



MATERIAL SAFETY DATA SHEET

Section 1 - Product and Company Information

Product detail

MSDS Name: Tannic Acid

Catalog Numbers:T/0150

Synonyms: Gallotannin; Glycerite

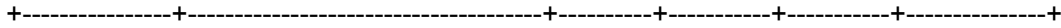
Manufacturer/Supplier

Lonwin Industry Group Limited
Room A407,Tower A,Fagina Building,No 966 Huaxu Road,
Qingpu District,Shanghai, 201702, P.R. China.
Tel: 86-21-59885030
Fax:86-21-65080210

<http://www.lonwinchem.com>

Section 2 - Composition and Information on Ingredients

+	CAS#		Chemical Name		%		EINECS #		Haz
	1401-55-4		Tannic Acid		100		215-753-2		



Hazard Symbols: XN

Risk Phrases: 33

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger of cumulative effects.

Potential Health Effects

Eye:

May cause eye irritation. May result in corneal injury.

Skin:

May cause skin irritation. May be absorbed through the skin in harmful amounts.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver damage.

Inhalation:

Dust is irritating to the respiratory tract.

Chronic:

Chronic ingestion may cause liver damage.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin:

Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Section 5 – Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use water only!

Section 6 – Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up or absorb material, then place into a suitable clean, dry closed container for disposal.

Section 7 -Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale.

Storage:

Store in a cool, dry place.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State:	Solid
Color:	Yellow-brown powder.
Odor:	Faint odor.
pH:	Weak acid in water.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	Decomposes
Autoignition Temperature:	980 deg F (526.67 deg C)
Flash Point:	390 deg F (198.89 deg C)
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	218 deg C
Solubility in water:	Completely soluble in water
Specific Gravity/Density:	Not available.

Molecular Formula: $C_{76}H_{52}O_{46}$

Molecular Weight: 1700.3364

Section 10 - Stability and Reactivity Data

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, light, exposure to air, temperatures above 200°C.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases, gelatin. Hazardous

Decomposition Products:

Carbon monoxide, carbon dioxide Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 1401-55-4: FM3015000 PY7955000 UZ3400000 WU7185000 WW5075000

LD50/LC50:

CAS# 1401-55-4: Oral, rabbit: LD50 = 5 gm/kg; Oral, rat: LD50 = 2260 mg/kg.

Carcinogenicity:

Tannic Acid - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - Other Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 33 Danger of cumulative effects.

Safety Phrases:

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 1401-55-4: 1

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 1401-55-4 is listed on Canada's DSL List.

CAS# 1401-55-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 1401-55-4 is listed on the TSCA inventory.

Section 16 - Other Information

MSDS Creation Date: 3/31/1995 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary

damages, howsoever arising, even if the company has been advised of the possibility of such damages.