



IRRITANT

MSDS Ref:  
TR 312

**Triton Systems**  
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Publication date  
05/09/2007

Revision date  
13/05/2015

1. PRODUCT NAME:

**TRITON TT55 Tanking Slurry**

2. HAZARD IDENTIFICATION



IRRITANT

Irritating to the skin.  
Risk of serious damage to eyes.  
May cause sensitisation by skin contact.

3. COMPOSITION

HAZARDOUS INGREDIENT  
Ordinary Portland Cement

| CAS No.    | EC No. | Weight % | Symbols       | Risk Phrases   |
|------------|--------|----------|---------------|----------------|
| 65997-15-1 |        | 53       | Xi (Irritant) | See section 15 |

Also contains silica flour, silica sand and other additives.

4. FIRST AID

|                    |   |
|--------------------|---|
| CONTACT WITH SKIN: | Wash off with plenty of soap and water. Remove contaminated clothing.                   |
| CONTACT WITH EYES: | Wash out with water for at least 15 minutes and seek medical advice without delay.      |
| INGESTION:         | Wash out mouth with water and give plenty of water to drink.<br>DO NOT INDUCE VOMITING. |
| INHALATION:        | Remove to fresh air. If nose or airways become inflamed, seek medical advice.           |
| OTHER INFORMATION: | Until the mixture has set, may cause both irritant and allergic contact dermatitis.     |

5. FIRE-FIGHTING MEASURES

|                               |                                     |
|-------------------------------|-------------------------------------|
| SUITABLE EXTINGUISHING MEDIA: | As appropriate to surrounding fire. |
| SPECIAL PROTECTIVE EQUIPMENT: | No particular requirements.         |

6. ACCIDENTAL RELEASE MEASURES

|                            |  |
|----------------------------|--|
| PERSONAL PRECAUTIONS:      | Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations. |
| ENVIRONMENTAL PRECAUTIONS: | Contain the spillage and keep children away from the area.   |
| CLEAN-UP PROCEDURES:       | Recover the spilt material in a dry state if possible.<br>Minimise generation of airborne dust.  |

## 7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.

STORAGE INFORMATION: Keep containers tightly closed in a cool place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not wear contaminated clothing.

EXPOSURE LIMITS Occupational exposure standard (8h TWA):  
10mg/m<sup>3</sup> total inhalable dust, 5mg/m<sup>3</sup> respirable dust

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                 |
|--------------------------|-----------------|
| Appearance               | Grey Powder     |
| Odour                    | None            |
| pH                       | 11, when wet    |
| Boiling Point            | Not Relevant    |
| Melting Point            | Not Relevant    |
| Flash Point              | None            |
| Autoignition temperature | Not Combustible |
| Explosive Properties:    | None            |

|                       |                                |
|-----------------------|--------------------------------|
| Oxidising Properties  | None                           |
| Vapour Pressure       | Not relevant                   |
| Relative density      | Not relevant                   |
| Bulk density          | 1300 kg/m <sup>3</sup>         |
| Viscosity             | Not relevant                   |
| Solubility            | Very slightly soluble in water |
| Partition Coefficient | Not relevant                   |
| Other data            |                                |

## 10. STABILITY / REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Damp (degrades product).

MATERIALS TO AVOID: No particular requirements.

## 11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastro intestinal tract.

## 12. ECOLOGICAL INFORMATION

MOBILITY: Not mobile in soil.

DEGRADABILITY: Relatively inert.

ACCUMULATION: No potential for bioaccumulation or biomagnification.

ECOTOXICITY: Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.



### 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.

DISPOSAL OF PACKAGING: Packaging should be treated as for the product, or may be incinerated.

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### 14. TRANSPORT INFORMATION

UN NO. None assigned  
PROPER SHIPPING NAME Portland cement mixture  
ADR/RID Not classified as hazardous  
IMCO Not classified as hazardous  
ICAO/IATA Not classified as hazardous  
PACKING GROUP  
LABEL No hazard label

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### 15. REGULATORY INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION: IRRITATING TO THE SKIN  
RISK OF SERIOUS DAMAGE TO THE EYES  
MAY CAUSE SENSITISATION BY SKIN CONTACT  
DO NOT BREATHE DUST  
AVOID CONTACT WITH THE SKIN

#### READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING, gloves and eye/face protection.

IN CASE OF CONTACT WITH EYES rinse immediately with plenty of water and seek medical advice.

AFTER CONTACT WITH SKIN, wash immediately with plenty of clean water.

KEEP OUT OF REACH OF CHILDREN.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

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### 16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

*Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.*



Not classified  
as Hazardous

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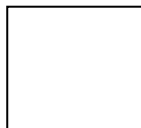
Publication date  
05/09/1997

Revision date  
07/09/2011

## 1. PRODUCT NAME:

# TTME (Triton Tanking Mix Elastifier)

## 2. HAZARD IDENTIFICATION



Not classified as hazardous for supply or transport.

## 3. COMPOSITION

An approximately 50% aqueous dispersion of n-butyl acrylate/styrene copolymer.

## 4. FIRST AID

CONTACT WITH SKIN:

Wash off with plenty of soap and water. Remove contaminated clothing.

CONTACT WITH EYES:

Wash out with water for at least 15 minutes and seek medical advice.

INGESTION:

Wash out mouth with water and give plenty of water to drink. Seek medical advice.

INHALATION:

No adverse effects anticipated by this route of exposure.

OTHER INFORMATION:

## 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

As appropriate to surrounding fire.

SPECIAL PROTECTIVE EQUIPMENT:

No particular requirement.

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection and PVC or synthetic rubber gloves.

ENVIRONMENTAL PRECAUTIONS:

Contain the spillage. Avoid large amounts entering water courses.

CLEAN UP PROCEDURES:

Large spillages should be pumped into containers, soak up remainder with dry sand or earth. Small spillages may be washed down with water, if waste water is disposed of correctly.

## 7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Observe normal industrial hygiene standards.

STORAGE INFORMATION: Keep containers tightly closed in a cool place. Protect from frost.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not wear contaminated clothing.

### EXPOSURE LIMITS

Refer to the current edition of HSE Guidance Note EH40 (Occupational exposure limits). The following may be present in the product: n-butyl acrylate (141-32-2), styrene (100-42-5), ethylbenzene (100-41-4), acrylamide (79-06-1) and formaldehyde (50-00-0).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                     |
|--------------------------|---------------------|
| Appearance               | White Liquid        |
| Odour                    | Faint               |
| PH                       | 8                   |
| Boiling Point            | About 100°C (water) |
| Melting Point            | About 0°C (water)   |
| Flash Point              | None                |
| Autoignition temperature | Not Combustible     |
| Explosive Properties     | None                |

|                       |                     |
|-----------------------|---------------------|
| Oxidising properties  | None                |
| Vapour pressure       | 23 mbar (water)     |
| Relative density      | 1.03 at 20°C        |
| Bulk density          | Not relevant        |
| Viscosity             | 200mPa at 23°C      |
| Solubility            | Miscible with water |
| Partition Coefficient | Miscible with water |
| Other data            |                     |

## 10. STABILITY / REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Frost.

MATERIALS TO AVOID: No particular requirements.

## 11. TOXICOLOGICAL INFORMATION

Not harmful to health if handled correctly according to the given recommendations.

## 12. ECOLOGICAL INFORMATION

MOBILITY: Low mobility in the soil – binds to soil particles.

DEGRADABILITY: Eliminated from water by abiotic processes, eg. Adsorption onto activated sludge.

ACCUMULATION: No potential for bioaccumulation or biomagnification.

ECOTOXICITY: Do not discharge to natural waters without pre-treatment.



### 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: Dispose of in accordance with local and national regulations. (normally by incineration).

DISPOSAL OF PACKAGING: Packaging should be treated as for the product.

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### 14. TRANSPORT INFORMATION

UN NO. None assigned.  
PROPER SHIPPING NAME Aqueous copolymer suspension.  
ADR/RID Not classified as hazardous  
IMCO Not classified as hazardous  
ICAO/IATA Not classified as hazardous  
PACKING GROUP  
LABEL No hazard label

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### 15. REGULATORY INFORMATION

CLASSIFICATION: Not classified as hazardous

LABEL INFORMATION: WEAR GLOVES AND EYE PROTECTION.  
WASH HANDS AND EXPOSED SKIN AFTER USE.

Refer to other relevant legislations such as the Health and Safety at Work etc., Act (HSWA), The Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

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