

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

1.1. Product identifier

Product form	: Substance
Substance name	: Tannic acid
EC-No.	: 215-753-2
CAS-No.	: 1401-55-4
Product code	: L005
Synonyms	: ALSOK / BREWTAN / FLOCTAN / TANAL / TANEX / TEXTAN / OmniSavis A, P, T

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. Food/feedstuff additives
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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 specialities N.V.
Cooppallaan 91
9230 Wetteren
Belgium
T +32 (0)9 365 33 33, F +32 (0)9 369 82 64
Milieu_Veiligheid@Omnicheem.be

1.4. Emergency telephone number

Emergency number	: +32 (0)9 365 33 33 8h - 12h & 13h - 17h CET/CEST
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : No ecotoxicological data about this product are known.

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components

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3.1. Substances

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

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

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Consult a physician after significant exposure. (company physician: 0474/49 86 53).
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.

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.

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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

6.2. 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 : Avoid high temperatures. 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) or cardboard box.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1 National occupational exposure and biological limit values**

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

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

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8.1.5. Control banding

No additional information available

8.2. Exposure controls**8.2.1. Appropriate engineering 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.

8.2.2. Personal protection equipment**8.2.2.1. Eye and face protection**

No additional information available

8.2.2.2. Skin protection**Skin and body protection (SDS):**

Wear a coverall type 5, specific for manipulation of solids (cfr. ISO 13982-1) if needed.

Hand protection (SDS):

Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

8.2.2.3. Respiratory protection**Respiratory protection (SDS):**

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Colour	: Beige.
Molecular mass	: Not applicable
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: $\approx 200\text{ }^{\circ}\text{C}$ Decomposes before melting
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: No data available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: $198\text{ }^{\circ}\text{C}$
Auto-ignition temperature	: $470\text{ }^{\circ}\text{C}$
Decomposition temperature	: $> 210\text{ }^{\circ}\text{C}$
pH	: $\approx 3,5$ at $20\text{ }^{\circ}\text{C}$
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Solubility	: Ethanol: Soluble in ethanol Acetone: Soluble in acetone
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not applicable
Vapour pressure at 50°C	: Not available
Density	: $0,3 - 0,5\text{ g/cm}^3$
Relative density	: Not available
Relative vapour density at 20°C	: No data available

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Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

No additional information available

9.2.2. Other safety characteristics

Minimum ignition energy : 300 mJ

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

Chemical stability	The product is stable at normal handling and storage conditions.
Light stability	: Light sensitive
Thermal decomposition possible from (°C)	: No data available
Pyrophoric properties	: Do not expose particularly sensitive persons at risk
In case of fire, generation of	: No data available
Additional information	: 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.
Additional information: No data available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Tannic acid (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
LD50 oral mouse	5000 mg/kg

Tannic acid

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Tannic acid (1401-55-4)	
ATE CLP (oral)	2260 mg/kg bodyweight

Skin corrosion/irritation : Not classified
pH: $\approx 3,5$ at 20 °C

Tannic acid (1401-55-4)	
pH	2,5 – 4 (1 % m/V)

Serious eye damage/irritation : Not classified
pH: $\approx 3,5$ at 20 °C

Tannic acid (1401-55-4)	
pH	2,5 – 4 (1 % m/V)

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Mutagenicity : Not mutagenic
Genotoxicity : Negative
Carcinogenicity : No
Reproductive toxicity : No
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Tannic acid (1401-55-4)	
LC50 (96h) fish	No data available

12.2. Persistence and degradability

Tannic acid (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.

12.3. Bioaccumulative potential

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

Tannic acid (1401-55-4)	
Partition coefficient n-octanol/water (Log Pow)	No data available

Tannic acid

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

12.4. Mobility in soil

Tannic acid (1401-55-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	No data available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging 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

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

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Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

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****REACH Annex XVII (Restriction List)**

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations**Germany**

Water hazard class (WGK)	: WGK 1, Slightly hazardous to water.
Major Accidents Ordinance (12. BImSchV)	: Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

No additional information available

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SDS EU (REACH Annex II) (OmniChem) - New

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