# SAFETY DATA SHEET
# QUICK REPAIR

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

### 1.1. Product identifier

**Product name** QUICK REPAIR

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

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

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

**Supplier**

Cyanotec Ltd
Bay 2 Building 62 Third Avenue
Pensnett Trading Estate
Kingswinford
DY6 7XT, UK
Tel: +44 (0)1384 294753
Fax: +44 (0)1384 297908

**Web** www.cyanotec.com

**Contact person** Tim- tim@cyanotec.com

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) (Mon - Thur 08:40 - 16:55) (Fri 08:40 – 14:25)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Chronic 3 - H412

**Human health** May cause skin sensitisation or allergic reactions in sensitive individuals.

### 2.2. Label elements

**Pictogram**

**Signal word** Warning

**Hazard statements**

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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|---|---|
| **Precautionary statements** | P273 Avoid release to the environment.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.<br>P501 Dispose of contents/ container in accordance with national regulations. |
| **Contains** | EPOXY RESIN (Number average MW <= 700 ), POLY[OXY(METHYL-1,2-ETHANEDIYL)], A-HYDRO-ω-HYDROXY-, ETHER WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL (4:1), 2-HYDROXY-3-MERCAPTOPROPYL ETHER |
| **Supplementary precautionary statements** | P264 Wash contaminated skin thoroughly after handling.<br>P337+P313 If eye irritation persists: Get medical advice/ attention.<br>P362+P364 Take off contaminated clothing and wash it before reuse. |

**2.3. Other hazards**

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**TALC** **20-50%**

CAS number: 14807-96-6 | EC number: 238-877-9 | REACH registration number: 01-2120140278-58

| **Classification** | **Classification (67/548/EEC or 1999/45/EC)** |
|---|---|
| Not Classified | - |

**AMORPHOUS SODA LIME GLASS** **10-20%**

CAS number: 65997-17-3 | EC number: 266-046-0 | REACH registration number: 01-2119990048-30

| **Classification** | **Classification (67/548/EEC or 1999/45/EC)** |
|---|---|
| Not Classified | - |

**EPOXY RESIN (Number average MW <= 700 )** **10-20%**

CAS number: 25068-38-6 | EC number: 500-033-5 | REACH registration number: 01-2119456619-26

**Classification**
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317
Aquatic Chronic 2 - H411

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| | | | |
|---|---|---|---|
| **POLY[OXY(METHYL-1,2-ETHANEDIYL)], A-HYDRO-ω-HYDROXY-, ETHER WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL (4:1), 2-HYDROXY-3-MERCAPTOPROPYL ETHER** | | | **10-20%** |
| CAS number: 72244-98-5 | EC number: 615-735-8 | REACH registration number: 01-2120118957-46 | |
| **Classification**<br>Skin Sens. 1B - H317<br>Aquatic Chronic 3 - H412 | | | |

| | | | |
|---|---|---|---|
| **2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL** | | | **1-5%** |
| CAS number: 90-72-2 | EC number: 202-013-9 | REACH registration number: 01-2119560597-27 | |
| **Classification**<br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319 | | | |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

**Ingestion** DO NOT induce vomiting. Get medical attention immediately.

**Skin contact** Wash skin thoroughly with soap and water.

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

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

**Inhalation** No specific symptoms known.

**Ingestion** May cause discomfort.

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

**Eye contact** Irritating to eyes.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.

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

**Specific hazards** No unusual fire or explosion hazards noted.

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|---|---|
| **Hazardous combustion products** | Oxides of carbon. Oxides of nitrogen. |

**5.3. Advice for firefighters**

| | |
|---|---|
| **Protective actions during firefighting** | No specific firefighting precautions known. |
| **Special protective equipment for firefighters** | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin. Avoid contact with eyes.

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

**Storage precautions** No special storage precautions required.

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

**TALC**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ respirable dust

**AMORPHOUS SODA LIME GLASS**

Long-term exposure limit (8-hour TWA): 5 mg/m³ dust
WEL = Workplace Exposure Limit

**EPOXY RESIN (Number average MW <= 700 ) (CAS: 25068-38-6)**

| | |
|---|---|
| **DNEL** | Industry - Inhalation; Long term systemic effects: 12.25 mg/m³<br>Industry - Inhalation; Short term systemic effects: 12.25 mg/m³<br>Industry - Dermal; Long term systemic effects: 8.33 mg/kg/day<br>Industry - Dermal; Short term systemic effects: 8.33 mg/kg/day<br>REACH dossier information |

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**PNEC**
- Fresh water; 0.006 mg/l
- Marine water; 0.0006 mg/l
- Intermittent release; 0.018 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 0.996 mg/kg
- Sediment (Marinewater); 0.0996 mg/kg
- Soil; 0.196 mg/kg

REACH dossier information

**2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL (CAS: 90-72-2)**

**DNEL**
Industry - Inhalation; Long term systemic effects: 0.31 mg/m³
Industry - Dermal; Long term systemic effects: 0.2 mg/kg/day

**PNEC**
- Intermittent release; 0.84 mg/l
- Marine water; 0.0084 mg/l
- Fresh water; 0.084 mg/l
- STP; 0.2 mg/l

### 8.2. Exposure controls

**Protective equipment**

**Appropriate engineering controls** No specific ventilation requirements.

**Eye/face protection** Wear eye protection.

**Hand protection** Wear protective gloves.

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

**Respiratory protection** No specific recommendations.

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

## SECTION 9: Physical and Chemical Properties

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

**Appearance** Solid. Coloured paste.

**Colour** Off-white. Grey.

**Odour** Characteristic. Sulphur.

**Odour threshold** Not determined.

**pH** Not applicable.

**Melting point** Not applicable.

**Initial boiling point and range** >35°C @ 760 mm Hg

**Flash point** >100°C

**Evaporation rate** Not applicable.

**Evaporation factor** Not applicable.

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| | |
|---|---|
| **Flammability (solid, gas)** | Not determined. |
| **Upper/lower flammability or explosive limits** | Not determined. |
| **Vapour pressure** | <500 Pa @ 20°C |
| **Vapour density** | Not applicable. |
| **Relative density** | ~ 1.95 |
| **Bulk density** | Not applicable. |
| **Solubility(ies)** | Insoluble in water |
| **Partition coefficient** | Not determined. |
| **Auto-ignition temperature** | Not determined. |
| **Decomposition Temperature** | Not determined. |
| **Viscosity** | Not applicable. |
| **Explosive properties** | Not applicable. |

**9.2. Other information**

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid contact with the following materials: Acids.

**10.5. Incompatible materials**

**Materials to avoid** Acids. Amines.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Oxides of carbon. Oxides of nitrogen.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute toxicity - oral**

**ATE oral (mg/kg)** 20,833.33

**Skin sensitisation**

**Skin sensitisation** Sensitising.

| | |
|---|---|
| **Ingestion** | May cause discomfort. |
| **Skin contact** | Irritating to skin. May cause sensitisation by skin contact. |
| **Eye contact** | Irritation of eyes and mucous membranes. |
| **Route of exposure** | Skin and/or eye contact. |

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**Toxicological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

| | |
|---|---|
| **Acute toxicity - oral** | |
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 11,400.0 |
| **Species** | Rat |
| **Acute toxicity - dermal** | |
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 1,200.0 |
| **Species** | Rat |

**2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL**

| | |
|---|---|
| **Acute toxicity - oral** | |
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 2,169.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 500.0 |
| **Acute toxicity - dermal** | |
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 1.0 |
| **Species** | Rat |

## SECTION 12: Ecological Information

**12.1. Toxicity**

**Ecological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

| | |
|---|---|
| **Acute aquatic toxicity** | |
| **Acute toxicity - fish** | LC50, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 1.8 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | $EC_{50}$, 72 hours: 11 mg/l, Freshwater algae<br>$EC_{50}$, 96 hours: 220 mg/l, Scenedesmus subspicatus |
| **Chronic aquatic toxicity** | |
| **Chronic toxicity - aquatic invertebrates** | NOEC, 21 days: 0.3 mg/l, Daphnia magna |

**2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL**

| | |
|---|---|
| **Acute aquatic toxicity** | |
| **Acute toxicity - fish** | LC50, 96 hours: 180 - 240 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>LC50, 96 hours: 175 mg/l, Cyprinus carpio (Common carp) |

**12.2. Persistence and degradability**

# CELMEND REPAIR

**Persistence and degradability** The product is not biodegradable.

**Ecological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

**Biodegradation** - 12% Degradation (%): 28 days

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

**Bioaccumulative potential** May accumulate in soil and water systems. BCF: 100 - 3000,

**Partition coefficient** log Pow: 3.242 Estimated Value

**12.4. Mobility in soil**

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

**Ecological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

**Mobility** Semi-mobile.

**Adsorption/desorption coefficient** Water - Koc: 1800 - 4400 @ 25°C Estimated Value

**Henry's law constant** 4.93E-05 Pa m3/mol @ 25°C

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients.**

**EPOXY RESIN (Number average MW <= 700 )**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**12.6. Other adverse effects**

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

# CELMEND REPAIR

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

| | |
|---|---|
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not applicable. |

## SECTION 15: Regulatory information

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

| | |
|---|---|
| **EU legislation** | (EU) No 2015/830 |
| **Guidance** | Workplace Exposure Limits EH40. |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

| | |
|---|---|
| **Revision comments** | NOTE: Lines within the margin indicate significant changes from the previous revision. |
| **Revision date** | 15/05/2018 |
| **Version number** | 1.002 |
| **Supersedes date** | 12/02/2018 |
| **SDS number** | 20652 |
| **Hazard statements in full** | H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H411 Toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects. |