

Date of issue: 18/10/2018

Triton TTME

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 — Product identifier

Product name TTME

Synonyms 001

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

Recommended use Sealing cement**Product category** PC10 – Building and construction mixtures not covered elsewhere

1.3 Details of the supplier of the safety data sheet

Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way

Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

Info@tritonsystems.co.uk - www.tritonsystems.co.uk

1.4 Emergency telephone number

Emergency number: +44 (0) 1322 318830 (0900 – 1700 UK time)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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

No need for classification according to GHS criteria for this product.

2.2 Label Elements:

Globally Harmonized System (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

Labelling of special preparations (GHS):

EUHL208: May product allergic reaction. Contains: MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE(3:1), 2-METHYL-2H-ISOTHIAZOL-3-ONE, 1,2-BENZISOTHIAZOL-3(2H)-ONE

2.3 Other hazards:

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

3. COMPOSITION /INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature

Aqueous dispersion of a polymer based on: acrylic ester, styrene

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

Remove contaminated clothing.

Keep patient calm, remove to fresh air, seek medical attention.

Skin contact

Wash thoroughly with soap and water.

Eye contact

immediately wash affected eyes for at least 15 minutes under running water with eyelids open, consult an eye specialist.

Ingestion

Rinse mouth immediately and then drink plenty of water, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No significant symptoms are expected due to the non-classification of the product
Hazards	No hazards anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Symptomatic treatment (Decontamination, vital functions).
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5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Water spray, dry powder, foam, carbon dioxide
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5.2 Special hazards arising from the substance or mixture

No particular hazards known.

5.3 Advice for fire-fighters

Special protective equipment:	No data available.
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Further information:	Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.
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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective clothing. Avoid contact with skin and eyes.
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6.2 Environmental precautions

Do not release untreated into natural waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	For small amounts: Pick up with suitable absorbent material (e.g., sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product.
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6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. After long storage, slight quantities of carbon monoxide may be formed. To our best knowledge, the occupational exposure limit (OEL) is not exceeded during use. Entering of tanks must only be performed after intensive cleaning and when it is ensured that residual vapours have been removed. Consideration of national laws and international standard for confined space entry should be taken into account. In case of doubt, the concentration of Carbon monoxide must be determined.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Store protected against freezing.
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7.3 Specific end use(s)

For the relevant identified uses(s) listed in Section 1 the advice mentioned in this Section 7 is to be observed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<u>Components with occupational exposure limits</u>	None
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8.2 Exposure controls

Personal protective equipment**Hand Protection**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye/Face Protection

Safety glasses with side-shields (frame goggles) (e.g., EN 166)

General Safety and Hygiene Measures

Hands and / or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state:	Liquid, dispersion	
Colour:	White	
Odour:	Faint Odour	
Odour threshold:	No data available	
pH	5.5 – 7.5	(DIN ISO 976)
melting/freezing point	0°C	
Boiling point/boiling range	100°C	
Flash point		Not applicable
Evaporation rate		Not applicable
Flammability		Not flammable
Lower explosion limit		Not applicable
Upper explosion limit		Not applicable
Water Vapour pressure	23.4 hPa (20° C)	Literature data
Density	1.030 – 1.060 g/cm ³ (20° C)	(ISO 2811-1)
Relative density:		No data available
Relative vapour density (air)		Not applicable
Solubility in water	partly soluble (15° C)	
Partitioning coefficient n-octanol/water (log Kow)		Not applicable
Self-ignition		Not self-igniting
Thermal decomposition		No decomposition if used correctly
Viscosity, dynamic	50 – 250 mPa.s (23° C, 250 1/s)	(DIN EN ISO 3219)
Fire promoting properties		Not fire-propogating!

9.2 Other information

Miscibility with water:	Miscible	
Solids content	56.0 – 58.0 %	(DIN EN ISO 3251)
Other information		
Range of particle size	< 0, 1 µm – 10 µm	

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed.

10.4 Conditions to avoid

Avoid extreme temperatures.

10.5 Incompatible materials**Substances to avoid**

Not substances known that should be avoided.

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute Toxicity

Assessment of acute toxicity Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data LD50 rat (oral): >2,000 – 10,000 mg/kg

Irritation

Assessment of irritating effects If the product adheres to skin, irritation may occur when it dries. Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental / calculated data Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)
Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization Skin sanitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Germ cell mutagenicity

Assessment of mutagenicity The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity Not expected to cause reproductive toxicity (based on composition).

Development toxicity

Assessment of teratogenicity The data available for an assessment of the effect of the substance on development toxicity are not sufficient for a proper evaluation.

Specific target organ toxicity (Single Exposure)

Assessment of STOT single Based on the available information there is not specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity No adverse effects were observed after repeated inhalative exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard

Not applicable

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants EC50 (72 h) > 100mg/l, Scenedesmus subspicatus (OECD Guideline 201) Nominal concentration.

Microorganisms/ Effect on activated sludge

EC20 (0.5 h) > 100mg/l, activated sludge, domestic (DIN EN ISO 8192-OECD 209-88/302/EEC,P.C)

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

12.2 Persistence and degradability**Assessment biodegradation and elimination (H2O)**

The product can be virtually eliminated from water by abiotic processes e.g., adsorption onto activated sludge.

Elimination information

> 70% DOC reduction (OECD 302B; ISO 9888; 88/302/EEC,part C) Easily eliminated from water.

12.3 Bioaccumulative potential**Bioaccumulative potential**

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

12.4 Mobility in soil**Assessment transport between environmental compartments****Volatility**

No data available.

12.5 Results of PBT and vPvB assessment

According to Regulation (EC) No. 453/2010: The product does not fulfil the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6 Other adverse effects

No data available.

12.7 Additional information**Absorbable organically-bound halogen (AOX)**

No data available.

Other ecotoxicological advice

Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.

Ecological data are determined by analogy.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Must be sent to a suitable incineration plant, observing local regulations.

A waste code in accordance with a European waste catalogue (EWC) cannot be specified, due to dependence on the usage.
Observe national and local legal requirements.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

14. TRANSPORT INFORMATION**Land transport****ADR**

Not classified as a dangerous good under transport regulations.

UN Number:

Not applicable

UN Proper shipping name

Not applicable

Transport Hazard class(es)

Not applicable

Packing Group

Not applicable

Environmental hazards

Not applicable

Special precautions for user

None known

RID

Not classified as a dangerous good under transport regulations.

UN Number:

Not applicable

UN Proper shipping name

Not applicable

Transport Hazard class(es)	Not applicable
Packing Group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	None known

Inland waterway transport**ADN**

	Not classified as a dangerous good under transport regulations.
UN Number:	Not applicable
UN Proper shipping name	Not applicable
Transport Hazard class(es)	Not applicable
Packing Group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	None known

Transport in inland waterway vessel

Not evaluated

Sea transport**IMDG**

	Not classified as a dangerous good under transport regulations.
UN Number:	Not applicable
UN Proper shipping name	Not applicable
Transport Hazard class(es)	Not applicable
Packing Group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	None known

IATA/ICAO

	Not classified as a dangerous good under transport regulations.
UN Number:	Not applicable
UN Proper shipping name	Not applicable
Transport Hazard class(es)	Not applicable
Packing Group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	None known

14.1 UN Number

See corresponding entries for "UN Number" for the respective regulations in the tables above.

14.2 UN proper shipping name

See corresponding entries for "UN Proper Shipping Name" for the respective regulations in the tables above.

14.3 Transport hazard class(es)

See corresponding entries for "Transport Hazard Class(es)" for the respective regulations in the tables above.

14.4 Packing group

See corresponding entries for "Packing Group" for the respective regulations in the tables above.

14.5 Environmental hazards

See corresponding entries for "Environmental Hazards" for the respective regulations in the tables above.

14.6 Special precautions for user

See corresponding entries for "Special Precautions for User" for the respective regulations in the tables above.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation	Not evaluated
Shipment approved	Not evaluated
Pollution name	Not evaluated
Pollution category	Not evaluated
Ship Type	Not evaluated

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).



15.2 Chemical safety assessment

Chemical Safety Assessment not required

16. OTHER INFORMATION

Any other intended applications should be discussed with the manufacturer.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.