



# WaterWeld™ Epoxy Putty

## JRP Distribution Ltd

Version No: 15.28

Safety data sheet according to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Issue Date: 10/25/2023

Print Date: 10/25/2023

S.REACH.GB.EN

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

#### 1.1. Product Identifier

Product name	WaterWeld™ Epoxy Putty
Synonyms	8277 (WaterWeld™ Epoxy Putty Stick)
Other means of identification	UFI:AMWQ-M0P9-0007-60FJ

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

Relevant identified uses	Use according to manufacturer's directions.
Uses advised against	No specific uses advised against are identified.

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

Registered company name	JRP Distribution Ltd	J-B Weld Company, LLC
Address	Unit 10A, Business Park, City Fields Way Tangmere PO20 2FT United Kingdom	400 CMH Road Sulphur Springs, TX 75482 United States
Telephone	+44 1903 750355	903-885-7696
Fax	Not Available	903-885-5911
Website	<a href="http://www.jbweld.com">www.jbweld.com</a>	<a href="http://www.jbweld.com">www.jbweld.com</a>
Email	info@jbweld.com	info@jbweld.com

#### 1.4. Emergency telephone number

Association / Organisation	Department of Health & Social Care (DHSC)	InfoTrac
Emergency telephone numbers	112	For US and Canada (24 hour): 1-800-535-5053
Other emergency telephone numbers	Not Available	Not Available

### SECTION 2 Hazards identification

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

Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 [1]	H315 - Skin Corrosion/Irritation Category 2, H317 - Sensitisation (Skin) Category 1B, H319 - Serious Eye Damage/Eye Irritation Category 2, H351 - Carcinogenicity Category 2
---	--

#### 2.2. Label elements

Hazard pictogram(s)	
Signal word	Warning

#### Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.

#### Supplementary statement(s)

## WaterWeld™ Epoxy Putty

EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
--------	--

## Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P261	Avoid breathing mist/vapours/spray.
P264	Wash all exposed external body areas thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/ attention.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.

## Precautionary statement(s) Storage

P405	Store locked up.
------	------------------

## Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
------	--

## 2.3. Other hazards

Inhalation may produce health damage\*.

Cumulative effects may result following exposure\*.

glass, oxide	Listed in the Europe Regulation (EC) No 1907/2006 - Annex XVII (Restrictions may apply)
--------------	---

## SECTION 3 Composition / information on ingredients

## 3.1.Substances

See 'Composition on ingredients' in Section 3.2

## 3.2.Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Name	Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	SCL / M-Factor	Nanoform Particle Characteristics
1. 25068-38-6* 2. 500-033-5 3. 603-074-00-8 4. Not Available	10 - 15	<u>bisphenol A diglycidyl ether polymer</u>	Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2, Sensitisation (Skin) Category 1B; H335, H315, H319, H317 [1]	Eye Irrit. 2; H319: C ≥ 5 %   Skin Irrit 2; H315: C ≥ 5 %	Not Available
1. 3101-60-8* 2. 221-453-2 3. Not Available 4. Not Available	< 0.5	<u>4-tert-butylphenyl glycidyl ether</u>	Hazardous to the Aquatic Environment Long-Term Hazard Category 2, Acute Toxicity (Dermal) Category 4, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1; H411, H312, H302, H315, H317 [1]	Not Available	Not Available
1. 14807-96-6* 2. 238-877-9 3. Not Available 4. Not Available	10 - 15	<u>Talc</u>	Not Applicable	Not Available	Not Available
1. 1318-59-8* 2. 215-285-9 3. Not Available 4. Not Available	1 - 5	<u>Chlorite</u>	Not Applicable	Not Available	Not Available
1. 14808-60-7* 2. 238-878-4 3. Not Available 4. Not Available	< 0.5	<u>Quartz</u>	Specific Target Organ Toxicity - Single Exposure Category 1, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3, Carcinogenicity Category 1A, Specific Target Organ Toxicity - Repeated Exposure Category 1; H370, H335, H350, H372 [1]	Not Available	Not Available
1. 77-99-6 2. 201-074-9 3. Not Available 4. Not Available	< 0.1	<u>trimethylolpropane</u>	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2; H315, H319 [1]	Not Available	Not Available
1. 67762-90-7 2. 231-545-4 3. Not Available 4. Not Available	< 0.5	<u>silica amorphous</u>	EUH210 [1]	Not Available	Not Available

Continued...

## WaterWeld™ Epoxy Putty

1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Name	Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	SCL / M-Factor	Nanoform Particle Characteristics
1. 65997-17-3 2. 266-046-0 3. Not Available 4. Not Available	10 - 20	<u>glass oxide</u>	Not Applicable	Not Available	Not Available
1. 37244-96-5 2. Not Available 3. Not Available 4. Not Available	25 - 35	<u>nepheline syenite</u>	EUH066 [1]	Not Available	Not Available
1. 72244-98-5* 2. Not Available 3. Not Available 4. Not Available	1 - 10	<u>pentaerythritol propoxylated, mercaptoglycerol capped</u>	Sensitisation (Skin) Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 3; H317, H412 [1]	Not Available	Not Available
1. 68479-04-9* 2. 270-851-2 3. Not Available 4. Not Available	< 1	<u>N-(3-tridecylxypropyl)-1,3-propanediamine, branched</u>	Skin Corrosion/Irritation Category 1B, Serious Eye Damage/Eye Irritation Category 1; H314, H318 [1]	Not Available	Not Available
1. 57-55-6 2. 200-338-0 3. Not Available 4. Not Available	< 0.5	<u>propylene glycol</u>	Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2; H315, H319 [1]	Not Available	Not Available
1. 26950-63-0* 2. 500-055-5 3. Not Available 4. Not Available	< 1	<u>triethylenetetramine, propoxylated</u>	Serious Eye Damage/Eye Irritation Category 1, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1; H318, H315, H317 [1]	Not Available	Not Available
1. 112-24-3* 2. 203-950-6 3. 612-059-00-5 4. Not Available	< 1	<u>triethylenetetramine</u>	Serious Eye Damage/Eye Irritation Category 1, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1; H318, H315, H317 [1]	Not Available	Not Available
1. 7727-43-7 2. 231-784-4 3. Not Available 4. Not Available	1 - 10	<u>barium sulfate</u>	Not Applicable	Not Available	Not Available
1. 16389-88-1* 2. 240-440-2 3. Not Available 4. Not Available	< 0.1	<u>Dolomite</u>	Not Applicable	Not Available	Not Available
1. 546-93-0* 2. 208-915-9 3. Not Available 4. Not Available	< 0.1	<u>Magnesite</u>	Not Applicable	Not Available	Not Available
1. 13463-67-7 2. 236-675-5 3. 022-006-00-2 4. Not Available	1 - 5	<u>titanium dioxide</u>	Carcinogenicity Category 2; H351 [2]	Not Available	Not Available

## SECTION 4 First aid measures

## 4.1. Description of first aid measures

<b>Eye Contact</b>	<p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>▶ Wash out immediately with fresh running water.</li> <li>▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>▶ Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
<b>Skin Contact</b>	<p>If skin contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Immediately remove all contaminated clothing, including footwear.</li> <li>▶ Flush skin and hair with running water (and soap if available).</li> <li>▶ Seek medical attention in event of irritation.</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▶ Other measures are usually unnecessary.</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>▶ Immediately give a glass of water.</li> <li>▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

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

See Section 11

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

Treat symptomatically.

## SECTION 5 Firefighting measures

## WaterWeld™ Epoxy Putty

### 5.1. Extinguishing media

- ▶ Foam.
- ▶ Dry chemical powder.
- ▶ BCF (where regulations permit).

### 5.2. Special hazards arising from the substrate or mixture

<b>Fire Incompatibility</b>	▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
-----------------------------	--

### 5.3. Advice for firefighters

<b>Fire Fighting</b>	<ul style="list-style-type: none"> <li>▶ When silica dust is dispersed in air, firefighters should wear inhalation protection as hazardous substances from the fire may be adsorbed on the silica particles.</li> <li>▶ When heated to extreme temperatures, (&gt;1700 deg.C) amorphous silica can fuse.</li> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ Wear breathing apparatus plus protective gloves.</li> <li>▶ Prevent, by any means available, spillage from entering drains or water courses.</li> </ul>
<b>Fire/Explosion Hazard</b>	<ul style="list-style-type: none"> <li>▶ When silica dust is dispersed in air, firefighters should wear inhalation protection as hazardous substances from the fire may be adsorbed on the silica particles.</li> <li>▶ When heated to extreme temperatures, (&gt;1700 deg.C) amorphous silica can fuse.</li> </ul> <p>Combustible. Will burn if ignited.            Combustion products include:            carbon monoxide (CO)            carbon dioxide (CO<sub>2</sub>)            silicon dioxide (SiO<sub>2</sub>)            metal oxides            other pyrolysis products typical of burning organic material.            May emit poisonous fumes.            May emit corrosive fumes.</p>

## SECTION 6 Accidental release measures

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

See section 8

### 6.2. Environmental precautions

See section 12

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

<b>Minor Spills</b>	<ul style="list-style-type: none"> <li>▶ Clean up all spills immediately.</li> <li>▶ Avoid contact with skin and eyes.</li> <li>▶ Wear impervious gloves and safety goggles.</li> </ul>
<b>Major Spills</b>	<p>Minor hazard.</p> <ul style="list-style-type: none"> <li>▶ Clear area of personnel.</li> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> </ul>

### 6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

<b>Safe handling</b>	<ul style="list-style-type: none"> <li>▶ Avoid all personal contact, including inhalation.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> <li>▶ Use in a well-ventilated area.</li> </ul>
<b>Fire and explosion protection</b>	See section 5
<b>Other information</b>	<ul style="list-style-type: none"> <li>▶ Store in original containers.</li> <li>▶ Keep containers securely sealed.</li> <li>▶ Store in a cool, dry, well-ventilated area.</li> </ul>

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

<b>Suitable container</b>	<ul style="list-style-type: none"> <li>▶ Metal can or drum</li> <li>▶ Packaging as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul>
<b>Storage incompatibility</b>	<p>Barium sulfate (barytes)</p> <ul style="list-style-type: none"> <li>▶ reacts violently with dimethyl sulfoxide, sodium acetylide, finely divided carbon, aluminium, magnesium, zirconium, and possibly other active metals, especially at elevated temperatures</li> <li>▶ is incompatible with potassium, phosphorus (ignites when primed with nitrate-calcium silicide)</li> </ul> <p>For frits:</p> <ul style="list-style-type: none"> <li>▶ Avoid storage with hydrogen fluoride/ hydrofluoric acid, oxygen difluoride, manganese trifluoride, fluorine and other fluorine containing compounds, manganese trioxide, chlorates, chlorine trifluoride, chlorine trioxide, strong alkalis, metal oxides, concentrated orthophosphoric acid or vinyl acetate.</li> </ul>

Continued...

## WaterWeld™ Epoxy Putty

	<p>The substance may be or contains a 'metalloid'</p> <p>The following elements are considered to be metalloids; boron, silicon, germanium, arsenic, antimony, tellurium and (possibly) polonium</p> <p>The electronegativities and ionisation energies of the metalloids are between those of the metals and nonmetals, so the metalloids exhibit characteristics of both classes. The reactivity of the metalloids depends on the element with which they are reacting. For example, boron acts as a nonmetal when reacting with sodium yet as a metal when reacting with fluorine.</p> <p>Silicas:</p> <ul style="list-style-type: none"> <li>▶ react with hydrofluoric acid to produce silicon tetrafluoride gas</li> <li>▶ react with xenon hexafluoride to produce explosive xenon trioxide</li> <li>▶ reacts exothermically with oxygen difluoride, and explosively with chlorine trifluoride (these halogenated materials are not commonplace industrial materials) and other fluorine-containing compounds</li> <li>▶ may react with fluorine, chlorates</li> <li>▶ are incompatible with strong oxidisers, manganese trioxide, chlorine trioxide, strong alkalis, metal oxides, concentrated orthophosphoric acid, vinyl acetate</li> <li>▶ may react vigorously when heated with alkali carbonates.</li> <li>▶ Avoid strong acids, bases.</li> <li>▶ Avoid reaction with oxidising agents</li> </ul>
<b>Hazard categories in accordance with Regulation (EC) No 1272/2008</b>	Not Available
<b>Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of</b>	Not Available

**7.3. Specific end use(s)**

See section 1.2

**SECTION 8 Exposure controls / personal protection****8.1. Control parameters**

<b>Ingredient</b>	<b>DNELs Exposure Pattern Worker</b>	<b>PNECs Compartment</b>
4-tert-butylphenyl glycidyl ether	Dermal 1 mg/kg bw/day (Systemic, Chronic) Inhalation 3.5 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 1.6 µg/cm <sup>2</sup> (Local, Chronic) Inhalation 3.5 mg/m <sup>3</sup> (Local, Chronic) Dermal 1 mg/kg bw/day (Systemic, Acute) Inhalation 3.5 mg/m <sup>3</sup> (Systemic, Acute) Dermal 1.6 µg/cm <sup>2</sup> (Local, Acute) Inhalation 3.5 mg/m <sup>3</sup> (Local, Acute) <i>Dermal 0.5 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 1.75 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Dermal 0.95 µg/cm<sup>2</sup> (Local, Chronic) *</i> <i>Inhalation 1.75 mg/m<sup>3</sup> (Local, Chronic) *</i> <i>Dermal 0.5 mg/kg bw/day (Systemic, Acute) *</i> <i>Dermal 0.95 µg/cm<sup>2</sup> (Local, Acute) *</i>	7.5 µg/L (Water (Fresh)) 75 µg/L (Water - Intermittent release) 0.75 µg/L (Water (Marine)) 33.54 mg/kg sediment dw (Sediment (Fresh Water)) 3.354 mg/kg sediment dw (Sediment (Marine)) 11.4 mg/kg soil dw (Soil) 100 mg/L (STP)
Talc	Dermal 43.2 mg/kg bw/day (Systemic, Chronic) Inhalation 2.16 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 4.54 mg/cm <sup>2</sup> (Local, Chronic) Inhalation 3.6 mg/m <sup>3</sup> (Local, Chronic) Inhalation 2.16 mg/m <sup>3</sup> (Systemic, Acute) Inhalation 3.6 mg/m <sup>3</sup> (Local, Acute) <i>Dermal 21.6 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 1.08 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 160 mg/kg bw/day (Systemic, Chronic) *</i> <i>Dermal 2.27 mg/cm<sup>2</sup> (Local, Chronic) *</i> <i>Inhalation 1.8 mg/m<sup>3</sup> (Local, Chronic) *</i> <i>Inhalation 1.08 mg/m<sup>3</sup> (Systemic, Acute) *</i> <i>Oral 160 mg/kg bw/day (Systemic, Acute) *</i> <i>Inhalation 1.8 mg/m<sup>3</sup> (Local, Acute) *</i>	597.97 mg/L (Water (Fresh)) 597.97 mg/L (Water - Intermittent release) 141.26 mg/L (Water (Marine)) 31.33 mg/kg sediment dw (Sediment (Fresh Water)) 3.13 mg/kg sediment dw (Sediment (Marine))
Quartz	Inhalation 40 µg/m <sup>3</sup> (Local, Chronic) <i>Oral 0.03 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 8 µg/m<sup>3</sup> (Local, Chronic) *</i>	Not Available
trimethylolpropane	Dermal 0.94 mg/kg bw/day (Systemic, Chronic) Inhalation 3.3 mg/m <sup>3</sup> (Systemic, Chronic) <i>Dermal 0.34 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 0.58 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 0.34 mg/kg bw/day (Systemic, Chronic) *</i>	Not Available
silica amorphous	Inhalation 0.3 mg/m <sup>3</sup> (Local, Chronic) Inhalation 15 mg/m <sup>3</sup> (Local, Acute) <i>Oral 3.29 mg/kg bw/day (Systemic, Chronic) *</i>	Not Available
propylene glycol	Inhalation 168 mg/m <sup>3</sup> (Systemic, Chronic) Inhalation 10 mg/m <sup>3</sup> (Local, Chronic) <i>Inhalation 50 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Inhalation 10 mg/m<sup>3</sup> (Local, Chronic) *</i>	260 mg/L (Water (Fresh)) 183 mg/L (Water - Intermittent release) 26 mg/L (Water (Marine)) 572 mg/kg sediment dw (Sediment (Fresh Water)) 57.2 mg/kg sediment dw (Sediment (Marine)) 50 mg/kg soil dw (Soil) 20000 mg/L (STP)

## WaterWeld™ Epoxy Putty

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
triethylenetetramine	Dermal 0.57 mg/kg bw/day (Systemic, Chronic) Inhalation 1 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 28 µg/cm <sup>2</sup> (Local, Chronic) Inhalation 5 380 mg/m <sup>3</sup> (Systemic, Acute) <i>Dermal 0.25 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 0.29 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 0.41 mg/kg bw/day (Systemic, Chronic) *</i> <i>Dermal 0.43 mg/cm<sup>2</sup> (Local, Chronic) *</i> <i>Dermal 8 mg/kg bw/day (Systemic, Acute) *</i> <i>Inhalation 1 600 mg/m<sup>3</sup> (Systemic, Acute) *</i> <i>Oral 20 mg/kg bw/day (Systemic, Acute) *</i> <i>Dermal 1 mg/cm<sup>2</sup> (Local, Acute) *</i>	Not Available
barium sulfate	Inhalation 10 mg/m <sup>3</sup> (Systemic, Chronic) Inhalation 10 mg/m <sup>3</sup> (Local, Chronic) <i>Inhalation 10 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 13 000 mg/kg bw/day (Systemic, Chronic) *</i>	115 µg/L (Water (Fresh)) 600.4 mg/kg sediment dw (Sediment (Fresh Water)) 207.7 mg/kg soil dw (Soil) 62.2 mg/L (STP)
Magnesite	Inhalation 6.2 mg/m <sup>3</sup> (Local, Chronic) <i>Oral 7.23 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 0.94 mg/m<sup>3</sup> (Local, Chronic) *</i> <i>Oral 7.23 mg/kg bw/day (Systemic, Acute) *</i> <i>Inhalation 8.63 mg/m<sup>3</sup> (Local, Acute) *</i>	Not Available
titanium dioxide	Inhalation 0.8 mg/m <sup>3</sup> (Local, Chronic) <i>Oral 700 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 28 µg/m<sup>3</sup> (Local, Chronic) *</i>	0.127 mg/L (Water (Fresh)) 0.61 mg/L (Water - Intermittent release) 1 mg/L (Water (Marine)) 1000 mg/kg sediment dw (Sediment (Fresh Water)) 100 mg/kg sediment dw (Sediment (Marine)) 100 mg/kg soil dw (Soil) 100 mg/L (STP)

\* Values for General Population

## Occupational Exposure Limits (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
UK Workplace Exposure Limits (WELs).	Talc	Talc, respirable dust	1 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	Quartz	Silica, respirable crystalline (respirable fraction)	0.1 mg/m <sup>3</sup>	Not Available	Not Available	Carc (where generated as a result of a work process)
UK Workplace Exposure Limits (WELs).	silica amorphous	Silica, fused respirable dust	0.08 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	silica amorphous	Diatomaceous earth, natural, respirable dust	1.2 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	propylene glycol	Propane-1,2-diol: particulates	10 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	propylene glycol	Propane-1,2-diol: total vapour and particulates	150 ppm / 474 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	barium sulfate	Barium sulphate: inhalable dust	10 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	barium sulfate	Barium sulphate: respirable dust	4 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	Magnesite	Magnesite: inhalable dust	10 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	Magnesite	Magnesite: respirable dust	4 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	titanium dioxide	Titanium dioxide: total inhalable	10 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs).	titanium dioxide	Titanium dioxide: respirable	4 mg/m <sup>3</sup>	Not Available	Not Available	Not Available

## Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
bisphenol A diglycidyl ether polymer	90 mg/m <sup>3</sup>	990 mg/m <sup>3</sup>	5,900 mg/m <sup>3</sup>
Quartz	0.075 mg/m <sup>3</sup>	33 mg/m <sup>3</sup>	200 mg/m <sup>3</sup>
silica amorphous	18 mg/m <sup>3</sup>	200 mg/m <sup>3</sup>	1,200 mg/m <sup>3</sup>
silica amorphous	18 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	630 mg/m <sup>3</sup>
silica amorphous	120 mg/m <sup>3</sup>	1,300 mg/m <sup>3</sup>	7,900 mg/m <sup>3</sup>
silica amorphous	45 mg/m <sup>3</sup>	500 mg/m <sup>3</sup>	3,000 mg/m <sup>3</sup>
silica amorphous	18 mg/m <sup>3</sup>	740 mg/m <sup>3</sup>	4,500 mg/m <sup>3</sup>
glass, oxide	15 mg/m <sup>3</sup>	170 mg/m <sup>3</sup>	990 mg/m <sup>3</sup>
propylene glycol	30 mg/m <sup>3</sup>	1,300 mg/m <sup>3</sup>	7,900 mg/m <sup>3</sup>

Continued...

## WaterWeld™ Epoxy Putty


Ingredient	TEEL-1	TEEL-2	TEEL-3
triethylenetetramine	3 ppm	14 ppm	83 ppm
barium sulfate	15 mg/m3	170 mg/m3	990 mg/m3
Magnesite	45 mg/m3	260 mg/m3	1,600 mg/m3
titanium dioxide	30 mg/m3	330 mg/m3	2,000 mg/m3

Ingredient	Original IDLH	Revised IDLH
bisphenol A diglycidyl ether polymer	Not Available	Not Available
4-tert-butylphenyl glycidyl ether	Not Available	Not Available
Talc	1,000 mg/m3	Not Available
Chlorite	Not Available	Not Available
Quartz	25 mg/m3 / 50 mg/m3	Not Available
trimethylolpropane	Not Available	Not Available
silica amorphous	3,000 mg/m3	Not Available
glass, oxide	Not Available	Not Available
nepheline syenite	Not Available	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available	Not Available
N-(3-tridecyloxypropyl)-1,3-propanediamine, branched	Not Available	Not Available
propylene glycol	Not Available	Not Available
triethylenetetramine, propoxylated	Not Available	Not Available
triethylenetetramine	Not Available	Not Available
barium sulfate	Not Available	Not Available
Dolomite	Not Available	Not Available
Magnesite	Not Available	Not Available
titanium dioxide	5,000 mg/m3	Not Available

## Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
bisphenol A diglycidyl ether polymer	E	≤ 0.1 ppm
4-tert-butylphenyl glycidyl ether	E	≤ 0.1 ppm
trimethylolpropane	E	≤ 0.01 mg/m <sup>3</sup>
pentaerythritol, propoxylated, mercaptoglycerol capped	D	> 0.1 to ≤ 1 ppm
triethylenetetramine, propoxylated	E	≤ 0.1 ppm
triethylenetetramine	E	≤ 0.1 ppm
<b>Notes:</b>	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.	

## 8.2. Exposure controls

<b>8.2.1. Appropriate engineering controls</b>	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk.
<b>8.2.2. Individual protection measures, such as personal protective equipment</b>	
<b>Eye and face protection</b>	<ul style="list-style-type: none"> <li>▶ Safety glasses with side shields.</li> <li>▶ Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent]</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.</li> </ul>
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	<ul style="list-style-type: none"> <li>▶ Wear chemical protective gloves, e.g. PVC.</li> <li>▶ Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul> <b>NOTE:</b> <ul style="list-style-type: none"> <li>▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>▶ Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li> </ul>
<b>Body protection</b>	See Other protection below

## WaterWeld™ Epoxy Putty

### Other protection

- ▶ Overalls.
- ▶ P.V.C apron.
- ▶ Barrier cream.

### Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

- ▶ Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- ▶ The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- ▶ Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

### 8.2.3. Environmental exposure controls

See section 12

## SECTION 9 Physical and chemical properties

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

<b>Appearance</b>	White Putty		
<b>Physical state</b>	Non Slump Paste	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	Not Available	<b>Decomposition temperature (°C)</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Available	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water</b>	Immiscible	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available
<b>Nanoform Solubility</b>	Not Available	<b>Nanoform Particle Characteristics</b>	Not Available
<b>Particle Size</b>	Not Available		

### 9.2. Other information

Not Available

## SECTION 10 Stability and reactivity

<b>10.1.Reactivity</b>	See section 7.2
<b>10.2. Chemical stability</b>	Product is considered stable and hazardous polymerisation will not occur.
<b>10.3. Possibility of hazardous reactions</b>	See section 7.2
<b>10.4. Conditions to avoid</b>	See section 7.2
<b>10.5. Incompatible materials</b>	See section 7.2
<b>10.6. Hazardous decomposition products</b>	See section 5.3

## SECTION 11 Toxicological information



## WaterWeld™ Epoxy Putty

## 11.1. Information on toxicological effects

WaterWeld™ Epoxy Putty	<b>TOXICITY</b>	<b>IRRITATION</b>
	Not Available	Not Available

Acute Toxicity	✗	Carcinogenicity	✓
Skin Irritation/Corrosion	✓	Reproductivity	✗
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	✗
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	✗
Mutagenicity	✗	Aspiration Hazard	✗

## 11.2 Information on other hazards

## 11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

## 11.2.2. Other information

See Section 11.1

## SECTION 12 Ecological information

## 12.1. Toxicity

WaterWeld™ Epoxy Putty	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available

bisphenol A diglycidyl ether polymer	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	48h	Crustacea	~2mg/l	2
	EC50(ECx)	24h	Crustacea	3mg/l	Not Available
	LC50	96h	Fish	2.4mg/l	Not Available

4-tert-butylphenyl glycidyl ether	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	~9mg/l	2
	EC50	48h	Crustacea	~67.9mg/l	2
	LC50	96h	Fish	~7.5mg/l	2
	EC50(ECx)	72h	Algae or other aquatic plants	~9mg/l	2

Talc	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	96h	Algae or other aquatic plants	7202.7mg/l	2
	LC50	96h	Fish	89581.016mg/l	2
	NOEC(ECx)	720h	Algae or other aquatic plants	918.089mg/l	2

Chlorite	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available

Quartz	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available

trimethylolpropane	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	BCF	1008h	Fish	0.4-2.6	7
	EC50	72h	Algae or other aquatic plants	>1000mg/l	2
	EC50	48h	Crustacea	10330-16360mg/l	4
	LC50	96h	Fish	>100mg/l	2
	EC0(ECx)	48h	Crustacea	>=102mg/l	1

silica amorphous	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	14.1mg/l	2

Continued...

## WaterWeld™ Epoxy Putty

	EC50	48h	Crustacea	>86mg/l	2
	EC50	96h	Algae or other aquatic plants	217.576mg/l	2
	LC50	96h	Fish	1033.016mg/l	2
	EC0(ECx)	24h	Crustacea	>=10000mg/l	1
glass, oxide	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	>1000mg/l	2
	LC50	96h	Fish	>1000mg/l	2
	NOEC(ECx)	72h	Crustacea	>=1000mg/l	2
nepheline syenite	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	48h	Crustacea	12mg/l	Not Available
	LC50	96h	Fish	87mg/l	Not Available
	EC50(ECx)	48h	Crustacea	12mg/l	Not Available
N-(3-tridecyloxypropyl)-1,3-propanediamine, branched	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	LC50	96h	Fish	0.2mg/l	Not Available
	NOEC(ECx)	96h	Fish	0.07mg/l	Not Available
propylene glycol	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	19300mg/l	2
	EC50	48h	Crustacea	>114.4mg/L	4
	EC50	96h	Algae or other aquatic plants	19000mg/l	2
	LC50	96h	Fish	710mg/l	4
	NOEC(ECx)	336h	Algae or other aquatic plants	<5300mg/l	1
triethylenetetramine, propoxylated	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
triethylenetetramine	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	BCF	1008h	Fish	<0.5	7
	EC50	72h	Algae or other aquatic plants	2.5mg/l	1
	EC50	48h	Crustacea	31.1 mg/l	1
	EC50	96h	Algae or other aquatic plants	3.7mg/l	4
	ErC50	72h	Algae or other aquatic plants	2.5mg/l	1
	LC50	96h	Fish	180mg/l	1
	EC10(ECx)	72h	Algae or other aquatic plants	0.67mg/l	1
barium sulfate	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	>1.15mg/l	2
	EC50	48h	Crustacea	32mg/L	2
	NOEC(ECx)	72h	Algae or other aquatic plants	>=1.15mg/l	2
	LC50	96h	Fish	>3.5mg/l	2
Dolomite	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
Magnesite	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	LC50	96h	Fish	2120mg/l	2
	EC50	72h	Algae or other aquatic plants	>18.5mg/l	2
	NOEC(ECx)	72h	Algae or other aquatic plants	18.5mg/l	2

## WaterWeld™ Epoxy Putty

titanium dioxide	Endpoint	Test Duration (hr)	Species	Value	Source
	BCF	1008h	Fish	<1.1-9.6	7
	EC50	72h	Algae or other aquatic plants	3.75-7.58mg/l	4
	EC50	48h	Crustacea	1.9mg/l	2
	EC50	96h	Algae or other aquatic plants	179.05mg/l	2
	LC50	96h	Fish	1.85-3.06mg/l	4
	NOEC(ECx)	672h	Fish	>=0.004mg/L	2

For Barium and its Compounds:

Environmental Fate: Barium is a highly reactive metal occurring naturally only in a combined state, primarily as inorganic complexes. Conditions such as pH, oxidation-reduction potential, cation exchange capacity, and the presence of sulfate, carbonate, and the presence of metal oxides will affect the partitioning of barium and its compounds in the environment. The element is released to environmental by both natural processes and man-made sources.

Microbial methylation plays important roles in the biogeochemical cycling of the metalloids and possibly in their detoxification. Many microorganisms (bacteria, fungi, and yeasts) and animals are now known to biomethylate arsenic, forming both volatile (e.g., methylarsines) and nonvolatile (e.g., methylarsonic acid and dimethylarsinic acid) compounds. Antimony and bismuth, also undergo biomethylation to some extent.

For Amorphous Silica: Amorphous silica is chemically and biologically inert. It is not biodegradable.

Aquatic Fate: Due to its insolubility in water there is a separation at every filtration and sedimentation process.

For Silica:

Environmental Fate: Most documentation on the fate of silica in the environment concerns dissolved silica, in the aquatic environment, regardless of origin, (man-made or natural), or structure, (crystalline or amorphous).

Terrestrial Fate: Silicon makes up 25.7% of the Earth's crust, by weight, and is the second most abundant element, being exceeded only by oxygen. Silicon is not found free in nature, but occurs chiefly as the oxide and as silicates.

**DO NOT discharge into sewer or waterways.**

## 12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
4-tert-butylphenyl glycidyl ether	HIGH	HIGH
trimethylolpropane	LOW	LOW
silica amorphous	LOW	LOW
propylene glycol	LOW	LOW
triethylenetetramine	LOW	LOW
Magnesite	LOW	LOW
titanium dioxide	HIGH	HIGH

## 12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
4-tert-butylphenyl glycidyl ether	LOW (LogKOW = 3.5231)
trimethylolpropane	LOW (BCF = 16.2)
silica amorphous	LOW (LogKOW = 0.5294)
propylene glycol	LOW (BCF = 1)
triethylenetetramine	LOW (BCF = 5)
Magnesite	LOW (LogKOW = -0.4605)
titanium dioxide	LOW (BCF = 10)

## 12.4. Mobility in soil

Ingredient	Mobility
4-tert-butylphenyl glycidyl ether	LOW (KOC = 293.2)
trimethylolpropane	HIGH (KOC = 1)
silica amorphous	LOW (KOC = 23.74)
propylene glycol	HIGH (KOC = 1)
triethylenetetramine	LOW (KOC = 309.9)
Magnesite	HIGH (KOC = 1)
titanium dioxide	LOW (KOC = 23.74)

## 12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Available	Not Available	Not Available
PBT	✘	✘	✘
vPvB	✘	✘	✘

PBT Criteria fulfilled?

No

vPvB

No

## 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

Continued...

## WaterWeld™ Epoxy Putty

### 12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

## SECTION 13 Disposal considerations

### 13.1. Waste treatment methods

<b>Product / Packaging disposal</b>	<ul style="list-style-type: none"> <li>▶ Containers may still present a chemical hazard/ danger when empty.</li> <li>▶ Return to supplier for reuse/ recycling if possible.</li> </ul> <p>Otherwise:</p> <ul style="list-style-type: none"> <li>▶ If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.</li> <li>▶ <b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>▶ It may be necessary to collect all wash water for treatment before disposal.</li> <li>▶ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>▶ Recycle wherever possible or consult manufacturer for recycling options.</li> <li>▶ Consult State Land Waste Authority for disposal.</li> <li>▶ Bury or incinerate residue at an approved site.</li> </ul>
<b>Waste treatment options</b>	Not Available
<b>Sewage disposal options</b>	Not Available

## SECTION 14 Transport information

<b>HAZCHEM</b>	Not Applicable
----------------	----------------

### Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number or ID number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	Class	Not Applicable
	Subsidiary Hazard	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Hazard identification (Kemler)	Not Applicable
	Classification code	Not Applicable
	Hazard Label	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Tunnel Restriction Code	Not Applicable

### Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	ICAO/IATA Class	Not Applicable
	ICAO / IATA Subsidiary Hazard	Not Applicable
	ERG Code	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions	Not Applicable
	Cargo Only Packing Instructions	Not Applicable
	Cargo Only Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Packing Instructions	Not Applicable
	Passenger and Cargo Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Limited Quantity Packing Instructions	Not Applicable
	Passenger and Cargo Limited Maximum Qty / Pack	Not Applicable

### Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable
14.2. UN proper shipping name	Not Applicable

## WaterWeld™ Epoxy Putty

14.3. Transport hazard class(es)	IMDG Class	Not Applicable
	IMDG Subsidiary Hazard	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	EMS Number	Not Applicable
	Special provisions	Not Applicable
	Limited Quantities	Not Applicable

## Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	Not Applicable	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Classification code	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Equipment required	Not Applicable
	Fire cones number	Not Applicable

## 14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## 14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
bisphenol A diglycidyl ether polymer	Not Available
4-tert-butylphenyl glycidyl ether	Not Available
Talc	Not Available
Chlorite	Not Available
Quartz	Not Available
trimethylolpropane	Not Available
silica amorphous	Not Available
glass, oxide	Not Available
nepheline syenite	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available
N-(3-tridecyloxypropyl)-1,3-propanediamine, branched	Not Available
propylene glycol	Not Available
triethylenetetramine, propoxylated	Not Available
triethylenetetramine	Not Available
barium sulfate	Not Available
Dolomite	Not Available
Magnesite	Not Available
titanium dioxide	Not Available

## 14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
bisphenol A diglycidyl ether polymer	Not Available
4-tert-butylphenyl glycidyl ether	Not Available
Talc	Not Available
Chlorite	Not Available
Quartz	Not Available
trimethylolpropane	Not Available
silica amorphous	Not Available

## WaterWeld™ Epoxy Putty

Product name	Ship Type
glass, oxide	Not Available
nepheline syenite	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available
N-(3-tridecyloxypropyl)-1,3-propanediamine, branched	Not Available
propylene glycol	Not Available
triethylenetetramine, propoxylated	Not Available
triethylenetetramine	Not Available
barium sulfate	Not Available
Dolomite	Not Available
Magnesite	Not Available
titanium dioxide	Not Available

## SECTION 15 Regulatory information

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

**bisphenol A diglycidyl ether polymer is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List  
Great Britain GB mandatory classification and labelling list (GB MCL)

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

**4-tert-butylphenyl glycidyl ether is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List

**Talc is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic  
International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)  
UK Workplace Exposure Limits (WELs).

**Chlorite is found on the following regulatory lists**

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

**Quartz is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans  
UK Workplace Exposure Limits (WELs).

**trimethylolpropane is found on the following regulatory lists**

Not Applicable

**silica amorphous is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List  
Great Britain GB Biocidal Active Substances  
Great Britain GB mandatory classification and labelling (GB MCL) technical reports

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic  
International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)  
UK Workplace Exposure Limits (WELs).

**glass, oxide is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

**nepheline syenite is found on the following regulatory lists**

Not Applicable

**pentaerythritol, propoxylated, mercaptoglycerol capped is found on the following regulatory lists**

Not Applicable

**N-(3-tridecyloxypropyl)-1,3-propanediamine, branched is found on the following regulatory lists**

Not Applicable

**propylene glycol is found on the following regulatory lists**

UK Workplace Exposure Limits (WELs).

**triethylenetetramine, propoxylated is found on the following regulatory lists**

Not Applicable

**triethylenetetramine is found on the following regulatory lists**

Great Britain GB mandatory classification and labelling list (GB MCL)

**barium sulfate is found on the following regulatory lists**

## WaterWeld™ Epoxy Putty

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

UK Workplace Exposure Limits (WELs).

**Dolomite is found on the following regulatory lists**

Not Applicable

**Magnesite is found on the following regulatory lists**

UK Workplace Exposure Limits (WELs).

**titanium dioxide is found on the following regulatory lists**

Chemical Footprint Project - Chemicals of High Concern List

Great Britain GB mandatory classification and labelling list (GB MCL)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

UK Workplace Exposure Limits (WELs).

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

**Information according to 2012/18/EU (Seveso III):**

Seveso Category	Not Available

**15.2. Chemical safety assessment**

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

**National Inventory Status**

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	No (Chlorite; nepheline syenite)
Canada - DSL	No (Chlorite; Dolomite)
Canada - NDSL	No (bisphenol A diglycidyl ether polymer; 4-tert-butylphenyl glycidyl ether; Talc; Chlorite; Quartz; trimethylolpropane; glass, oxide; nepheline syenite; pentaerythritol, propoxylated, mercaptoglycerol capped; N-(3-tridecyloxypropyl)-1,3-propanediamine, branched; propylene glycol; triethylenetetramine, propoxylated; triethylenetetramine; barium sulfate; Magnesite)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (nepheline syenite; pentaerythritol, propoxylated, mercaptoglycerol capped)
Japan - ENCS	No (Chlorite; glass, oxide; nepheline syenite; pentaerythritol, propoxylated, mercaptoglycerol capped; N-(3-tridecyloxypropyl)-1,3-propanediamine, branched; triethylenetetramine, propoxylated; Dolomite)
Korea - KECI	No (nepheline syenite)
New Zealand - NZIoC	Yes
Philippines - PICCS	No (nepheline syenite; triethylenetetramine, propoxylated)
USA - TSCA	No (Chlorite; nepheline syenite)
Taiwan - TCSI	Yes
Mexico - INSQ	No (bisphenol A diglycidyl ether polymer; 4-tert-butylphenyl glycidyl ether; Chlorite; pentaerythritol, propoxylated, mercaptoglycerol capped; N-(3-tridecyloxypropyl)-1,3-propanediamine, branched; triethylenetetramine, propoxylated)
Vietnam - NCI	Yes
Russia - FBEPH	No (4-tert-butylphenyl glycidyl ether; Chlorite; nepheline syenite; pentaerythritol, propoxylated, mercaptoglycerol capped; N-(3-tridecyloxypropyl)-1,3-propanediamine, branched; triethylenetetramine, propoxylated)

**SECTION 16 Other information**

Revision Date	10/25/2023
Initial Date	09/13/2020

**Full text Risk and Hazard codes**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H350	May cause cancer.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**SDS Version Summary**

Version	Date of Update	Sections Updated
14.28	10/24/2023	Hazards identification - Classification, Composition / information on ingredients - Ingredients

**WaterWeld™ Epoxy Putty****Other information**

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]**

<b>Classification according to regulation (EC) No 1272/2008 [CLP] and amendments</b>	<b>Classification Procedure</b>
Skin Corrosion/Irritation Category 2, H315	Minimum classification
Sensitisation (Skin) Category 1B, H317	Calculation method
Serious Eye Damage/Eye Irritation Category 2, H319	Minimum classification
Carcinogenicity Category 2, H351	Calculation method
, EUH211	Calculation method

Powered by AuthorITe, from Chemwatch.