



MSDS Ref: **TTS2**

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Triton TT Swellmastic S2 Hydrophillic waterstop and adhesive

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

1.1. Product Identifier

Product Name: Triton TT Swellmastic S2

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

Identified uses: Hydrophillic sealant and adhesive

1.3. Details of the supplier of the safety data sheet

Supplier: Triton Systems
Units 3 – 5 Crayford Commercial Centre
Greyhound Way, Crayford, Kent DA1 4HF
Tel: 01322 318 830
Fax: 01322 524 017
Email: info@tritonsystems.co.uk

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards: Not Classified
Health hazards: Skin Sens. 1 – H317 Carc. 2 – H351
Environmental hazards: Aquatic Chronic 3 – H412

2.2. Label elements

Pictogram



Signal word: Warning

Hazard statements: H351 Suspected of causing cancer.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements: P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.

Supplemental label information: EUH204 Contains isocyanates. May produce an allergic reaction.

Contains: SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; KEROSENE – UNSPECIFIED, URETHANE Bis OXAZOLIDONE, 1,3-Bis(1-Isocyanato-1-methylethyl)benzene

Supplementary precautionary statements:

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing vapour/spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P321 Specific treatment (see medical advice on this label).
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3: Composition/information on ingredients

3.2. Mixtures

HYDRATED MAGNESIUM SILICATE (TALC)		10-30%
CAS number: 14807-96-6 EC number: 238-877-9		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Not Classified	–	
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; KEROSENE – UNSPECIFIED		5-10%
CAS number: 64742-94-5 EC number: 265-198-5		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Carc. 2 – H351 STOT SE 3 – H336 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411	Xn;R65	
URETHANE Bis OXAZOLIDONE		1-5%
CAS number: 140921-24-0 EC number: 411-700-4		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Sens. 1 – H317	R43	
TITANIUM DIOXIDE		1-5%
CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-2119489379-17-0000		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Not Classified	–	
1,3-BIS(1-ISOCYANATO-1-METHYLETHYL)BENZENE		<1%
CAS number: 2778-42-9 EC number: 220-474-4 M factor (Chronic) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 2 – H330 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 STOT RE 1 – H372 Aquatic Chronic 1 – H410	T;R23. Xi;R38. N;R50/53. R43.	
METHANOL		<1%
CAS number: 67-56-1 EC number: 200-659-6		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 – H225 Acute Tox. 3 – H301 Acute Tox. 3 – H311 Acute Tox. 3 – H331 STOT SE 1 – H370	F;R11 T;R23/24/25,R39/23/24/25	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16. Application instructions

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion:	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact:	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact:	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation:	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion:	May cause discomfort if swallowed.
Skin contact:	May cause sensitisation by skin contact.
Eye contact:	Irritation of eyes and mucous membranes.

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

Notes for the doctor:	No specific recommendations. If in doubt, get medical attention promptly.
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Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards:	The product is non-combustible. Irritating gases or vapours. No unusual fire or explosion hazards noted.
Hazardous combustion products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting:	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
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6.4. Reference to other sections

Reference to other sections The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.

Section 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: For professional users only. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class: Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HYDRATED MAGNESIUM SILICATE (TALC)

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m³(Sk)

WEL = Workplace Exposure Limit

TITANIUM DIOXIDE (CAS: 13463-67-7)

DNEL Industry – Inhalation; Long term : 10 mg/m³
Consumer – Oral; Long term : 700 mg/kg/day

PNEC - Fresh water; >1 mg/l
- Marine water; 0.127 mg/l
- Soil; 100 mg/kg
- STP; 100 mg/kg

AMINOPROPYLTRIMETHOXYSILANE (CAS: 13822-56-5)

DNEL Workers – Dermal; Short term systemic effects: 8.3 mg/kg/day
Workers – Dermal; Long term systemic effects: 8.3 mg/kg/day
Workers – Inhalation; Short term systemic effects: 58 mg/m³
Workers – Inhalation; Long term systemic effects: 58 mg/m³

PNEC - Fresh water; 0.33 mg/l
- Marine water; 0.033 mg/l
- Intermittent release; 3.3 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls:

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection:

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile rubber. Neoprene. Rubber (natural, latex).
Other skin and body protection:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures:	Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection:	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Paste.
Colour:	Grey.
Odour:	Slight / faint.
Odour threshold:	Not determined.
pH:	Not applicable.
Melting point:	Not determined.
Initial boiling point and range:	Not determined.
Flash point:	> 65°C CC (Closed cup).
Evaporation rate:	Not determined.
Evaporation factor:	Not determined.
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits:	Not determined.
Other flammability:	Not determined.
Vapour pressure:	Not determined.
Relative density:	1.0 – 1.1 @ 20°C
Bulk density:	Not applicable.
Solubility(ies):	Insoluble.
Partition coefficient:	Not applicable.
Decomposition Temperature:	Not determined.
Explosive properties:	Not considered to be explosive.
Explosive under the influence of a flame:	Not considered to be explosive.
Oxidising properties:	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information:	Not available.
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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability:	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions:	Not determined. May polymerise.
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10.4. Conditions to avoid

Conditions to avoid:	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid: Strong acids. Strong alkalis. Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity – inhalation

ATE inhalation (gases ppm): 29,456.82

ATE inhalation (vapours mg/l): 147.28

ATE inhalation (dusts/mists mg/l): 14.73

Inhalation: Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion: May cause discomfort if swallowed.

Skin contact: May cause sensitisation by skin contact.

Eye contact: Irritating to eyes.

Section 12: Ecological Information

Ecotoxicity: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Acute toxicity – fish: Not determined.

Acute toxicity – aquatic invertebrates: Not determined.

Acute toxicity – aquatic plants: Not determined.

Ecological information on ingredients.

1,3-Bis(1-Isocyanato-1-methylethyl)benzene

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Partition coefficient: Not applicable.

12.4. Mobility in soil

Mobility: The product is immiscible with water and will sediment in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment: This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects: None known.

Section 13: Disposal considerations

13.1. Waste treatment methods

General information: Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

Section 14: Transport information

General: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number:

Not applicable.

14.2. UN proper shipping name:

Not applicable.

14.3. Transport hazard class(es):

No transport warning sign required.

ADR/RID subsidiary risk

IMDG subsidiary risk

ICAO subsidiary risk

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous

substance/marine pollutant: No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

National regulations: The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EU legislation: Commission Regulation (EU) No 453/2010 of 20 May 2010.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance: Workplace Exposure Limits EH40.

Respiratory protective equipment at work (HSG53).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H331 Toxic if inhaled. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H370 Causes damage to organs . H372 Causes damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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