



# KwikWood™ Epoxy Putty

## JRP Distribution Ltd

Version No: 3.7

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

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S.REACH.GB.EN

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

#### 1.1. Product Identifier

Product name	KwikWood™ Epoxy Putty
Synonyms	8257, 8258 (KwikWood™ Epoxy Putty Stick)
Other means of identification	Not Available

#### 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
Address	Unit 10A, Business Park, City Fields Way Tangmere PO20 2FT United Kingdom
Telephone	+44 1903 750355
Fax	903-885-5911
Website	<a href="http://www.jbweld.com">www.jbweld.com</a>
Email	info@jbweld.com

#### 1.4. Emergency telephone number

Association / Organisation	Department of Health & Social Care (DHSC)
Emergency telephone numbers	112
Other emergency telephone numbers	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]	H350i - Carcinogenicity Category 1A, H360Fd - Reproductive Toxicity Category 1A, H315 - Skin Corrosion/Irritation Category 2, H317 - Sensitisation (Skin) Category 1A, H319 - Serious Eye Damage/Eye Irritation Category 2
Legend:	1. Classified by Chemwatch; 2. Classification drawn from GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

#### 2.2. Label elements

Hazard pictogram(s)	
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Signal word	Danger
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#### Hazard statement(s)

H350i	May cause cancer by inhalation.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

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## Supplementary statement(s)

<b>EUH211</b>	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
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## Precautionary statement(s) Prevention

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

## Precautionary statement(s) Response

<b>P308+P313</b>	IF exposed or concerned: Get medical advice/ attention.
<b>P302+P352</b>	IF ON SKIN: Wash with plenty of water and soap.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice/attention.
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention.
<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.

## Precautionary statement(s) Storage

<b>P405</b>	Store locked up.
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## Precautionary statement(s) Disposal

<b>P501</b>	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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## 2.3. Other hazards

Cumulative effects may result following exposure\*.

<b>2-ethylhexanoic acid</b>	Listed in the Europe Regulation (EC) No 1907/2006 - Annex XVII (Restrictions may apply)
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## 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 - 30	<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. 9003-36-5* 2.500-006-8 3.Not Available 4.Not Available	1 - 5	<u>bisphenol F diglycidyl ether copolymer</u>	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1A; H315, H317 [1]	Not Available	Not Available
1. 72244-98-5* 2.Not Available 3.Not Available 4.Not Available	10 - 20	<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. 90-72-2* 2.202-013-9 3.603-069-00-0 4.Not Available	0.1 - 1	<u>2,4,6-tris[(dimethylamino)methyl]phenol</u>	Acute Toxicity (Dermal) Category 4, Corrosive to Metals Category 1, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2; H312, H290, H302, H315, H319 [1]	Not Available	Not Available
1. 149-57-5* 2.205-743-6 3.607-230-00-6 4.Not Available	0.1 - 1	<u>2-ethylhexanoic acid</u>	Acute Toxicity (Dermal) Category 4, Reproductive Toxicity Category 1A, Acute Toxicity (Oral) Category 4, Serious Eye Damage/Eye Irritation Category 2; H312, H360Fd, H302, H319 [1]	Not Available	Not Available
1. 140-31-8* 2.205-411-0 3.612-105-00-4 4.Not Available	0.1 - 1	<u>N-aminoethylpiperazine</u>	Acute Toxicity (Dermal) Category 3, Skin Corrosion/Irritation Category 1B, Corrosive to Metals Category 1, Serious Eye Damage/Eye Irritation Category 1, Acute Toxicity (Oral) Category 4, Sensitisation (Skin) Category 1; H311, H314, H290, H318, H302, H317 [1]	Not Available	Not Available

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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. 112-24-3* 2. 203-950-6 3. 612-059-00-5 4. Not Available	< 0.5	<u>triethylenetetramine</u>	Skin Corrosion/Irritation Category 1C, Acute Toxicity (Dermal) Category 4, Serious Eye Damage/Eye Irritation Category 1, Acute Toxicity (Oral) Category 4, Sensitisation (Skin) Category 1; H314, H312, H318, H302, H317 [1]	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 1A, Acute Toxicity (Inhalation) Category 4, Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2; H350, H332, H315, H319 [1]	Not Available	Not Available
<b>Legend:</b>	1. Classified by Chemwatch; 2. Classification drawn from GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567; 3. Classification drawn from C&L; * EU IOELVs available; [e] Substance identified as having endocrine disrupting properties				

## 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

## 5.1. Extinguishing media

- ▶ There is no restriction on the type of extinguisher which may be used.
- ▶ Use extinguishing media suitable for surrounding area.

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

<b>Fire Incompatibility</b>	None known.
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## 5.3. Advice for firefighters

<b>Fire Fighting</b>	<ul style="list-style-type: none"> <li>▶ Alert Fire Department and tell them location and nature of hazard.</li> <li>▶ Wear breathing apparatus plus protective gloves in the event of a fire.</li> </ul>
<b>Fire/Explosion Hazard</b>	<ul style="list-style-type: none"> <li>▶ Non combustible.</li> <li>▶ Not considered a significant fire risk, however containers may burn.</li> </ul> <p>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>	▶ Clean up all spills immediately.
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	<ul style="list-style-type: none"> <li>▶ Avoid contact with skin and eyes.</li> <li>▶ Wear impervious gloves and safety goggles.</li> </ul>
<b>Major Spills</b>	Minor hazard. <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>▶ Polyethylene or polypropylene container.</li> <li>▶ Packing as recommended by manufacturer.</li> <li>▶ Check all containers are clearly labelled and free from leaks.</li> </ul>
<b>Storage incompatibility</b>	None known
<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>
bisphenol F diglycidyl ether copolymer	Dermal 104.15 mg/kg bw/day (Systemic, Chronic) Inhalation 29.39 mg/m <sup>3</sup> (Systemic, Chronic) <i>Dermal 62.5 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 8.7 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 6.25 mg/kg bw/day (Systemic, Chronic) *</i>	Not Available
2,4,6-tris[[dimethylamino)methyl]phenol	Dermal 0.15 mg/kg bw/day (Systemic, Chronic) Inhalation 0.53 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 0.6 mg/kg bw/day (Systemic, Acute) Inhalation 2.1 mg/m <sup>3</sup> (Systemic, Acute) <i>Dermal 0.075 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 0.13 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 0.075 mg/kg bw/day (Systemic, Chronic) *</i> <i>Dermal 0.075 mg/kg bw/day (Systemic, Acute) *</i> <i>Inhalation 0.13 mg/m<sup>3</sup> (Systemic, Acute) *</i>	0.046 mg/L (Water (Fresh)) 0.46 mg/L (Water - Intermittent release) 0.005 mg/L (Water (Marine)) 0.262 mg/kg sediment dw (Sediment (Fresh Water)) 0.026 mg/kg sediment dw (Sediment (Marine)) 0.025 mg/kg soil dw (Soil) 0.2 mg/L (STP)
2-ethylhexanoic acid	Dermal 2 mg/kg bw/day (Systemic, Chronic) Inhalation 14 mg/m <sup>3</sup> (Systemic, Chronic) Dermal 300 mg/kg bw/day (Systemic, Acute) Inhalation 105.79 mg/m <sup>3</sup> (Systemic, Acute) <i>Dermal 1 mg/kg bw/day (Systemic, Chronic) *</i> <i>Inhalation 3.5 mg/m<sup>3</sup> (Systemic, Chronic) *</i> <i>Oral 1 mg/kg bw/day (Systemic, Chronic) *</i> <i>Dermal 150 mg/kg bw/day (Systemic, Acute) *</i> <i>Inhalation 26.01 mg/m<sup>3</sup> (Systemic, Acute) *</i> <i>Oral 15 mg/kg bw/day (Systemic, Acute) *</i>	72 mg/L (STP)
N-aminoethylpiperazine	Dermal 3.33 mg/kg bw/day (Systemic, Chronic) Inhalation 10.6 mg/m <sup>3</sup> (Systemic, Chronic) Inhalation 15 µg/m <sup>3</sup> (Local, Chronic) Inhalation 10.6 mg/m <sup>3</sup> (Systemic, Acute) Inhalation 80 µg/m <sup>3</sup> (Local, Acute)	0.058 mg/L (Water (Fresh)) 0.58 mg/L (Water - Intermittent release) 0.006 mg/L (Water (Marine)) 215 mg/kg sediment dw (Sediment (Fresh Water)) 21.5 mg/kg sediment dw (Sediment (Marine)) 1 mg/kg soil dw (Soil) 250 mg/L (STP)

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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
titanium dioxide	Inhalation 0.8 mg/m <sup>3</sup> (Local, Chronic) <i>Inhalation 28 µg/m<sup>3</sup> (Local, Chronic) *</i>	Not Available

\* Values for General Population

## Occupational Exposure Limits (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
UK Workplace Exposure Limits (WELs).	titanium dioxide	Titanium dioxide: respirable	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

## 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>
2,4,6-tris[(dimethylamino)methyl]phenol	6.5 mg/m <sup>3</sup>	72 mg/m <sup>3</sup>	430 mg/m <sup>3</sup>
2-ethylhexanoic acid	15 mg/m <sup>3</sup>	99 mg/m <sup>3</sup>	590 mg/m <sup>3</sup>
N-aminoethylpiperazine	6.4 mg/m <sup>3</sup>	71 mg/m <sup>3</sup>	420 mg/m <sup>3</sup>
triethylenetetramine	3 ppm	14 ppm	83 ppm
titanium dioxide	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2,000 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
bisphenol A diglycidyl ether polymer	Not Available	Not Available
bisphenol F diglycidyl ether copolymer	Not Available	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available	Not Available
2,4,6-tris[(dimethylamino)methyl]phenol	Not Available	Not Available
2-ethylhexanoic acid	Not Available	Not Available
N-aminoethylpiperazine	Not Available	Not Available
triethylenetetramine	Not Available	Not Available
titanium dioxide	5,000 mg/m <sup>3</sup>	Not Available

## Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
bisphenol A diglycidyl ether polymer	E	≤ 0.1 ppm
bisphenol F diglycidyl ether copolymer	E	≤ 0.1 ppm
pentaerythritol, propoxylated, mercaptoglycerol capped	D	> 0.1 to ≤ 1 ppm
2,4,6-tris[(dimethylamino)methyl]phenol	E	≤ 0.1 ppm
2-ethylhexanoic acid	E	≤ 0.1 ppm
N-aminoethylpiperazine	E	≤ 0.1 ppm
triethylenetetramine	E	≤ 0.1 ppm

## Notes:

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

## 8.2.1. Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can

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	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> <p><b>NOTE:</b></p> <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
<b>Other protection</b>	<ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ P.V.C apron.</li> <li>▶ Barrier cream.</li> </ul>

**Respiratory protection**

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

**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>	Brown Putty		
<b>Physical state</b>	Non Slump Paste	<b>Relative density (Water = 1)</b>	Not Available
<b>Odor</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>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

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## SECTION 10 Stability and reactivity

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

## SECTION 11 Toxicological information

## 11.1. Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	This material can cause eye irritation and damage in some persons.
Chronic	Studies show that inhaling this substance for over a long period (e.g. in an occupational setting) may increase the risk of cancer. Repeated or long-term occupational exposure is likely to produce cumulative health effects involving organs or biochemical systems. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Ample evidence exists that this material directly causes reduced fertility

KwikWood Stick	<b>TOXICITY</b>	<b>IRRITATION</b>
	Not Available	Not Available
bisphenol A diglycidyl ether polymer	<b>TOXICITY</b>	<b>IRRITATION</b>
	dermal (rat) LD50: >1200 mg/kg <sup>[2]</sup> Oral (Mouse) LD50; >500 mg/kg <sup>[2]</sup>	Not Available
bisphenol F diglycidyl ether copolymer	<b>TOXICITY</b>	<b>IRRITATION</b>
	dermal (rat) LD50: >400 mg/kg <sup>[2]</sup> Oral (Rat) LD50: >5000 mg/kg <sup>[2]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup> Skin: adverse effect observed (irritating) <sup>[1]</sup>
pentaerythritol, propoxylated, mercaptoglycerol capped	<b>TOXICITY</b>	<b>IRRITATION</b>
	Dermal (rabbit) LD50: >10200 mg/kg * <sup>[2]</sup> Inhalation(Rat) LC50: >100 mg/m <sup>3</sup> * <sup>[2]</sup> Oral (Rat) LD50: 2600 mg/kg * <sup>[2]</sup>	Not Available
2,4,6-tris[[dimethylamino)methyl]phenol	<b>TOXICITY</b>	<b>IRRITATION</b>
	Dermal (rabbit) LD50: 1280 mg/kg <sup>[2]</sup> Inhalation(Rat) LC50: >0.5 mg/l/1 hr. <sup>[2]</sup>	Eye (rabbit): 0.05 mg/24h - SEVERE Eye: adverse effect observed (irreversible damage) <sup>[1]</sup>
	Oral (Rat) LD50: 1200 mg/kg <sup>[2]</sup>	Skin (rabbit): 2 mg/24h - SEVERE
	Oral (Rat) LD50: 2500 mg/kg * <sup>[2]</sup>	Skin: adverse effect observed (corrosive) <sup>[1]</sup>
2-ethylhexanoic acid	<b>TOXICITY</b>	<b>IRRITATION</b>
	Dermal (rabbit) LD50: 1260 mg/kg <sup>[2]</sup> Oral (Rat) LD50: 3000 mg/kg <sup>[2]</sup>	Eye (rabbit): 4.5 mg SEVERE Skin (rabbit): 10 mg/24h mild

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		Skin (rabbit): 450 mg open mild
N-aminoethylpiperazine	<b>TOXICITY</b>	<b>IRRITATION</b>
	Dermal (rabbit) LD50: 880 mg/kg <sup>[2]</sup>	Eye (rabbit): 20 mg/24h - mod
	Intraperitoneal (Mouse) LD50: 250 mg/kg <sup>[2]</sup>	Eye: adverse effect observed (irritating) <sup>[1]</sup>
	Oral (Rat) LD50: 2410 mg/kg <sup>[2]</sup>	Skin (rabbit): 0.1 mg/24h - mild
		Skin (rabbit): 5 mg/24h - SEVERE
		Skin: adverse effect observed (corrosive) <sup>[1]</sup>
triethylenetetramine	<b>TOXICITY</b>	<b>IRRITATION</b>
	Dermal (rabbit) LD50: 805 mg/kg <sup>[2]</sup>	Not Available
	Oral (Rat) LD50: 1591.4 mg/kg <sup>[1]</sup>	
titanium dioxide	<b>TOXICITY</b>	<b>IRRITATION</b>
	Inhalation (Rat)TCLo: 0.04 mg/kg <sup>[2]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>
	Oral (Mouse)LD50; >10000 mg/kg * <sup>[2]</sup>	Skin (human): 0.3 mg /3D (int)-mild *
	Oral (Mouse)TDL0: 0.0032 mg/kg <sup>[2]</sup>	Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
	Oral (Rat)LD50: >20000 mg/kg * <sup>[2]</sup>	
	Oral (Rat)TDL0: 60000 mg/kg <sup>[2]</sup>	
<b>Legend:</b>	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

pentaerythritol, propoxylated, mercaptoglycerol capped	<p>Polyethers (such as ethoxylated surfactants and polyethylene glycols) are highly susceptible to being oxidized in the air. They then form complex mixtures of oxidation products.</p> <p>Animal testing reveals that whole the pure, non-oxidised surfactant is non-sensitizing, many of the oxidation products are sensitizers. The oxidation products also cause irritation.</p> <p>Both the vitro skin corrosion test and the vivo skin irritation study did not show significant irritating properties A reliable in vivo eye irritation in rabbit is available, demonstrating no significant eye irritating properties. In a LLNA study it was shown that the material could elicit a SI =3. Based on this result, the material needs to be classified as a skin sensitizer, according to Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures. A 90-day oral gavage study in rats was performed according to GLP and OECD 408 (1998). Based on decreased platelet count and increased incidence of follicular hypertrophy/hyperplasia in the thyroid glands in males at 250 mg/kg bw/d and above, the NOAEL was set at 75 mg/kg bw/d. Based on the available data on genetic toxicity, the substance needs not to be classified for genotoxicity according to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixture * REACH Dossier</p>
2,4,6-tris[[dimethylamino)methyl]phenol	<p>Overexposure to most of these materials may cause adverse health effects.</p> <p>Many amine-based compounds can cause release of histamines, which, in turn, can trigger allergic and other physiological effects, including constriction of the bronchi or asthma and inflammation of the cavity of the nose. Whole-body symptoms include headache, nausea, faintness, anxiety, a decrease in blood pressure, rapid heartbeat, itching, reddening of the skin, urticaria (hives) and swelling of the face, which are usually transient.</p> <p>There are generally four routes of possible or potential exposure: inhalation, skin contact, eye contact, and swallowing.</p> <p>Inhalation: Inhaling vapours may result in moderate to severe irritation of the tissues of the nose and throat and can irritate the lungs. Higher concentrations of certain amines can produce severe respiratory irritation, characterized by discharge from the nose, coughing, difficulty in breathing and chest pain.</p>
N-aminoethylpiperazine	<p>for piperazine: Exposure to piperazine and its salts has clearly been demonstrated to cause asthma in occupational settings. No NOAEL can be estimated for respiratory sensitisation (asthma). Although the LD50 levels indicate a relatively low level of oral acute toxicity (LD50 1-5 g/kg bw), signs of neurotoxicity may appear in humans after exposure to lower doses. Based on exposure levels of up to 3.4 mg/kg/day piperazine base and a LOAEL of 110 mg/kg, there is no concern for acute toxicity In pigs, piperazine is readily absorbed from the gastrointestinal tract, and the major part of the resorbed compound is excreted as unchanged piperazine during the first 48 hours. Ethyleneamines are very reactive and can cause chemical burns, skin rashes and asthma-like symptoms. It is readily absorbed through the skin and may cause eye blindness and irreparable damage. As such, they require careful handling.</p>
titanium dioxide	<p>* IUCLID Laboratory (in vitro) and animal studies show, exposure to the material may result in a possible risk of irreversible effects, with the possibility of producing mutation. Exposure to titanium dioxide is via inhalation, swallowing or skin contact. When inhaled, it may deposit in lung tissue and lymph nodes causing dysfunction of the lungs and immune system. Absorption by the stomach and intestines depends on the size of the particle.</p> <p><b>WARNING:</b> This substance has been classified by the IARC as Group 2B: Possibly Carcinogenic to Humans.</p>
KwikWood Stick & pentaerythritol, propoxylated, mercaptoglycerol capped & N-aminoethylpiperazine	<p>The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type.</p>
pentaerythritol, propoxylated, mercaptoglycerol capped & 2,4,6-tris[[dimethylamino)methyl]phenol & 2-ethylhexanoic acid & N-aminoethylpiperazine & titanium dioxide	<p>Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant.</p>



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2,4,6-tris[(dimethylamino)methyl]phenol & titanium dioxide	No significant acute toxicological data identified in literature search.
2,4,6-tris[(dimethylamino)methyl]phenol & 2-ethylhexanoic acid	The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.
2,4,6-tris[(dimethylamino)methyl]phenol & N-aminoethylpiperazine	The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration.
2-ethylhexanoic acid & titanium dioxide	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.
N-aminoethylpiperazine & titanium dioxide	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

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

Legend: ✗ – Data either not available or does not fill the criteria for classification  
 ✓ – Data available to make classification

## 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

KwikWood Stick	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available

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

bisphenol F diglycidyl ether copolymer	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available

pentaerythritol, propoxylated, mercaptoglycerol capped	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	12mg/l	Not Available
	LC50	96h	Fish	87mg/l	Not Available
	EC50(ECx)	48h	Crustacea	12mg/l	Not Available

2,4,6-tris[(dimethylamino)methyl]phenol	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	2.8mg/l	2
	EC50	48h	Crustacea	>100mg/l	2
	EC50(ECx)	24h	Crustacea	280mg/l	Not Available
	LC50	96h	Fish	1000mg/l	Not Available

2-ethylhexanoic acid	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	49.3mg/l	2
	EC50	48h	Crustacea	85.4mg/l	1
	EC50	96h	Algae or other aquatic plants	41mg/l	1
	LC50	96h	Fish	>100mg/l	2
	NOEC(ECx)	24h	Fish	14.424mg/L	4

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N-aminoethylpiperazine	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	495mg/l	1
	EC50	48h	Crustacea	32mg/l	1
	LC50	96h	Fish	>100mg/l	2
	NOEC(ECx)	48h	Crustacea	18mg/l	1

triethylenetetramine	Endpoint	Test Duration (hr)	Species	Value	Source
	BCF	1008h	Fish	<0.5	7
	EC50	72h	Algae or other aquatic plants	2.5mg/l	1
	EC50	48h	Crustacea	31.1mg/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

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

**Legend:** Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

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

## 12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
2,4,6-tris[(dimethylamino)methyl]phenol	HIGH	HIGH
2-ethylhexanoic acid	LOW	LOW
N-aminoethylpiperazine	HIGH	HIGH
triethylenetetramine	LOW	LOW
titanium dioxide	HIGH	HIGH

## 12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
2,4,6-tris[(dimethylamino)methyl]phenol	LOW (LogKOW = 0.773)
2-ethylhexanoic acid	LOW (LogKOW = 2.64)
N-aminoethylpiperazine	LOW (LogKOW = -1.5677)
triethylenetetramine	LOW (BCF = 5)
titanium dioxide	LOW (BCF = 10)

## 12.4. Mobility in soil

Ingredient	Mobility
2,4,6-tris[(dimethylamino)methyl]phenol	LOW (KOC = 15130)
2-ethylhexanoic acid	LOW (KOC = 24.06)
N-aminoethylpiperazine	LOW (KOC = 171.7)
triethylenetetramine	LOW (KOC = 309.9)
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	✘	✘	✘

Continued...

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PBT Criteria fulfilled?	No
vPvB	No

**12.6. Endocrine disrupting properties**

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

**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>▶ Recycle wherever possible or consult manufacturer for recycling options.</li> <li>▶ Consult State Land Waste Management Authority for disposal.</li> <li>▶ Bury residue in an authorised landfill.</li> </ul>
<b>Waste treatment options</b>	Not Available
<b>Sewage disposal options</b>	Not Available

**SECTION 14 Transport information**

<b>Note:</b>	For inner packagings not over 5L as manufactured and supplied by J-B Weld, the following exceptions apply: DOT - 49CFR §173.155 (b); IMDG - §2.10.2.7; IATA - Special Provision A197 For non-exempt packagings, the proper shipping name is UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN), 9, PGIII
<b>HAZCHEM</b>	Not Applicable

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

<b>14.1. UN number or ID number</b>	Not Applicable	
<b>14.2. UN proper shipping name</b>	Not Applicable	
<b>14.3. Transport hazard class(es)</b>	Class	Not Applicable
	Subsidiary Hazard	Not Applicable
<b>14.4. Packing group</b>	Not Applicable	
<b>14.5. Environmental hazard</b>	Not Applicable	
<b>14.6. Special precautions for user</b>	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**

<b>14.1. UN number</b>	Not Applicable	
<b>14.2. UN proper shipping name</b>	Not Applicable	
<b>14.3. Transport hazard class(es)</b>	ICAO/IATA Class	Not Applicable
	ICAO / IATA Subsidiary Hazard	Not Applicable
	ERG Code	Not Applicable
<b>14.4. Packing group</b>	Not Applicable	
<b>14.5. Environmental hazard</b>	Not Applicable	
<b>14.6. Special precautions for user</b>	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

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	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	
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
bisphenol F diglycidyl ether copolymer	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available
2,4,6-tris[(dimethylamino)methyl]phenol	Not Available
2-ethylhexanoic acid	Not Available
N-aminoethylpiperazine	Not Available
triethylenetetramine	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
bisphenol F diglycidyl ether copolymer	Not Available
pentaerythritol, propoxylated, mercaptoglycerol capped	Not Available
2,4,6-tris[(dimethylamino)methyl]phenol	Not Available
2-ethylhexanoic acid	Not Available
N-aminoethylpiperazine	Not Available
triethylenetetramine	Not Available
titanium dioxide	Not Available

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## 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)

## bisphenol F diglycidyl ether copolymer is found on the following regulatory lists

Not Applicable

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

Not Applicable

## 2,4,6-tris(dimethylamino)methylphenol is found on the following regulatory lists

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

## 2-ethylhexanoic acid is found on the following regulatory lists

Great Britain GB mandatory classification and labelling (GB MCL) technical reports

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

## N-aminoethylpiperazine is found on the following regulatory lists

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

## triethylenetetramine is found on the following regulatory lists

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

## 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	Yes
Canada - DSL	Yes
Canada - NDSL	No (bisphenol A diglycidyl ether polymer; bisphenol F diglycidyl ether copolymer; pentaerythritol, propoxylated, mercaptoglycerol capped; 2,4,6-tris(dimethylamino)methylphenol; 2-ethylhexanoic acid; N-aminoethylpiperazine; triethylenetetramine; titanium dioxide)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (pentaerythritol, propoxylated, mercaptoglycerol capped)
Japan - ENCS	No (pentaerythritol, propoxylated, mercaptoglycerol capped)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	No (bisphenol A diglycidyl ether polymer; pentaerythritol, propoxylated, mercaptoglycerol capped)
Vietnam - NCI	Yes
Russia - FBEPH	No (pentaerythritol, propoxylated, mercaptoglycerol capped)
<b>Legend:</b>	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

## SECTION 16 Other information

Revision Date	02/20/2023
Initial Date	09/22/2020

## Full text Risk and Hazard codes

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.

Continued...

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H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

## SDS Version Summary

Version	Date of Update	Sections Updated
2.7	02/19/2023	Toxicological information - Chronic Health, Composition / information on ingredients - Ingredients

## 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]

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	Classification Procedure
Carcinogenicity Category 1A, H350i	Calculation method
Reproductive Toxicity Category 1A, H360Fd	Calculation method
Skin Corrosion/Irritation Category 2, H315	Minimum classification
Sensitisation (Skin) Category 1A, H317	Calculation method
Serious Eye Damage/Eye Irritation Category 2, H319	Minimum classification
, EUH211	Calculation method

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