

Date of issue: 18/10/2018

# Triton TT SUPER

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

### 1.1 Product identifier

Product name TT SUPER  
Product Number 100063423 - 44

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

Identified uses Concrete Waterproofer by Crystallisation

### 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](mailto:info@tritonsystems.co.uk) - [www.tritonsystems.co.uk](http://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

#### Classification

Physical hazards Not Classified  
Health hazards Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317 STOT SE 3 – H335  
Environmental hazards Not classified

### 2.2 Label Elements:

#### Pictogram (CLP)



#### Signal word (CLP)

Danger

#### Hazard statements: (CLP)

H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H318: Causes serious eye damage  
H335: May cause respiratory irritation

#### Precautionary statements:

P261: Avoid breathing vapour/spray.  
P264: Wash contaminated skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTRE or doctor/physician.  
P312: Call a POISON CENTRE or doctor if you feel unwell.  
P321: Specific treatment (see medical advice on this label).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with national regulations.

**Contains** Portland Cement, Tartaric Acid

**2.3 Other hazards:** No information available

### 3. COMPOSITION & INFORMATION ON INGREDIENTS

#### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

#### 3.2 Mixtures

**Chemical nature** Mixture of cement, quartz sand and additives.

Chemical Name	EC-No	CAS-No	%	Classification (1272/2008/EC)
PORTLAND CEMENT Cr+VI<2ppm	266-043-4	65997-15-1	30-60	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1(H317)
SODIUM CARBONATE	207-838-8	497-19-8	5-10	Eye Irrit. 2 – H319
TARTARIC ACID		133-37-9	1-5	Eye Dam. 1 – H318

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

### 4. FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

**General advice**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Treat symptomatically.

**Inhalation**

IF INHALED: Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting.

**Skin contact**

IF ON SKIN (or hair): Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists after washing. Remove contaminated clothing,

**Eye contact**

IF IN EYES: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

**Ingestion**

IF SWALLOWED: Get medical attention immediately. If throat irritation or coughing persists, proceed as follows. Rinse mouth thoroughly with water. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Stop if the affected person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

**Protection of First-aiders**

First aid personnel should wear appropriate protective equipment during any rescue.

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

**General Information**

Treat symptomatically. See Section 11 for additional information on health hazards.

**Inhalation**

Irritating.

**Ingestion**

May cause stomach pain or vomiting. May cause irritation. Gastrointestinal symptoms, including upset stomach.

**Skin Contact**

May cause skin irritation.

**Eye Contact**

Causes skin and eye irritation.

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

**Notes for the doctor**

Treat symptomatically.

**Specific treatments**

Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

### 5.2 Special hazards arising from the substance or mixture

**Specific hazards** The product is not flammable.

**Hazardous combustion products** None known.

### 5.3 Advice for fire-fighters

**Protective actions during firefighting** No action shall be taken without appropriate training or involving any personal risk. Evacuate area.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Avoid contact with skin, eyes and clothing. Follow precautions for safe handling describes in this safety data sheet. Avoid inhalation of dust.

### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up** If leakage cannot be stopped evacuate the area. Move containers from spillage area. Large spillages: collect and place in suitable waste disposal containers and seal securely. Absorb small quantities with paper towels and evaporate in a safe place. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar.

### 6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13. See section 11 for additional information on health hazards. See section 12 for additional information on ecological hazards.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Usage precautions** For professional users only. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated. Protect from moisture. Keep container dry. Container must be kept tightly closed when not in use. Do not eat, drink or smoke when using this product.

**Advice on general occupational hygiene** When using, do not eat, drink or smoke. Provide eyewash station. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 4°C and 30°C. Keep container tightly closed in a dry and well ventilated place. Do not store near heat sources or expose to high temperatures. Store away from acids and protect from moisture. Keep out of reach of children.

**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure Limit

##### Portland Cement

Long-term exposure limit (8 hour TWA): WEL 10mg/m<sup>3</sup> inhalable dust  
Long-term exposure limit (8 hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Silica Sand

Maximum Exposure Limit 0.3mg/m<sup>3</sup>

##### Sodium Carbonate

Long-term exposure limit (8 hour TWA): EH40 (United Kingdom (UK)). 10mg/m<sup>3</sup> total inhalable dust  
Long-term exposure limit (8 hour TWA): EH40 (United Kingdom (UK)). 4mg/m<sup>3</sup> respirable dust

WEL = Workplace Exposure Limit

### 8.2 Exposure controls

#### Personal protective equipment



<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Personal protection</b>	Use protective clothing, hand gloves and goggles.
<b>Eye/Face Protection</b>	Use tightly fitting safety goggles (with side shields). Safety glasses (with side shields) should be consistent with EN 166 or equivalent.
<b>Hand Protection</b>	To protect hands from chemicals gloves should comply with European Standard EN374. It is recommended that gloves are made of nitrile rubber or butyl rubber.
<b>Other skin and body protection</b>	Wear long sleeved clothing to prevent skin contamination. Wear impervious gloves and/or clothing if needed to prevent contact with the material.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Powder
<b>Colour:</b>	Grey
<b>Odour:</b>	Almost odourless
<b>Odour threshold:</b>	Not determined

<b>pH:</b>	Not applicable
<b>Melting point:</b>	Not applicable
<b>Initial boiling point and range:</b>	Not determined
<b>Flash point:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Evaporation factor:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits:</b>	Not applicable
<b>Other flammability:</b>	Not applicable
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	Not applicable
<b>Bulk density:</b>	1290 – 1400 kg/m <sup>3</sup>
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Explosive properties:</b>	Not applicable
<b>Explosive under the influence of a flame:</b>	Not considered to be explosive
<b>Oxidising Properties:</b>	Not applicable

## 9.2 Other information

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reacts with water and moisture in the air.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3 Possibility of hazardous reactions

No potentially hazardous reactions known.

### 10.4 Conditions to avoid

Avoid exposure to high temperatures or direct sunlight. When exposed to air, this product will absorb moisture.

### 10.5 Incompatible materials

Avoid contact with the following materials: strong acids, water, moisture.

### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects.

#### Acute toxicity - oral

Notes (oral LD50) Not available

#### Acute toxicity – dermal

Notes (dermal LD50) No information available

#### Acute toxicity – inhalation

Notes (inhalation LC50) No information available

#### Skin corrosion/irritation

##### Human skin model test

Cement in contact with wet skin may cause thickening, cracking or fissuring of the skin. Prolonged contact in combination with abrasion may cause severe burns.

<b><u>Serious eye damage/irritation</u></b>	Direct contact with product may cause corneal damage by immediate or delayed irritation or inflammation. Direct contact by larger amounts of dry product or splashes of wet product may cause from moderate eye irritation to chemical burns and blindness.
<b><u>Respiratory sensitisation</u></b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	Some individuals may develop eczema upon exposure to wet cement dust caused either by the high pH which induces irritant contact dermatitis after prolonged contact or by an immunological reaction to soluble Cr (VI) which elicits allergic contact dermatitis.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity – in vitro</b>	Based on available data the classification criteria is not met.
<b>Genotoxicity – in vivo</b>	Based on available data the classification criteria is not met.
<b><u>Carcinogenicity</u></b>	Based on available data the classification criteria is not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity – fertility</b>	Based on available data the classification criteria is not met.
<b><u>Specific target organ toxicity – repeated exposure</u></b>	
<b>STOT – repeated exposure</b>	Based on available data the classification criteria is not met.

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## 12. ECOLOGICAL INFORMATION

### **12.1 Toxicity**

The product is not hazardous to the environment. Ecotoxicological tests with Portland cement on *Daphnia magna* and *Selenastrum coli* have shown little toxicological impact. Therefore LC50 and EC50 values could not be determined. There is no indication of sediment phase toxicity. The addition of large amounts of cement to water may, however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.

### **12.2 Persistence and degradability**

There is no data available on the mixture itself.

### **12.3 Bioaccumulative potential** **Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **Partition coefficient**

Not determined.

### **12.4 Mobility in soil** **Mobility**

The product hardens to a solid, immobile substance.

### **12.5 Results of PBT and vPvB assessment**

### **12.6 Other adverse effects**

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## 13. DISPOSAL CONSIDERATIONS

### **13.1 Waste treatment methods**

#### **General information**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste should be treated as controlled waste.

#### **Disposal methods**

Dispose of contents/container in accordance with national regulations. Waste should be treated as controlled waste.

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## 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 sin required.

**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 Not applicable

Annex II of MARPOL73/78

And the IBC Code

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

Control of Substances Hazardous to Health Regulations 2002(as amended).  
EH40/2005 Workplace exposure limits.  
Health and Safety at Work etc. Act 1974 (as amended).  
The chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.  
Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).  
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.

**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions on use are known for this product.

**15.2 Chemical safety assessment****Inventories****EU – EINECS/ELINCS**

All the ingredients are listed or exempt.

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**16. OTHER INFORMATION****General information**

Only trained personnel should use this material.

**Revision date**

08/07/2015

**Revision**

1

**SDS Number**

4800

**Hazard statements in full**

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

*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.*

