

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: TANNIC ACID

CAS number: 1401-55-4

EINECS number: 215-753-2

Product code: TANNA

Synonyms: POLYGALLOYLESTERS OF GLUCOSE -
TANAL 02

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

Use of substance / mixture: Beverage Processing Aids and Other Usages

1.3. Details of the supplier of the safety data sheet

Company name: Murphy and Son Ltd
Murphy & Son Ltd
Alpine St, Old Basford
Nottingham
NG6 0HQ
United Kingdom

Tel: (+44) 115 978 5494

Email: technical@murphyandson.co.uk

1.4. Emergency telephone number

Emergency tel: (+44) 115 978 5494
(office hours only)

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

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3.1. Substances

Chemical identity: TANNIC ACID

CAS number: 1401-55-4

EINECS number: 215-753-2

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Obtain medical attention if ill effect or irritation develops

Eye contact: Bathe the eye with running water for 15 minutes. Obtain medical attention if pain, blinking, tears or redness persist.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Seek medical attention if ill effect develops

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty and / or other complaints appear

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

Skin contact: Not applicable.

Eye contact: Not applicable.

Ingestion: Not expected to present a significant acute inhalation hazard under anticipated conditions of normal use

Inhalation: Not expected to present a significant acute inhalation hazard under anticipated conditions of normal use

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: All extinguishing media can be used

5.2. Special hazards arising from the substance or mixture

Exposure hazards: May form flammable / explosive dust-air mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not create dust. Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. No naked lights Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: May be stored at ambient temperature. Protect from low temperatures Protect from high temperatures Store in dry, well-ventilated area. Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep away from sources of ignition.

Suitable packaging: This product is stored in UN certified packaging.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory protection: No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³ Full face mask respirators with replaceable filter cartridges should comply with European standard EN136.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder

Colour: Beige

Odour: Perceptible odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Highly soluble

Also soluble in: Ethanol. Acetone. Methanol.

Viscosity: No data available.

Boiling point/range°C: No data available.

Melting point/range°C: 200C

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: 198

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: 470C

Vapour pressure: No data available.

Relative density: 0.3-0.5g/cm³

pH: 3.5

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not applicable.

10.4. Conditions to avoid

Conditions to avoid: Heat. Moisture Light.

10.5. Incompatible materials

Materials to avoid: Metals. Iron. Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: On exposure to high temperature, may decompose, releasing toxic gases. In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of carbon monoxide.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	2260	mg/kg
ORAL	MUS	LD50	5000	mg/kg

Symptoms / routes of exposure

Skin contact: Not applicable.

Eye contact: Not applicable.

Ingestion: Not expected to present a significant acute inhalation hazard under anticipated conditions of normal use

Inhalation: Not expected to present a significant acute inhalation hazard under anticipated conditions of normal use

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	100	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Dispose in a safe manner in accordance with local/national regulations. Avoid release into the environment

Disposal of packaging: Dispose of as normal industrial waste.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Legend to abbreviations: PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

LDLO = lethal dose low

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

IPR = intraperitoneal

SCU = subcutaneous

ORL = oral

SKN = skin

[cont...]

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DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.