

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : Tannic acid-granular
CAS No : 1401-55-4
EC No : 215-753-2
EC Index No : No data available
Product code : L005
Synonyms : ALSOK
BREWTAN
FLOCTAN
TANAL
TANEX
TEXTAN

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

1.2.1. Relevant identified uses

Use of the substance/mixture : For professional use only
Chemicals for the Food Industry
Textile industries
Pharmaceutical intermediate.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Ajinomoto OmniChem Wetteren - Natural specialties
Cooppallaan 91
9230 Wetteren - Belgium
T +32 (0)9 365 33 33 - F +32 (0)9 369 82 64
Milieu_Veiligheid@Omnichem.be

1.4. Emergency telephone number

Emergency number : +32 (0)9 365 33 33
8h - 12h & 13h - 17h CET/CEST

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : No ecotoxicological data about this product are known.

SECTION 3: Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components

3.1. Substance

Name : Tannic acid-granular
CAS No : 1401-55-4
EC No : 215-753-2

Tannic acid-granular

L005

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Tannic acid	(CAS No) 1401-55-4 (EC No) 215-753-2	<= 100	Not classified

Full text of H-statements: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Likely routes of exposure	: Skin and eyes contact, Ingestion, Inhalation
First-aid measures general	: Consult a physician after significant exposure.
First-aid measures after inhalation	: Remove victim to fresh air. Place the victim in semi-seated position. Give oxygen or artificial respiration as needed. Obtain medical attention.
First-aid measures after skin contact	: Remove contaminated clothing and shoes. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Flush with lukewarm water for 15 minutes. Contact ophthalmologist immediately.
First-aid measures after ingestion	: Give water to drink. Rinse mouth. Do not induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to be an irritant. Initial moderate skin irritation. Exposure to this material can result in absorption through skin causing significant health hazard.
Symptoms/effects after eye contact	: Not expected to be an irritant to eyes. May cause minor eye irritation.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. This material may be health hazardous if ingested in large quantities. Nausea. May cause gastric irritation. Affects the liver.
Chronic symptoms	: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment	: Treat symptomatically
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: All extinguishing agents can be used.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No data available
Explosion hazard	: Potential dust explosion hazard.
Hazardous decomposition products in case of fire	: When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined. Under fire conditions, highly hazardous fumes will be present.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters.
Surrounding fires	: Use water spray/fog for cooling. Apply water spray or fog to cool nearby equipment

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate every possible source of ignition. Avoid dust production.
Personal precautions	: Evacuate and limit access. No smoking. Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dilute residues and flush. Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General : Eliminate every possible source of ignition
Handling : Avoid all unnecessary exposure. Do not breathe dust. Ensure prompt removal from eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Wear suitable protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store at ambient temperature. Protect from low temperatures. Avoid high temperatures. Store in dry, well-ventilated area. Keep container closed when not in use. Keep away from food, drink and animal feeding stuffs. Eliminate every possible source of ignition.
Storage area : Direct sunlight. Heat. Moisture. Open flame. Sources of ignition. Sparks.
Packaging materials : The product is stored in UN certified packaging: a double PE liner, packed in a fibredrum (1G/X../S).

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEB AOC : No data available
OEL AOC : No data available

8.2. Exposure controls

Appropriate engineering controls : Either local exhaust or general room ventilation is usually required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection : Chemical resistant gloves (according to European standard NF EN 374 or equivalent)
Skin and body protection : Wear a coverall type 5, specific for manipulation of solids (cfr. ISO 13982-1) if needed.
Respiratory protection : Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Formula : No data available
Molecular mass : Not applicable
Colour : Beige.
Odour : characteristic.
Odour threshold : No data available
pH : $\approx 3,5$ at 20 °C
pH solution : No data available
Melting point : ≈ 200 °C Decomposes before melting
Freezing point : No data available
Boiling point : No data available
Flash point : 198 °C
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : No data available
Vapour pressure : Not applicable
Relative vapour density at 20 °C : No data available
Density : 0,3 - 0,5 g/cm³

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Solubility	: 25 g/100ml Soluble in water Soluble in : Methyl alcohol
Solubility in water	: No data available
Log Pow	: No data available
Auto-ignition temperature	: 470 °C
Decomposition temperature	: > 210 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: No data available
Explosive limits	: No data available
Oxidising properties	: No data available

9.2. Other information

Specific conductivity	: No data available
Minimum ignition energy	: No data available
Minimum Ignition Temperature (dust cloud - °C)	: No data available
Layer ignition temperature (°C)	: No data available
Kst value (bar.m/s)	: 158 bar.m/s Powder
ST class	: 1 Powder
Maximum explosion pressure - 20 l sphere - (bar)	: 7,7 bar Powder
Maximum rate of pressure rise - 20 l sphere - (bar/s)	: 582 bar/s Powder
Volume resistivity (Electric conductivity)	: No data available
Charge relaxation time (s)	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

Light stability	: Light sensitive
Thermal decomposition possible from (°C)	: No data available
Shock sensitivity	: No data available
Pyrophoric properties	: Do not expose particularly sensitive persons at risk
In case of fire, generation of	: No data available

10.3. Possibility of hazardous reactions

Not irritating under the criteria of Directive 67/548/EEC.

10.4. Conditions to avoid

Heat. Moisture.

10.5. Incompatible materials

Iron. Heavy metals. Oxidizing agent.

10.6. Hazardous decomposition products

On exposure to high temperature, may decompose, releasing toxic gases. Sulphur oxides Sulphur oxides Carbon monoxide. carbon dioxide (CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Tannic acid-granular (1401-55-4)	
LD50 oral rat	2260 mg/kg
LD50 oral mouse	5000 mg/kg
Tannic acid (1401-55-4)	
LD50 oral rat	2260 mg/kg

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Skin corrosion/irritation	: Not classified pH: ≈ 3,5 at 20 °C
Serious eye damage/irritation	: Not classified pH: ≈ 3,5 at 20 °C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Mutagenicity	: Not mutagenic
Genotoxicity	: Negative
Carcinogenicity	: No
Reproductive toxicity	: No
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Tannic acid-granular (1401-55-4)

Persistence and degradability	No data available.
Chemical oxygen demand (COD)	No data available
Biodegradation	No data available
Hydrolysis	No data available

Tannic acid (1401-55-4)

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Tannic acid-granular (1401-55-4)

Bioaccumulative potential	No data available.
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Tannic acid (1401-55-4)

Log Pow	No data available
Bioaccumulative potential	No data available.

12.4. Mobility in soil

Tannic acid-granular (1401-55-4)

Log Koc	No data available
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the environment.

SECTION 14: Transport information

The product is transported in UN-certified packaging: a double PE bag, packed in a fibredrum (1G/X../S), Not regulated.

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN)	: No
Not subject to ADN	: No

- Rail transport

Carriage prohibited (RID)	: No
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Tannic acid-granular is not on the REACH Candidate List

Contains no substance on the REACH candidate list

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Tannic acid-granular is not on the REACH Annex XIV List

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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