

Safety Data Sheet



The Natural Choice for Flavor
and Fragrance Ingredients

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

Section 1: IDENTIFICATION

Product Name: **Tannic Acid, Natural**
 Product Number: 0304200
 CAS-No.: 1401-55-4

Recommended Use: Flavorings

Manufacturer: Aurochemicals
 7 Nicoll Street
 Washingtonville, NY 10992 – USA
 845-496-6065
 845-496-6248 Fax

Emergency Telephone No.: 1-800-535-5053
 (International 1-352-323-3500 collect)

Section 2: HAZARD(s) IDENTIFICATION

GHS Classification in accordance with
 29 CFR 1910 (GHS)

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

Signal Word: None

Hazard Statement: H412 Harmful to aquatic life with long lasting effects

Pictogram or written description: None

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

Hazards not otherwise classified (HNOC): None

Or not covered by GHS

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Tannic Acid
 Synonyms: Tannin; Gallotannin
 CAS #: 1401-55-4
 EC#: 215-753-2
 Molecular Weight: 1,701.20 g/mol
 Molecular Formula: C₇₆H₅₂O₄₆

Hazardous components

Compound	Classification	Concentration
Tannic Acid	Aquatic Acute 3; Aquatic chronic 3, H412	90-100%

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Section 4: FIRST AID MEASURES

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Contact with eyes:	Rinse thoroughly with plenty of water and seek medical advice
Contact with skin:	Rinse with cool water; wash with mild soap and warm water. Seek medical advice
Inhalation:	Provide fresh air, seek medical advice
Ingestion:	Rinse mouth with water, seek medical advice
Clothing:	Remove contaminated clothing and wash before re-use

Section 5: FIREFIGHTING MEASURES

Extinguishing Media	Water Spray, Carbon Dioxide, Foam, powder
Special Hazards	Forms Carbon Oxides under fire conditions
Special Risks	Development of hazardous combustion gases or vapors possible in the event of fire – Carbon oxides

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protection	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust. Ensure supply of fresh air in enclosed rooms
Environment 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 for Containment and Clean Up	With absorbent, sweep up and discard in container, set out for disposal. Do not let product enter drains, do not discharge into environment
Ventilate area	After sweep up, wash area and ventilate area well

Section 7: HANDLING AND STORAGE

Handling:	Avoid formation of dust and aerosols Provide appropriate exhaust ventilation at place where dust is formed, Avoid inhalation of vapor or mist
Storage:	Normal measures for preventive fire protection Store tightly closed, in cool, dry well ventilated place

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values
Personal Protective Equipment:	These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.
Body Protection:	Protective clothing should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

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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)
Eye Protection:	Wear eye and face protection – Face Shield
Hand Protection:	Wear chemically resistant gloves of Nitrile Rubber, 0.11 mm thick.
Industrial Hygiene:	Handle in accordance with good industrial hygiene and safety practice. Wash hands after working with product

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder, with lumps
Color:	Yellowish – tan powder
Odor:	Odorless
Boiling Point:	No data available
Flashpoint:	199°C
Melting Point:	218°C
Ignition temperature	527°C (981°F)
Auto-Ignition	No data available
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Vapor Pressure:	No data available
Specific Gravity @ 25°C:	No data available
Solubility in Water:	Soluble in water

Section 10: STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions
Possible of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents, strong bases
Hazardous decomposition product	No data available

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	2,260 mg/kg
LD50, Oral Rat	Remarks: Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax or Respiration: Dyspnea. Gastrointestinal: Other changes
LC50 Inhalation Rat	No data available
LD50 Dermal Rabbit	No data available
LD 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 Mouse- DNA synthesis

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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 components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH

NTP No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP

OSHA No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA

Reproductive Toxicity

Oral – Rat:

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

Rat-Subcutaneous

Maternal Effects – Ovaries, fallopian tubes

Oral – Mouse

Effects on newborn: Live birth index (# of fetuses per litter; measured after birth)

Effects on newborn: Weaning or lactation indeed (e.g. # alive at weaning per # alive at day #4).

Specific target organ toxicity-Single exposure

No data available

Specific target organ toxicity-Repeat exposure

No data available

Aspiration hazard

No data available

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

To Fish

LC50 – Gambusia affinis (Mosquito fish) – 37 mg/l 96 hr

Mortality LOEC – Oncorhynchus tshawytscha 1.7 mg/l 96 hr

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

Result of PBT and 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 with long lasting effects

Section 13: DISPOSAL CONSIDERATIONS

Product:

According to local regulations

Packaging:

According to local regulations

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Section 14: TRANSPORT INFORMATION

DOT (US)	Not a dangerous goods
IMDG	Not a dangerous goods
IATA	Not a dangerous goods

Section 15: REGULATORY INFORMATION

SARA 302 Components:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313 Components:	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
Pennsylvania Right To Know Components	Tannic Acid CAS#1401-55-4
New Jersey Right To Know Components	Tannic Acid CAS#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

Section 16: OTHER INFORMATION

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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