT and vPvB Assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other Adverse Effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

Section 15. Regulatory Information

**SARA 302 Components**

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Chronic Health Hazard

**Massachusetts Right to Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right to Know Components:**

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CAS-No. 1401-55-4

**New Jersey Right to Know Components**

Tannic Acid  
CAS-No. 1401-55-4

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.



**HMIS Rating**

**Health:** 1\*

**Flammability:** 1

**Reactivity:** 0

**NFPA Rating**

**Health:** 0

**Flammability:** 1

**Reactivity Hazard:** 0

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 1/15/2016

