

# Health & Safety Handling Guide

## Triton TT Swell Mastic



### ( 1 ) PRODUCT IDENTIFICATION

**Trade Name:** Triton TT Swell Mastic.  
**Description:** Hydro Reactive Expansion Sealant.

### ( 2 ) COMPOSITION / INFORMATION ON INGREDIENTS

**Contents:** Polyisocyanate (Prepolymers) of Diphenylmethanediisocyanate & Methylphenylenediisocyanate, fillers and auxiliaries.

**CAS No.** Does not apply (Polymer, without Monomer)  
**EG No.** Does not apply (Polymer, without Monomer)

### ( 3 ) HAZARDS IDENTIFICATION

**Danger Identification:** Xn.

**Special danger directions for people:**  
Harmful to swallow. Irritating to eyes, respiratory organs and the skin.

**Special danger directions for the environment:**  
None.

### ( 4 ) FIRST AID MEASURES

**General Directions:**  
Immediately change product-stained clothes.

**Inhalation:**  
Call a doctor.

**Skin Contact:**  
Remove mechanically, wash immediately with soap and water and rinse well.

**Eye Contact:**  
With the eye-lid open, rinse with running water. Consult a doctor.

**Ingestion:**  
Drink plenty of water. Go in the fresh air. Call a doctor.  
By no means induce vomiting.

### ( 5 ) FIRE FIGHTING MEASURES

**Suitable Extinguisher Media:**  
Carbon dioxide, powder or water jet. In a larger fire, use water spray or foam.

**Special Protective Equipment:**  
Use breathing apparatus with independent air supply essential.

### ( 6 ) ACCIDENTAL RELEASE MEASURES

**Personal Environment:**  
Do not allow in drainage or groundwater.

**Environmental Procedure for cleaning and removal:**  
Remove with liquid-absorbing materials (Kieselguhr, sawdust, oil binder). Place in disposal bins. Do not close-Carbon Dioxide development – Danger of bursting. Leave in a safe place for a number of days. The product reacts with water and sets.

### ( 7 ) HANDLING AND STORAGE

**Directions for rotation:**  
Keep containers dry and closed tightly. Avoid heating over 60°C and cooling under 10°C. Ensure adequate ventilation or extraction of the work place.

**Directions for Fire Protection:**  
Protect from heat. In the event of fire, cool the containers with water.

**Requirements for Storeroom and containers:**  
Store in a cool place.

**Directions for storage with other products:**  
Do not store with oxidising materials.

**Further instructions:**  
Do not store more than 6 months.

**Maximum storage temperature:**  
60°C

### ( 8 ) EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional directions for the use of technical equipment:**  
No further additions to point 7.

#### **Components with workplace exposure limits:**

CAS No.	
<b>Description of material:</b>	Diisocyanate polymers on MDI and TDI basis.
<b>% :</b>	Approx. 22
<b>Form:</b>	Does not apply
<b>Value:</b>	Does not apply
<b>Standard:</b>	Does not apply.
<b>Additional Information:</b>	Basically the slits shown.

**Personnel Protection:**  
In accordance with the specification of the Association for joint working.

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### General Protection and Hygiene:

Keep away from food, drinks, and animal feeds.  
Immediately change cloths soiled by the product.  
Wash hands before meals and at the end of work.

### Breathing Protection:

Not necessary for general use.

### Hand Protection:

Protective gloves.

### Eye Protection:

Safety Glasses.

### Body Protection:

Protective clothing.

### ( 9 ) PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Non-flowing paste
<b>Colour</b>	Red, brown, blue or black.
<b>Odour</b>	Typically faint.

### Change of state

### Melting Zone

### Boling Zone

**Density** approx. 1.3g/ml at 20°C

**Vapour Pressure** 0.001 hPa at 20°C

**Water Solubility** Totally Miscible  
(Product emulsifies)

### pH Value

**Flash Point** 180°C

**Ignition Temperature** 250°C

**Explosion Limits** No danger of explosion

### ( 10 ) STABILITY AND REACTIVITY

### Avoiding Circumstances:

No decomposition by correct handling and storage

### Stable To:

Does not apply

### Dangerous reactions:

Not Known

### Dangerous decomposition products:

Upon burning Carbon Monoxide, Nitric Oxide, Isocyanate vapour and traces of Hydrogen Cyanide.

### ( 11 ) TOXICOLOGICAL INFORMATION

### Acute toxicity:

None by correct use.

Over-exposure, especially inhalation of aerosol vapours.  
Danger dependant on concentration. Irritation of the respiratory organs in over-sensitive people – breathing difficulties, coughing, asthma.

### Primary irritation effect of the skin:

Can irritate the skin and mucous membrane.

### Primary irritation effect of the eyes:

Irritation.

### Sensitivity:

Possible with sensitive people on contact with skin.

### ( 12 ) ECOLOGICAL INFORMATION

### Water harmfulness:

Class 1 – slightly harmful to water (own classification, WKG, Germany)

### General instructions:

Do not discharge into ground water, drainage or rivers.

### ( 13 ) DISPOSABLE CONSIDERATIONS

### Recommendations for the product:

Product reacts with water and sets to a physiologically harmless Polyurea solid. The product can therefore be rendered inert by mixing with water and can be disposed of in solid form like domestic refuse.

### Soiled packaging:

Dispose according to local laws. Product can be rendered harmless by filling with water in open bins.

### Recommended cleaning material:

Remove mechanically with sand, sawdust or oil binder or spray with water.

### Refuse key number:

55905

### ( 14 ) TRANSPORT INFORMATION

<b>ADR/RID &amp; GGVS/GGVE:</b>	None
<b>E-Class:</b>	None
<b>Numbers/letters:</b>	None
<b>Mail delivery:</b>	Not allowed (in Germany)

### Express goods:

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### **( 15 ) REGULATORY INFORMATION**

Identification according to EU Laws

**Identification letters & danger identification:**

Xn, mildly toxic, contains prepolymers from 4,4  
Diphenylmethane – (MDI) and Methylphenylene – (TDI)  
– Diisocyanate.

**R-Clauses:**

- 20, harmful to health on inhalation
- 36/37/38, irritates eyes, respiratory organs and skin.
- 42, sensitivity possible through inhalation.

**S-Clauses:**

- 26, upon contact with eyes, wash well with water.  
Call a doctor.
- 28, upon contact with skin, wash immediately with  
soap and water.
- 38, without adequate ventilation, wear breathing  
apparatus.
- 45, in the event of an accident or feeling unwell, call a  
doctor. If possible, present this safety data  
sheet/label.

**National Specifications Chemical:**

### **( 16 ) OTHER INFORMATION**

The information provided is based on our current state of knowledge of the product and does not provide assurance of product properties. The information does not form the basis of a contract of rights under law. The information is not necessarily valid if the product is mixed with another product or included in any given process. It is the responsibility of the receiver of our products to pay attention to the existing laws, interpretations and rights of a third party and to determine the suitability of our products for specific applications.

**Date:** 22<sup>nd</sup> June 2007.