

Safety data sheet

according to Regulation (EC) No 1907/2006



FARMATAN

Date of first issue: 01/1997

Revision date: 29/05/2019

Version: 12

Print date: 29/05/19

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: FARMATAN – Tannic acid

CAS Number: 1401-55-4

EC Number: 215-753-2

INDEX Number: not relevant

REACH Number: Do not require registration

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: The product is intended for professional use. It is a feed additive used for mixing into complete and supplemental compound feed.

Uses advised against: not relevant

1.3 Details of the supplier of the safety data sheet

TANIN kemična industrija, d.d.
Hermanova 1, 8290 Sevnica, Slovenia
Tel.: 00 386 7 81 64 400, 421, Fax.: 00 386 7 81 64 445
E-mail: jure.fritz@tanin.si

1.4 Emergency telephone number

In case of health endanger contact your personal or doctor on duty but only in case of vital endanger call the phone number PSAP.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to GHS/CLP (Regulation EC No 1272/2008)

The product is considered not hazardous and is not classified according to the CLP regulation.

2.2 Label elements

Label elements according to GHS/CLP (Regulation EC No 1272/2008)

The product does not need to be labelled according to GHS/CLP (Regulation (EC) No. 1272/2008) because the product is considered not hazardous.

2.3 Other hazards

The product does not comply with criteria for PBT or vPvB in accordance with Annex XIII, also not know other hazards which are not subject to a classification.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Main constituent	Identity	Percentage
Tannic Acid	CAS No.: 1401-55-4	≥ 60 %
	EC No.: 215-753-2	

Classified impurities or stabilizers

None

3.2 Mixtures

Not applicable

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:	When in doubt or if symptoms are observed, get medical advice. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
Inhalation	Provide fresh air. If inhaled, remove victim from source to fresh air. If breathing is difficult, get medical advice.
Skin contact	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately.
Eye contact	Check for and remove any contact lenses. Wash immediately with plenty of water for at least 15 minutes. If irritation or redness persists, seek medical attention if allergic response exhibited.
Ingestion	Remove the substance from mouth and rinse with plenty of water. In small quantities is not dangerous. In case of ingestion of large amounts seek a medical attention.
Self-protection of the first aider:	First aider: pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Not identified.
Nature of Hazard:	Not relevant

4.3 Indication of any immediate medical attention and special treatment needed

Not relevant.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water, CO₂, appropriate foam.

Unsuitable extinguishing media: not relevant.

5.2 Special hazards arising from the substance or mixture

Avoid inhaling the fumes upon combustion.

Keep dust clouds away from possible ignition points.

5.3 Advice for fire-fighters

General information:

Fire-fighters should wear self-contained apparatus with full piece operated in positive pressure mode and protective clothing to prevent contact with skin and eyes.

Special protective equipment for firefighters:

No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing as specified in section 8. The spilled material may cause a slipping hazard. Unprotected personnel from entering the movement area of the scattering prohibited.

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6.2 Environmental precautions

Product must be collected or vacuumed and possibly re-use or burn or disposed of in accordance with regulations.

6.3 Methods and material for containment and cleaning up

Dust is mechanically collected in containers and disposed of in accordance with regulations, the area wash with plenty of water.

6.4 Reference to other sections

Disposal: see section 13.

Personal protection equipment: see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

When working must be to follow the instructions for safe handling and wear protective equipment as specified in section 8.

Keep containers sealed when not in use. Establish good housekeeping practices. Maintain high standards of personal hygiene. Washing hands prior to eating, drinking or using toilet facilities.

Technical measures

Provide adequate ventilation as well as local exhaustion at critical locations.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and store in a cool, dry, well-ventilated place.

Packaging material

Not relevant.

Further information on storage conditions

Protect against: moisture, heat, sparks and flame.

Storage temperature: Do not expose to temperatures above 60°C.

Relative room humidity (%): not relevant.

Storage stability: at least 24 months.

Maximum period of storage (time): not relevant.

7.3 Specific end use(s)

Not relevant.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Not relevant.

8.2 Exposure controls

Appropriate engineering controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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Individual protection measures, such as personal protective equipment

- Eye/face protection: Use protection goggles (EN 166).
- Hand protection: Wear suitable gloves (NBR- nitrile rubber, PVC-polyvinyl chloride). The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quality of hazardous substances.
- Body protection: For the protection against direct skin contact, body protective clothing is essential (working clothes). Work cloths should be wash regularly.
- Respiratory protection: Protection is not normally required. Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Environmental exposure controls

No additional measures necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Physical appearance	brown powder / granules
b) Odour	characteristic
c) Odour threshold	n.a.
d) pH	3,2 ± 0,3
e) Melting point/ freezing point	degradable at 200°C
f) Initial boiling point	n.a.
g) Flash point	198°C
h) Evaporation rate	n.a.
i) Flammability	n.a.
j) Upper/lover flammability or explosive limits	n.a.
k) Vapour pressure	n.a.
l) Vapour density	n.a.
m) Relative density	powder: 500 – 600 g/dm ³ granules: 600 – 700 g/dm ³
n) Solubility	600 g/dm ³
o) Partition coefficient: n-octanol/water	n.a.
p) Auto ignition temperature	527 °C
q) Decomposition temperature	not determined
r) Viscosity	n.a.
s) Explosive properties	n.a.
t) Oxidising properties	n.a.

9.2 Other information

Not relevant.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not relevant

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Not available

10.4 Conditions to avoid

Not relevant.

10.5 Incompatible materials

Incompatible with strong oxidants and with metals.

10.6 Hazardous decomposition product

Not relevant

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological data are not available.

Acute toxicity:	Oral (rat): LD 50 > 2500 mg/kg Oral (rabbit): LD 50 = 6000 mg/kg
Specific symptoms in laboratory animals:	Not relevant
Skin irritation:	Slightly irritant but not relevant for classification.
Eye irritation:	Slightly irritant but not relevant for classification
Respiratory sensitisation:	Slightly irritant but not relevant for classification
Other toxicological information:	Not information is available about possible effects on human health.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities.

For aquatic organisms:	Not toxic at concentration lower than 1%.
For soil organisms:	Information not available.
For plants and land animals:	Not toxic at concentrations of less than 3%.

12.2 Persistence and degradability

After the oxidation is complete biodegradability. In the earth degradable by bacteria and fungi.

12.3 Bioaccumulative potential

Not expected bioaccumulation.

12.4 Mobility in soil

There are no data available.

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12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

There are no data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No ecological problems are to be expected when the product is handles and used with due care and attention. Waste and overflow pure substances recycled or disposed of in accordance with the local and national regulations.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous substance according to transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the mixture

Since the product is not classified as a hazardous chemical is therefore not require special precautions Regulations.

15.2 Chemical safety assessment

The chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

Changes to the previous version:

Previous version: 11

Changes: General update (added data for the granulate);

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persisten and very Bioaccumulative
LD 50	Lethal dose, 50 percent

Other information:

All information provided in this document is based on current knowledge and experience and serve as a guide for safe handling, storage, transport and disposal of substance, but not as warranty or quality specification. The information is applicable only to the substance and is not subject of a mixture with other chemicals.

This MSDS has been prepared in conformity with Regulation (EC) No. 453/2010 and in according to the new labelling CLP (Regulation (EC) No. 1272/2008 with all amendments and adaptations).