

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006***TANNIC ACID**

Version 2.0

Print Date 2012/05/25

Revision Date 2012/05/25

MSDS code: MTAN011**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : TANNIC ACID
Substance name : Tannins
CAS-No. : 1401-55-4
EC-No. : 215-753-2

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
Albion House, Rawdon Park
GB LS19 7XX Leeds Yeadon
Telephone : 0113 3879 200
Telefax : 0113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
01865 407333 (N.C.E.C. Culham)

2. Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Not a dangerous substance according to GHS.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

67/548/EEC

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

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MSDS code: MTAN011**Most important adverse effects**

- Human Health : See section 11 for toxicological information.
- Physical and chemical hazards : See section 9 for physicochemical information.
- Potential environmental effects : See section 12 for environmental information.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

Not a dangerous substance according to GHS.

Other labelling information:

- Further information : Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients**3.1. Substances**

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Non-hazardous component

Chemical Name	Identification Number	Amount [%]
Tannins	CAS-No. : 1401-55-4 EC-No. : 215-753-2	<= 100

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- If inhaled : Remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Get medical attention if symptoms occur.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
- If swallowed : Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

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

- Symptoms : See Section 11 for more detailed information on health effects and symptoms.
- Effects : See Section 11 for more detailed information on health effects and symptoms.

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

- Treatment : Treat symptomatically.
No further information available.

5. Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Under fire conditions: Carbon monoxide, Carbon dioxide (CO₂)

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- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Dust may form explosive mixture in air. Cool closed containers exposed to fire with water spray.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Use personal protective equipment. For personal protection see section 8. Avoid dust formation. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

- Methods and materials for containment and cleaning up : Use mechanical handling equipment. Sweep up and shovel. Keep in suitable, closed containers for disposal. Knock down dust with water spray jet.
- Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

- For personal protection see section 8.

7. Handling and storage**7.1. Precautions for safe handling**

- Advice on safe handling : Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practice. Keep away from fire (No Smoking). Ensure adequate ventilation. Do not breathe vapours/dust. Avoid dust formation.
- Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking,

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eating and drinking should be prohibited in the application area.
Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. Avoid dust formation. Dust may form explosive mixture in air.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep away from heat. Protect from frost. Keep in a well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection**8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional) Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls**Appropriate engineering controls**

Refer to protective measures listed in sections 7 and 8.

Ensure adequate ventilation.

Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Personal protective equipment*Respiratory protection*

Advice : Required if dust is released
Dust-mask

Hand protection

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Advice : Protective gloves complying with EN 374.

Eye protection

Advice : Safety goggles

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

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

Form	:	powder
Colour	:	light yellow
Odour	:	Currently we do not have any information from our supplier about this.
Odour Threshold	:	Currently we do not have any information from our supplier about this.
pH	:	2.5 - 4 (10 g/l)
Melting point/range	:	200 °C
Boiling point	:	Currently we do not have any information from our supplier about this.
Flash point	:	Currently we do not have any information from our supplier about this.
Evaporation rate	:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	:	Currently we do not have any information from our supplier about this.

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Upper explosion limit	:	Currently we do not have any information from our supplier about this.
Lower explosion limit	:	Currently we do not have any information from our supplier about this.
Vapour pressure	:	Currently we do not have any information from our supplier about this.
Relative vapour density	:	Currently we do not have any information from our supplier about this.
Density	:	0.3 - 0.5 g/cm ³
Water solubility	:	soluble
Solubility in other solvents	:	(Ethanol) soluble (Acetone) soluble
Partition coefficient: n-octanol/water	:	Currently we do not have any information from our supplier about this.
Ignition temperature	:	470 °C
Thermal decomposition	:	Currently we do not have any information from our supplier about this.
Viscosity, dynamic	:	Currently we do not have any information from our supplier about this.
Explosivity	:	Currently we do not have any information from our supplier about this.
Oxidizing properties	:	Currently we do not have any information from our supplier about this.

9.2. Other information

No further information available.

10. Stability and reactivity

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Advice : No information available.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4. Conditions to avoid

Conditions to avoid : Avoid moisture.Heat, flames and sparks.

10.5. Incompatible materials

Materials to avoid : No information available.

10.6. Hazardous decomposition productsHazardous decomposition products : Carbon dioxide (CO₂), Carbon monoxide**11. Toxicological information****11.1. Information on toxicological effects****Acute toxicity****Oral**

Currently we do not have any information from our supplier about this.

Inhalation

Currently we do not have any information from our supplier about this.

Dermal

Currently we do not have any information from our supplier about this.

Irritation

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Skin

Currently we do not have any information from our supplier about this.

Eyes

Currently we do not have any information from our supplier about this.

Sensitisation

Currently we do not have any information from our supplier about this.

CMR effects

CMR Properties

- Carcinogenicity : Currently we do not have any information from our supplier about this.
- Mutagenicity : Currently we do not have any information from our supplier about this.
- Teratogenicity : Currently we do not have any information from our supplier about this.
- Reproductive toxicity : Currently we do not have any information from our supplier about this.

Specific Target Organ Toxicity

Single exposure

Currently we do not have any information from our supplier about this.

Repeated exposure

Currently we do not have any information from our supplier about this.

Aspiration toxicity

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Currently we do not have any information from our supplier about this.

Further information

Other relevant toxicity information : Handle in accordance with good industrial hygiene and safety practice.

Experience with human exposure : Health injuries are not known or expected under normal use.

Component: Tannins**CAS-No.
1401-55-4****Acute toxicity****Oral**

LD50 : 2300 mg/kg (rat)

12. Ecological information**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

13. Disposal considerations

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13.1. Waste treatment methods

- Product : Dispose of in accordance with local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Contaminated packaging : Dispose of as unused product.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport information

Not dangerous goods for ADR, RID and IMDG.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

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15. Regulatory information

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

15.2. Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Further information

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.