



## SAFETY DATA SHEET

### Delta D315 Titanium Stick Epoxy Putty

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** D315 Titanium Stick Epoxy Putty  
**Product number** D315

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

**Identified uses** Two component epoxy based adhesive.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Delta Adhesives Limited  
Units 39-40, Claycliffe Business Park  
Cannon Way  
Barugh Green, Barnsley  
S75 1JU  
South Yorkshire  
Tel: +44 (0) 1226 381 571  
Fax: +44 (0) 1226 381 722  
email: info@delta-adhesives.co.uk

**Web** www.delta-adhesives.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1226 381 571 (Mon-Fri 8:30am - 4:00pm)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

###### Physical hazards

Not Classified

###### Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

###### Environmental hazards

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

###### Classification (67/548/EEC or 1999/45/EC)

Xi; R36/38. R43

###### Human health

May cause skin sensitisation or allergic reactions in sensitive individuals. Irritating to eyes and skin.

##### 2.2. Label elements

###### Pictogram



###### Signal word

Warning

###### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing vapour/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with national regulations.

#### Contains

EPOXY RESIN (Number average MW ≤ 700 )

#### 2.3. Other hazards

### SECTION 3: Composition/Information on Ingredients

#### 3.2. Mixtures

|  |  |
|--|--|
| <b>TALC</b><br>CAS number: 14807-96-6 EC number: 238-877-9   | <b>20-50%</b>  |
| <b>Classification</b><br>Not Classified  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>-  |
| <b>EPOXY RESIN (Number average MW ≤ 700 )</b><br>CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-2119456619-26-XXXX  | <b>10-20%</b>  |
| <b>Classification</b><br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411                        | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>R43 Xi;R36/38 N;R51/53                     |
| <b>NONYLPHENOL</b><br>CAS number: 25154-52-3 EC number: 246-672-0<br>M factor (Acute) = 10 M factor (Chronic) = 10                             | <b>&lt;0.5%</b>  |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Skin Corr. 1B - H314<br>Repr. 2 - H361fd<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53 |

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

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **Inhalation**

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

#### **Ingestion**

DO NOT induce vomiting. Get medical attention immediately.

#### **Skin contact**

Wash skin thoroughly with soap and water.

#### **Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

#### **Inhalation**

No specific symptoms known.

#### **Ingestion**

May cause discomfort.

#### **Skin contact**

Causes skin irritation. May cause sensitisation or allergic reactions in sensitive individuals.

#### **Eye contact**

Irritating to eyes.

### **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.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

#### **Unsuitable extinguishing media**

DO NOT use water if avoidable.

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

#### **Specific hazards**

No unusual fire or explosion hazards noted.

#### **Hazardous combustion products**

Oxides of carbon. Oxides of nitrogen.

### **5.3. Advice for firefighters**

#### **Protective actions during firefighting**

No specific firefighting precautions known.

#### **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.

### **6.2. Environmental precautions**

#### Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

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

##### Methods for cleaning up

For waste disposal, see Section 13.

#### 6.4. Reference to other sections

##### Reference to other sections

For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

##### Usage precautions

Avoid contact with skin. Avoid contact with eyes.

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

##### Storage precautions

No special storage precautions required.

#### 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

##### TALC

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup> respirable dust

WEL = Workplace Exposure Limit

#### EPOXY RESIN (Number average MW ≤ 700 ) (CAS: 25068-38-6)

|      |   |
|------|---|
| DNEL | Industry - Inhalation; Long term systemic effects: 12.25 mg/m <sup>3</sup><br>Industry - Inhalation; Short term systemic effects: 12.25 mg/m <sup>3</sup><br>Industry - Dermal; Long term systemic effects: 8.33 mg/kg/day<br>Industry - Dermal; Short term systemic effects: 8.33 mg/kg/day<br>REACH dossier information |
| PNEC | - Fresh water; 0.006 mg/l<br>- Marine water; 0.0006 mg/l<br>- Intermittent release; 0.018 mg/l<br>- STP; 10 mg/l<br>- Sediment (Freshwater); 0.996 mg/kg<br>- Sediment (Marinewater); 0.0996 mg/kg<br>- Soil; 0.196 mg/kg<br>REACH dossier information  |

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

No specific ventilation requirements.

##### Eye/face protection

Wear eye protection.

**Hand protection**

Wear protective gloves.

**Hygiene measures**

Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection**

No specific recommendations.

**Environmental exposure controls**

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

---

**SECTION 9: Physical and Chemical Properties**

---

**9.1. Information on basic physical and chemical properties**

**Appearance**

Solid. Coloured paste.

**Colour**

Brown.

**Odour**

Characteristic.

**Odour threshold**

Not determined.

**pH**

Not applicable.

**Melting point**

Not applicable.

**Initial boiling point and range**

>35°C @ 760 mm Hg

**Flash point**

>100°C

**Evaporation rate**

Not applicable.

**Evaporation factor**

Not applicable.

**Flammability (solid, gas)**

Not determined.

**Upper/lower flammability or explosive limits**

Not determined.

**Vapour pressure**

<500 Pa @ 20°C

**Vapour density**

Not applicable.

**Relative density**

Not determined.

**Bulk density**

Not applicable.

**Solubility(ies)**

Insoluble in water

**Partition coefficient**

Not determined.

**Auto-ignition temperature**

Not determined.

**Decomposition Temperature**

Not determined.

**Viscosity**

Not applicable.

**Explosive properties**

Not applicable.

**9.2. Other information**

---

**SECTION 10: Stability and reactivity**

---

**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**Stability**

Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**10.4. Conditions to avoid**

Avoid contact with the following materials: Acids.

**10.5. Incompatible materials**

**Materials to avoid**

Acids. Amines.

**10.6. Hazardous decomposition products**

Oxides of carbon. Oxides of nitrogen.

---

**SECTION 11: Toxicological information**

---

**11.1. Information on toxicological effects**

**Skin sensitisation**

Sensitising.

**Ingestion**

May cause discomfort.

**Skin contact**

Irritating to skin. May cause sensitisation by skin contact.

**Eye contact**

Irritation of eyes and mucous membranes.

**Route of entry**

Skin and/or eye contact.

---

**SECTION 12: Ecological Information**

---

**12.1. Toxicity**

**12.2. Persistence and degradability**

**Persistence and degradability**

The product is not biodegradable.

**12.3. Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**

Not determined.

**12.4. Mobility in soil**

**Mobility**

The product is insoluble in water and will spread on the water surface. The product is non-volatile. Semi-mobile.

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

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

**12.6. Other adverse effects**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal methods**

Dispose of waste via a licensed waste disposal contractor.

**SECTION 14: Transport information**

|                |  |
|----------------|--|
| <b>General</b> | 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.

**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**

Not applicable.

**SECTION 15: Regulatory information**

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

**EU legislation**

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.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

Revision: 5  
D315 Titanium Stick Epoxy Putty

**Revision comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 19/05/2014

**Revision** 1

**SDS number** 20403

**Hazard statements in full**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.



**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.