

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.24.2018

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## Epoxy Putty Stick - Under Water Cure - Part A

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

#### 1.1 Product identifier

**Product Name:** Epoxy Putty Stick - Under Water Cure - Part A

**Product code:** 8277, 8277H (A)



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

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

**United States**

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

#### 1.4 Emergency telephone number:

**United States**

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

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

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**

Eye irritation, category 2A

Skin irritation, category 2

Skin sensitization, category 1

Chronic aquatic hazard, category 2

**Hazard-determining components of labeling:**

Epoxy resin

Diluent

Powder

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Warning

**Hazard statements:**

H319 Causes serious eye irritation.

H315+H320 Causes skin and eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P264 Wash skin and eyes thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists get medical advice/attention  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P362 Take off contaminated clothing and wash before reuse  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P363 Wash contaminated clothing before reuse  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P391 Collect spillage  
P501 Dispose of contents/container in accordance with local regulations.

**2.3 Other hazards:** None known

## SECTION 3: Composition/information on ingredients

**3.1 Substance:** Not applicable.

**3.2 Mixture:**

Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 14807-96-6 EC number: 238-877-9	Talc Powder	Not classified	<15
CAS number: 13463-67-7 EC number: 236-675-5	Titanium Dioxide	Not classified	<10
CAS number: 67762-90-7	Powder additive	Not classified	<1
CAS number: 65997-17-3 EC number: 266-046-0	Powder	Carc. 1B; H350	<25
CAS number: 37244-96-5	Powder	Not classified	<40
CAS number: 3101-60-8 EC number: 221-453-2	Diluent	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<1
CAS number: 25068-38-6 EC number: 500-033-5	Epoxy resin	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<30

**Additional information:** None

**Full Text of H and EUH statements:** See section 16

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes:

Not determined or not available.

##### Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

##### Following skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

##### Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes

Get medical advice if eye irritation persists

##### Following ingestion:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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

##### Acute symptoms and effects:

Not determined or not available.

##### Delayed symptoms and effects:

Not determined or not available.

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

##### Specific treatment:

Not determined or not available.

##### Notes for the doctor:

Not determined or not available

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

##### Unsuitable extinguishing media:

Not determined or not applicable.

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

Thermal decomposition can lead to release of irritating gases and vapors.

#### 5.3 Advice for firefighters

##### Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

##### Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion.

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Heating causes a rise in pressure, risk of bursting and combustion.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
Ensure air handling systems are operational.  
Wear protective eye wear, gloves and clothing.

#### 6.2 Environmental precautions:

Should not be released into the environment.  
Prevent from reaching drains, sewer or waterway.

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

Wear protective eye wear, gloves and clothing.  
Sweep or scoop up solid material while minimizing dust generation.  
Dispose of contents / container in accordance with local regulations.

#### 6.4 Reference to other sections:

Not determined or not applicable.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling:

Use only with adequate ventilation.  
Avoid breathing dust.  
Do not eat, drink, smoke or use personal products when handling chemical substances.

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

Keep container tightly sealed.  
Keep container dry.  
Store in a cool, well-ventilated area.

#### 7.3 Specific end use(s):

Not determined or not applicable.

### SECTION 8: Exposure controls/personal protection



#### 8.1 Control parameters

Only those substances with limit values have been included below.

##### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Bulgaria	Powder	65997-17-3	TWA: 6.0 mg/m <sup>3</sup> (inhalable fraction)
	Powder	65997-17-3	TWA: 1.0 fibres/cm <sup>3</sup> (respirable fraction)
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Respirable dust)
	Talc Powder	14807-96-6	TWA: 6.0 mg/m <sup>3</sup> (inhalable fraction)

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	Talc Powder	14807-96-6	TWA: 3.0 mg/m <sup>3</sup> (respirable fraction)
Cyprus	Powder	65997-17-3	8-hour TWA: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Talc Powder	14807-96-6	8-hour TWA: 706 particles/cm <sup>3</sup>
Czech Republic	Powder	65997-17-3	8-hour TWA: 5.0 mg/m <sup>3</sup> (glass laminate dusts)
	Powder	65997-17-3	8-hour TWA: 1.0 fibers/cm <sup>3</sup> (respirable fibers)
	Powder	65997-17-3	8-hour TWA: 4 mg/m <sup>3</sup> (synthetic mineral fibers - all sizes)
	Powder	65997-17-3	8-hour TWA: 1.0 fibers/cm <sup>3</sup> (synthetic mineral respirable fibers)
	Powder	65997-17-3	8-hour TWA: 0.3 fibers/cm <sup>3</sup> (ceramic respirable fibers)
	Talc Powder	14807-96-6	8-hour TWA: 2.0 mg/m <sup>3</sup> (dust, respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (dust, respirable fraction, Fr > 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (dust, total concentration)
	Talc Powder	14807-96-6	8-hour TWA: 5.0 mg/m <sup>3</sup> (polymeric material dust)
Croatia	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust) 15-min
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 15-min
	Talc Powder	14807-96-6	Maximum (8 hr) allowable concentration: 1 mg/m <sup>3</sup> (respirable dust)
Estonia	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (total dust)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (fine dust)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m <sup>3</sup> (plastic)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m <sup>3</sup> (textile)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (organic dust, total dust)
Hungary	Powder	65997-17-3	8-Hour TWA (ÁK Value): 1.0 fibers/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 2 mg/m <sup>3</sup> (respirable)
	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 10 mg/m <sup>3</sup> (total, inhalable)
Latvia	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA: 2 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m <sup>3</sup> (tuff, pumice, perlite)

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	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (natural and synthetic)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (polymers)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (abrasive dusts)
	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m <sup>3</sup> (tal-like dust)
Lithuania	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (glass fiber)
	Powder	65997-17-3	8-hour TWA: 0.2 fibers/cm <sup>3</sup> (synthetic inorganic, crystal fibers)
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (synthetic inorganic, amorphous fibers)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m <sup>3</sup> (respirable fraction)
Poland	Titanium Dioxide	13463-67-7	OEL: TWA (NDS) 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA( NDS): 2.0 mg/m <sup>3</sup> (inhalable fraction)
	Powder	65997-17-3	8-hour TWA (NDS): 1.0 fibers/cm <sup>3</sup> (respirable fibers)
	Talc Powder	14807-96-6	8-hour TWA (NDS): 4 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA (NDS): 1 mg/m <sup>3</sup> (respirable fraction)
Romania	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Titanium Dioxide	13463-67-7	OEL: STEL 15 mg/m <sup>3</sup> 15-min
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (glass wool fibers - respirable fraction)
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (rock wool fibers - respirable fraction)
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (slag wool fibers - respirable fraction)
	Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (special purpose glass fibers - respirable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (inhalable fraction)
Slovakia	Titanium Dioxide	13463-67-7	OEL: TWA (NPEL) 5 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA (NPEL): 2 fibers/cm <sup>3</sup> (4 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	8-hour TWA (NPEL): 2 mg/m <sup>3</sup> (respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable fraction, Fr > 5%)
Austria	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: STEL 10 mg/m <sup>3</sup>

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Belgium	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA: 10 mg/m <sup>3</sup> (glass - fibers or dusts of)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m <sup>3</sup> (respirable fraction)
Denmark	Titanium Dioxide	13463-67-7	OEL: TWA 6.0 mg/m <sup>3</sup>
	Powder	65997-17-3	TWA: 1 fibers/cm <sup>3</sup>
Finland	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour limit: 5 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	15-minute limit: 2 ppm (inhalable)
	Talc Powder	14807-96-6	15-minute limit: 1 ppm (respirable)
France	Titanium Dioxide	13463-67-7	OEL: (VME) 10 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	Time weighted average (VME): 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	Time weighted average (VME): 5 mg/m <sup>3</sup> (respirable fraction)
Greece	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable) 8-hr
	Titanium Dioxide	13463-67-7	OEL: TWA 5.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (inhalable)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable)
Slovenia	Powder	65997-17-3	8-hour TWA: 500000 fibers/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (Respirable fraction)
Ireland	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable dust) 8-hr
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
	Powder	65997-17-3	8-hour OEL (TWA): 2 fibers/cm <sup>3</sup> of air (5 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	8-hour OEL (TWA): 10 mg/m <sup>3</sup> (total inhalable dust)
	Talc Powder	14807-96-6	8-hour OEL (TWA): 0.8 mg/m <sup>3</sup> (respirable fraction)
Italy	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour TWA: 1 fibres/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable fraction)
Portugal	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	NP 1796-2007 8-hour exposure limit: 1 fibres/cm <sup>3</sup>

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	Talc Powder	14807-96-6	NP 1796-2007 8-hour exposure limit: 2 mg/m <sup>3</sup> (respirable fraction)
Netherlands	Powder	65997-17-3	Binding 8-hour TWA: 0,5 fibre/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 0.25 mg/m <sup>3</sup> (respirable)
Spain	Titanium Dioxide	13463-67-7	OEL: (VLA_ED) 10.0 mg/m <sup>3</sup> 8-hr
	Powder	65997-17-3	8-hour daily exposure limit (VLA_ED): 0,5 fibres/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour daily exposure limit (VLA_ED): 2 mg/m <sup>3</sup> (respirable fraction)
Sweden	Titanium Dioxide	13463-67-7	OEL: (NGV) 5.0 (Total dust) mg/m <sup>3</sup>
	Powder	65997-17-3	Level Limit Value (NGV): 1 fiber/mL
	Talc Powder	14807-96-6	Level Limit Value (NGV): 2 mg/m <sup>3</sup> (total dust)
	Talc Powder	14807-96-6	Level Limit Value (NGV): 1 mg/m <sup>3</sup> (respirable dust)
United Kingdom	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust)
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust)
	Powder	65997-17-3	TWA: 1 fibre/mL (5 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	TWA: 1 mg/m <sup>3</sup> (respirable dust)
Germany	Talc Powder	14807-96-6	AGW Limit value: 1.25 mg/m <sup>3</sup> (respirable fraction)
	Talc Powder	14807-96-6	AGW limit value: 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	AGW Short term (15 min) exposure limit: 20 mg/m <sup>3</sup> (inhalable fraction)

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Derived No Effect Level (DNEL):

Not determined or not applicable.

#### Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls  
Biological monitoring may also be appropriate for some substances

## 8.2 Exposure controls

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated



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above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Very thick white paste (solid)
Odor	Not available
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/range	Not available
Flash point (closed cup)	135°C (275°F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Density	1.98
Relative density	Not available
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Dynamic viscosity	Not available
Kinematic viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

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Does not react under normal conditions of use and storage.

### 10.2 Chemical stability:

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

### 10.4 Conditions to avoid:

None known.

### 10.5 Incompatible materials:

None known.

### 10.6 Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Skin corrosion/irritation

**Assessment:** Causes skin irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Epoxy resin	Causes skin irritation.
Diluent	Causes skin irritation

#### Serious eye damage/irritation

**Assessment:** Causes serious eye irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Epoxy resin	Causes serious eye irritation.
Diluent	Causes serious eye damage

#### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

**Product data:**

No data available.

**Substance data:**

Name	Result
Epoxy resin	May cause an allergic skin reaction.
Diluent	Result : May cause sensitisation by skin contact.

#### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

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### Substance data:

Name	Species	Result
Powder	Not applicable	May cause cancer via inhalation.
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.

### International Agency for Research on Cancer (IARC):

Name	Classification
Talc Powder	Group 3 - Not classifiable as to its carcinogenicity to humans
Powder	Group 2B
Titanium Dioxide	Group 2B

### National Toxicology Program (NTP):

Name	Classification
Powder	Reasonably anticipated to be human carcinogens

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Reproductive Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute (short-term) toxicity

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## Epoxy Putty Stick - Under Water Cure - Part A

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Epoxy resin	EC50 - Scenedesmus capricornutum - 9 mg/L - 48 h

### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### 12.5 Results of PBT and vPvB assessment

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

**12.6 Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Relevant information:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

### International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

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## Epoxy Putty Stick - Under Water Cure - Part A

<b>UN number</b>	Not Regulated
<b>UN proper shipping name</b>	Not Regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

## International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<b>UN number</b>	Not Regulated
<b>UN proper shipping name</b>	Not Regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

## SECTION 15: Regulatory information

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

#### European regulations

##### Inventory listing (EINECS):

25068-38-6	Epoxy resin	Listed
3101-60-8	Diluent	Listed
14807-96-6	Talc Powder	Listed
37244-96-5	Powder	Not Listed
65997-17-3	Powder	Listed
67762-90-7	Powder additive	Not Listed
13463-67-7	Titanium Dioxide	Listed

**REACH SVHC candidate list:** Not determined.

**REACH SVHC Authorizations:** Not determined.

**REACH Restriction:** Not determined.

**Water hazard class (WGK) (Product):** Not determined.

**Water hazard class (WGK) (Substance):**

Ingredient Name	CAS	Class
Epoxy resin	25068-38-6	2
Talc Powder	14807-96-6	Non-hazardous to water.
Powder additive	67762-90-7	Non-hazardous to water.
Titanium Dioxide	13463-67-7	Non-hazardous to water.

#### Other regulations

**Germany MAK:** 8-hour TWA: 0.3 mg/m<sup>3</sup> (respirable fraction), 8-hour TWA: 4 mg/m<sup>3</sup> (inhalable fraction)

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

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## Epoxy Putty Stick - Under Water Cure - Part A

### Indication of changes:

Not applicable.

**Abbreviations and Acronyms:** None

### Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Eye irritation, category 2A	Calculation method
Skin irritation, category 2	Calculation method
Skin sensitization, category 1	Calculation method
Chronic aquatic hazard, category 2	Calculation method

### Summary of classification in section 3:

Carc. 1B; H350	Carcinogenicity, category 1B
Skin Sens. 1; H317	Skin sensitization, category 1
Skin Irrit. 2 ; H315	Skin irritation, category 2
Eye Irrit. 2; H319	Eye irritation, category 2A
Aquatic Chronic 2; H411	Chronic aquatic hazard, category 2

### Summary of hazard statements in section 3:

H350	May cause cancer
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

### Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and 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 such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-0

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**End of Safety Data Sheet**

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## Epoxy Putty Stick - Under Water Cure - Part B

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

#### 1.1 Product identifier

**Product Name:** Epoxy Putty Stick - Under Water Cure - Part B

**Product code:** 8277, 8277H (B)



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

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

**United States**

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

#### 1.4 Emergency telephone number:

**United States**

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

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

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**

Eye irritation, category 2A

Skin irritation, category 2

Skin sensitization, category 1

Acute aquatic hazard, category 3

Chronic aquatic hazard, category 3

**Hazard-determining components of labeling:**

Amine complex

Curing Agent

Polyamine

Amine Mix

Glass Powder

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Warning

**Hazard statements:**

H319 Causes serious eye irritation.

H315+H320 Causes skin and eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H402 Harmful to aquatic life.

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## Epoxy Putty Stick - Under Water Cure - Part B

H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements:

P264 Wash skin and eyes thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists get medical advice/attention

P321 Specific treatment (see supplemental first aid instructions on this label).

P362 Take off contaminated clothing and wash before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention

P362+P364 Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P501 Dispose of contents/container in accordance with local regulations.

### 2.3 Other hazards: None known

## SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

### 3.2 Mixture:

Identification	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 14807-96-6 EC number: 238-877-9	Talc Powder	Not classified	<20
CAS number: 112-24-3 EC number: 203-950-6	Amine Mix	Acute Tox. 4; H312 Skin Sens. 1; H317 Skin Corr. 1B; H314 Aquatic Chronic 3; H412	<1
CAS number: 13463-67-7 EC number: 236-675-5	Titanium Dioxide	Not classified	<2
CAS number: 67762-90-7	Powder additive	Not classified	<1
CAS number: 65997-17-3 EC number: 266-046-0	Glass Powder	Carc. 1B; H350	<15
CAS number: 37244-96-5	Powder	Not classified	<30
CAS number: 7727-43-7 EC number: 231-784-4	Barium Sulphate	Not classified	<15



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## Epoxy Putty Stick - Under Water Cure - Part B

CAS number: 68479-04-9 EC number: 270-851-2	Amine complex	Not classified	<1
CAS number: 26950-63-0 EC number: 500-055-5	Polyamine	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1; H317 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412	<5
CAS number: 57-55-6 EC number: 200-338-0	Diluent	Not classified	<1
CAS number: 72244-98-5	Curing Agent	Skin Sens. 1; H317 Aquatic Chronic 3; H412	<20
CAS number: 186898-76-0	Amine complex	Not classified	<5

**Additional information:** None

**Full Text of H and EUH statements:** See section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes:**

Not determined or not available.

**Following inhalation:**

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

**Following skin contact:**

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

**Following eye contact:**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes

Get medical advice if eye irritation persists

**Following ingestion:**

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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

**Acute symptoms and effects:**

Not determined or not available.

**Delayed symptoms and effects:**

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## Epoxy Putty Stick - Under Water Cure - Part B

Not determined or not available.

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

#### Specific treatment:

Not determined or not available.

#### Notes for the doctor:

Not determined or not available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

#### Unsuitable extinguishing media:

Not determined or not applicable.

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

Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3 Advice for firefighters

#### Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

#### Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

### 6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

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

Wear protective eye wear, gloves and clothing.

Sweep or scoop up solid material while minimizing dust generation.

Dispose of contents / container in accordance with local regulations.

### 6.4 Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing dust.

Do not eat, drink, smoke or use personal products when handling chemical substances.

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

Keep container tightly sealed.

Keep container dry.

Store in a cool, well-ventilated area.

### 7.3 Specific end use(s):

Not determined or not applicable.

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## Epoxy Putty Stick - Under Water Cure - Part B

### SECTION 8: Exposure controls/personal protection



#### 8.1 Control parameters

Only those substances with limit values have been included below.

##### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Estonia	Amine Mix	112-24-3	8-hour TWA: 1 ppm (6 mg/m <sup>3</sup> )
	Amine Mix	112-24-3	STEL: 12 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (total dust)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (fine dust)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m <sup>3</sup> (plastic)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m <sup>3</sup> (textile)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (organic dust, total dust)
Croatia	Diluent	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (474 mg/m <sup>3</sup> ) [Total vapor and particulates]
	Diluent	57-55-6	Maximum (8 hr) allowable concentration: 150 ppm (10 mg/m <sup>3</sup> ) [Particulates]
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust) 15-min
	Barium Sulphate	7727-43-7	TWA 8-hr: 10 mg/m <sup>3</sup> (Total dust); 4 mg/m <sup>3</sup> (Respirable dust)
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 15-min
	Talc Powder	14807-96-6	Maximum (8 hr) allowable concentration: 1 mg/m <sup>3</sup> (respirable dust)
Bulgaria	Glass Powder	65997-17-3	TWA: 6.0 mg/m <sup>3</sup> (inhalable fraction)
	Glass Powder	65997-17-3	TWA: 1.0 fibres/cm <sup>3</sup> (respirable fraction)
	Barium Sulphate	7727-43-7	TWA 8-hr: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Respirable dust)
	Talc Powder	14807-96-6	TWA: 6.0 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	TWA: 3.0 mg/m <sup>3</sup> (respirable fraction)
Lithuania	Amine Mix	112-24-3	8-hour TWA: 6 mg/m <sup>3</sup> (1 ppm)

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### Epoxy Putty Stick - Under Water Cure - Part B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Amine Mix	112-24-3	15-minute STEL: 12 mg/m <sup>3</sup> (2 ppm)
	Diluent	57-55-6	8-hour TWA: 7 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (glass fiber)
	Glass Powder	65997-17-3	8-hour TWA: 0.2 fibers/cm <sup>3</sup> (synthetic inorganic, crystal fibers)
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (synthetic inorganic, amorphous fibers)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 1 mg/m <sup>3</sup> (respirable fraction)
Latvia	Diluent	57-55-6	8-hour TWA: 7 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA: 2 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m <sup>3</sup> (tuff, pumice, perlite)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (natural and synthetic)
	Talc Powder	14807-96-6	8-hour TWA: 5 mg/m <sup>3</sup> (polymers)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (abrasive dusts)
	Talc Powder	14807-96-6	8-hour TWA: 4 mg/m <sup>3</sup> (tal-like dust)
Poland	Amine Mix	112-24-3	8-hour TWA (NDS): 1 mg/m <sup>3</sup>
	Amine Mix	112-24-3	15-minute STEL (NDSCh): 3 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA (NDS) 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA( NDS): 2.0 mg/m <sup>3</sup> (inhalable fraction)
	Glass Powder	65997-17-3	8-hour TWA (NDS): 1.0 fibers/cm <sup>3</sup> (respirable fibers)
	Talc Powder	14807-96-6	8-hour TWA (NDS): 4 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA (NDS): 1 mg/m <sup>3</sup> (respirable fraction)
Cyprus	Glass Powder	65997-17-3	8-hour TWA: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Talc Powder	14807-96-6	8-hour TWA: 706 particles/cm <sup>3</sup>
Ireland	Diluent	57-55-6	8-hour OEL (TWA): 150 ppm (470 mg/m <sup>3</sup> ) [Total (vapor and particulates)]
	Diluent	57-55-6	8-hour OEL (TWA): 10 mg/m <sup>3</sup> (Particulates)
	Barium Sulphate	7727-43-7	TWA 8-hr: 2 mg/m <sup>3</sup> (Respirable Dust)

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### Epoxy Putty Stick - Under Water Cure - Part B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable dust) 8-hr
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
	Glass Powder	65997-17-3	8-hour OEL (TWA): 2 fibers/cm <sup>3</sup> of air (5 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	8-hour OEL (TWA): 10 mg/m <sup>3</sup> (total inhalable dust)
	Talc Powder	14807-96-6	8-hour OEL (TWA): 0.8 mg/m <sup>3</sup> (respirable fraction)
Czech Republic	Glass Powder	65997-17-3	8-hour TWA: 5.0 mg/m <sup>3</sup> (glass laminate dusts)
	Glass Powder	65997-17-3	8-hour TWA: 1.0 fibers/cm <sup>3</sup> (respirable fibers)
	Glass Powder	65997-17-3	8-hour TWA: 4 mg/m <sup>3</sup> (synthetic mineral fibers - all sizes)
	Glass Powder	65997-17-3	8-hour TWA: 1.0 fibers/cm <sup>3</sup> (synthetic mineral respirable fibers)
	Glass Powder	65997-17-3	8-hour TWA: 0.3 fibers/cm <sup>3</sup> (ceramic respirable fibers)
	Talc Powder	14807-96-6	8-hour TWA: 2.0 mg/m <sup>3</sup> (dust, respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (dust, respirable fraction, Fr > 5%)
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (dust, total concentration)
	Talc Powder	14807-96-6	8-hour TWA: 5.0 mg/m <sup>3</sup> (polymeric material dust)
Romania	Amine Mix	112-24-3	8-hour TWA: 10 mg/m <sup>3</sup> (1.7 ppm)
	Amine Mix	112-24-3	15-minute STEL: 20 mg/m <sup>3</sup> (3.3 ppm)
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Titanium Dioxide	13463-67-7	OEL: STEL 15 mg/m <sup>3</sup> 15-min
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (glass wool fibers - respirable fraction)
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (rock wool fibers - respirable fraction)
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (slag wool fibers - respirable fraction)
	Glass Powder	65997-17-3	8-hour TWA: 1 fibers/cm <sup>3</sup> (special purpose glass fibers - respirable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (inhalable fraction)
United Kingdom	Diluent	57-55-6	TWA: 150 ppm (474 mg/m <sup>3</sup> ) [Total (vapor and particulates)]
	Diluent	57-55-6	TWA: 10 mg/m <sup>3</sup> (Particulates)
	Barium Sulphate	7727-43-7	TWA: 10 mg/m <sup>3</sup> (Inhalable dust), 4 mg/m <sup>3</sup> (Respirable dust)
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust)

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### Epoxy Putty Stick - Under Water Cure - Part B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Titanium Dioxide	13463-67-7	OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust)
	Glass Powder	65997-17-3	TWA: 1 fibre/mL (5 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	TWA: 1 mg/m <sup>3</sup> (respirable dust)
Sweden	Amine Mix	112-24-3	Level Limit Value (NGV): 1 ppm (6 mg/m <sup>3</sup> )
	Amine Mix	112-24-3	Short Term Limit (KTV): 2 ppm (12 mg/m <sup>3</sup> )
	Titanium Dioxide	13463-67-7	OEL: (NGV) 5.0 (Total dust) mg/m <sup>3</sup>
	Glass Powder	65997-17-3	Level Limit Value (NGV): 1 fiber/mL
	Talc Powder	14807-96-6	Level Limit Value (NGV): 2 mg/m <sup>3</sup> (total dust)
	Talc Powder	14807-96-6	Level Limit Value (NGV): 1 mg/m <sup>3</sup> (respirable dust)
Slovakia	Barium Sulphate	7727-43-7	NPEL TWA 8-hr: 4 mg/m <sup>3</sup> (Inhalable fraction), 1.5 mg/m <sup>3</sup> (Respirable fraction)
	Titanium Dioxide	13463-67-7	OEL: TWA (NPEL) 5 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA (NPEL): 2 fibers/cm <sup>3</sup> (4 mg/m <sup>3</sup> )
	Talc Powder	14807-96-6	8-hour TWA (NPEL): 2 mg/m <sup>3</sup> (respirable fraction, Fr ≤ 5%)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable fraction, Fr > 5 %)
Belgium	Barium Sulphate	7727-43-7	TWA 8-hr: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA: 10 mg/m <sup>3</sup> (glass - fibers or dusts of)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	8-hour TWA: 3 mg/m <sup>3</sup> (respirable fraction)
Finland	Barium Sulphate	7727-43-7	TWA 8-hr: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10,0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour limit: 5 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	15-minute limit: 2 ppm (inhalable)
	Talc Powder	14807-96-6	15-minute limit: 1 ppm (respirable)
Hungary	Glass Powder	65997-17-3	8-Hour TWA (ÁK Value): 1.0 fibers/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 2 mg/m <sup>3</sup> (respirable)
	Talc Powder	14807-96-6	8-hour TWA (ÁK Value): 10 mg/m <sup>3</sup> (total, inhalable)
Italy	Barium Sulphate	7727-43-7	TWA 8-hr: 5 mg/m <sup>3</sup> (Inhalable fraction)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour TWA: 1 fibres/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable fraction)
Portugal	Barium Sulphate	7727-43-7	TWA 8-hr: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	NP 1796-2007 8-hour exposure limit: 1 fibres/cm <sup>3</sup>
	Talc Powder	14807-96-6	NP 1796-2007 8-hour exposure limit: 2 mg/m <sup>3</sup> (respirable fraction)
Spain	Barium Sulphate	7727-43-7	VLA-ED 8-hr: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: (VLA_ED) 10.0 mg/m <sup>3</sup> 8-hr
	Glass Powder	65997-17-3	8-hour daily exposure limit (VLA_ED): 0,5 fibres/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour daily exposure limit (VLA_ED): 2 mg/m <sup>3</sup> (respirable fraction)
Austria	Titanium Dioxide	13463-67-7	OEL: TWA 5 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	OEL: STEL 10 mg/m <sup>3</sup>
Denmark	Titanium Dioxide	13463-67-7	OEL: TWA 6.0 mg/m <sup>3</sup>
	Glass Powder	65997-17-3	TWA: 1 fibers/cm <sup>3</sup>
France	Titanium Dioxide	13463-67-7	OEL: (VME) 10 mg/m <sup>3</sup>
	Talc Powder	14807-96-6	Time weighted average (VME): 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	Time weighted average (VME): 5 mg/m <sup>3</sup> (respirable fraction)
Slovenia	Glass Powder	65997-17-3	8-hour TWA: 500000 fibers/m <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (Respirable fraction)
Greece	Titanium Dioxide	13463-67-7	OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable) 8-hr
	Titanium Dioxide	13463-67-7	OEL: TWA 5.0 mg/m <sup>3</sup> (Respirable dust) 8-hr
	Talc Powder	14807-96-6	8-hour TWA: 10 mg/m <sup>3</sup> (inhalable)
	Talc Powder	14807-96-6	8-hour TWA: 2 mg/m <sup>3</sup> (respirable)
Netherlands	Glass Powder	65997-17-3	Binding 8-hour TWA: 0.5 fibre/cm <sup>3</sup>
	Talc Powder	14807-96-6	8-hour TWA: 0.25 mg/m <sup>3</sup> (respirable)
Germany	Talc Powder	14807-96-6	AGW Limit value: 1.25 mg/m <sup>3</sup> (respirable fraction)
	Talc Powder	14807-96-6	AGW limit value: 10 mg/m <sup>3</sup> (inhalable fraction)
	Talc Powder	14807-96-6	AGW Short term (15 min) exposure limit: 20 mg/m <sup>3</sup> (inhalable fraction)

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### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Derived No Effect Level (DNEL):

Not determined or not applicable.

### Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls  
Biological monitoring may also be appropriate for some substances

## 8.2 Exposure controls

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Very thick light yellow paste (solid)
<b>Odor</b>	Not available
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point/range</b>	Not available
<b>Flash point (closed cup)</b>	107.78°C (226°F)
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper flammability/explosive limit</b>	Not available
<b>Lower flammability/explosive limit</b>	Not available
<b>Vapor pressure</b>	Not available



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<b>Vapor density</b>	Not available
<b>Density</b>	1.96
<b>Relative density</b>	Not available
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto/Self-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Dynamic viscosity</b>	Not available
<b>Kinematic viscosity</b>	Not available
<b>Explosive properties</b>	Not available
<b>Oxidizing properties</b>	Not available

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

Does not react under normal conditions of use and storage.

### 10.2 Chemical stability:

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

### 10.4 Conditions to avoid:

None known.

### 10.5 Incompatible materials:

None known.

### 10.6 Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Skin corrosion/irritation

**Assessment:** Causes skin irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Amine complex	Causes severe skin burns and eye damage.
Polyamine	Corrosive to the skin.
Amine Mix	Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

**Assessment:** Causes serious eye irritation

**Product data:**

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No data available.

### Substance data:

Name	Result
Polyamine	Corrosive effect on the eyes.

### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

### Product data:

No data available.

### Substance data:

Name	Result
Curing Agent	May cause an allergic skin reaction.
Polyamine	Sensitization possible through skin contact.
Amine Mix	May cause an allergic skin reaction.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

### Substance data:

Name	Species	Result
Glass Powder	Not applicable	May cause cancer via inhalation.
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.

### International Agency for Research on Cancer (IARC):

Name	Classification
Glass Powder	Group 2B
Talc Powder	Group 3 - Not classifiable as to its carcinogenicity to humans
Titanium Dioxide	Group 2B

### National Toxicology Program (NTP):

Name	Classification
Glass Powder	Reasonably anticipated to be human carcinogens

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Reproductive Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

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### Product data:

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

### Substance data:

Name	Result
Amine complex	Harmful if swallowed.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute (short-term) toxicity

**Assessment:** Harmful to aquatic life

**Product data:** No data available.

#### Substance data:

Name	Result
Amine Mix	LC50 - Daphnia magna (Water flea) - 33.9 mg/L - 48 h

#### Chronic (long-term) toxicity

**Product data:** No data available.

#### Substance data:

Name	Result
Curing Agent	NOEC - Daphnia magna (Water flea) - 3.5 mg/L - 21 d

### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### 12.5 Results of PBT and vPvB assessment

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

### 12.6 Other adverse effects: No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Relevant information:**

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It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### SECTION 14: Transport information

#### International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### SECTION 15: Regulatory information

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

##### European regulations

##### Inventory listing (EINECS):

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed

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68479-04-9	Amine complex	Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Listed
65997-17-3	Glass Powder	Listed
14807-96-6	Talc Powder	Listed
67762-90-7	Powder additive	Not Listed
37244-96-5	Powder	Not Listed
13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

**REACH SVHC candidate list:** Not determined.

**REACH SVHC Authorizations:** Not determined.

**REACH Restriction:** Not determined.

**Water hazard class (WGK) (Product):** Not determined.

**Water hazard class (WGK) (Substance):**

Ingredient Name	CAS	Class
Curing Agent	72244-98-5	1
Amine Mix	112-24-3	2
Talc Powder	14807-96-6	Non-hazardous to water.
Powder additive	67762-90-7	Non-hazardous to water.
Titanium Dioxide	13463-67-7	Non-hazardous to water.
Barium Sulphate	7727-43-7	Non-hazardous to water.

### Other regulations

**Germany MAK:** 8-hour TWA: 0.3 mg/m<sup>3</sup> (respirable fraction), TWA 8-hr: 0.3 mg/m<sup>3</sup> (Respirable fraction); 4 mg/m<sup>3</sup> (Inhalable fraction), 8-hour TWA: 4 mg/m<sup>3</sup> (inhalable fraction)

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### Indication of changes:

Not applicable.

**Abbreviations and Acronyms:** None

### Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Eye irritation, category 2A	Calculation method
Skin irritation, category 2	Calculation method
Skin sensitization, category 1	Calculation method
Acute aquatic hazard, category 3	Calculation method
Chronic aquatic hazard, category 3	Calculation method

### Summary of classification in section 3:

Acute Tox. 4; H312	Acute toxicity (dermal), category 4
Skin Sens. 1; H317	Skin sensitization, category 1

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Skin Corr. 1B; H314	Skin corrosion, category 1B
Aquatic Chronic 3; H412	Chronic aquatic hazard, category 3
Carc. 1B; H350	Carcinogenicity, category 1B
Acute Tox. 4; H302	Acute toxicity (oral), category 4
Eye Dam. 1; H318	Serious eye damage, category 1

#### Summary of hazard statements in section 3:

H312	Harmful in contact with skin
H317	May cause an allergic skin reaction
H314	Causes severe skin burns and eye damage
H412	Harmful to aquatic life with long lasting effects
H350	May cause cancer
H302	Harmful if swallowed
H318	Causes serious eye damage

#### Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and 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 such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-0

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**End of Safety Data Sheet**