



**SAFETY DATA SHEET**  
**Ultibed Kerb Repair - powder component**  
According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

**1.1. Product identifier**

**Product name** Ultibed Kerb Repair - powder component

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

**Identified uses** Polymer modified kerb repair mortar

**Uses advised against** No specific uses advised against are identified.

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

**Supplier**  
Tarmac Building Products Ltd  
i10 Interchange  
Railway Drive  
Wolverhampton  
WV1 1LH  
Telephone: 03444 63 64 65  
pozament@tarmacbp.co.uk

**1.4. Emergency telephone number**

**Emergency telephone** 03444 63 00 46 (Office Hours)

**SECTION 2: Hazards identification**

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

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified  
**Health hazards** Eye Dam. 1 - H318 Skin Sens. 1 - H317  
**Environmental hazards** Not Classified

**2.2. Label elements**

**Pictogram**



**Signal word** Danger

**Hazard statements** H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	Cement, portland, chemicals
<b>Supplementary precautionary statements</b>	<p>P261 Avoid breathing dust.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>Calcium carbonate</b> <span style="float: right;">25 - &lt;50%</span> CAS number: 471-34-1                      EC number: 207-439-9 Substance with National workplace exposure limits.
<b>Classification</b> Not Classified
<b>Cement, alumina, chemicals</b> <span style="float: right;">10 - &lt;25%</span> CAS number: 65997-16-2                      EC number: 266-045-5
<b>Classification</b> Eye Irrit. 2 - H319
<b>Cement, portland, chemicals</b> <span style="float: right;">5 - &lt;10%</span> CAS number: 65997-15-1                      EC number: 266-043-4
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335
<b>Calcium dihydroxide</b> <span style="float: right;">0.5 - &lt;1%</span> CAS number: 1305-62-0                      EC number: 215-137-3                      REACH registration number: 01-2119475151-45-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335

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<b>Crystalline Silica</b> CAS number: 1317-95-9	0.25 - <0.5%
<b>Classification</b> STOT RE 1 - H372	
<b>Calcium dihydroxide</b> CAS number: 1305-62-0                      EC number: 215-137-3	0.025 - <0.25%
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
<b>Skin contact</b>	Brush off loose particles from skin. It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
<b>Ingestion</b>	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.
<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
<b>Eye contact</b>	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

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

**Notes for the doctor**                      Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**      The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**      Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards**                              None known.

**Hazardous combustion products**      Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting**      Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters**      Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### 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. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapours. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

#### 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**                      Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Neutralise with acid. Caution. May generate heat. Following dilution and neutralisation, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections**      For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

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

**Storage precautions** Store locked up. Store away from the following materials: Acids. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class** Acid-reactive storage.

#### 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

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Calcium carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Cement, portland, chemicals

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### Calcium dihydroxide

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

##### Crystalline Silica

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> respirable dust

##### Calcium dihydroxide

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Calcium dihydroxide (CAS: 1305-62-0)

#### DNEL

Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 4 mg/m<sup>3</sup>

General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

General population - Inhalation; Short term local effects: 4 mg/m<sup>3</sup>



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PNEC

- Fresh water; 0.49 mg/l
- Marine water; 0.32 mg/l
- STP; 3 mg/l
- Soil; 1080 mg/kg

### Lithium carbonate (CAS: 554-13-2)

DNEL

Workers - Inhalation; Long term systemic effects: 10 mg/m<sup>3</sup>  
Workers - Inhalation; Short term systemic effects: 30 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 64.3 mg/kg/day  
Workers - Dermal; Short term systemic effects: 100 mg/kg/day  
General population - Inhalation; Long term systemic effects: 9.64 mg/m<sup>3</sup>  
General population - Inhalation; Short term systemic effects: 28.92 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 64.3 mg/kg/day  
General population - Dermal; Short term systemic effects: 50 mg/kg/day  
General population - Oral; Long term systemic effects: 6.43 mg/kg/day  
General population - Oral; Short term systemic effects: 19.23 mg/kg/day

PNEC

- Fresh water; 9 mg/l
- Marine water; 0.9 mg/l
- Intermittent release; 0.3 mg/l
- STP; 122.2 mg/l
- Sediment (Freshwater); 35.2 mg/kg
- Sediment (Marinewater); 3.52 mg/kg
- Soil; 1.76 mg/kg

### Calcium dihydroxide (CAS: 1305-62-0)

DNEL

Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
Workers - Inhalation; Short term local effects: 4 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
General population - Inhalation; Short term local effects: 4 mg/m<sup>3</sup>

PNEC

- Fresh water; 0.49 mg/l
- Marine water; 0.32 mg/l
- STP; 3 mg/l
- Soil; 1080 mg/kg

### Trisodium citrate (CAS: 68-04-2)

PNEC

- Fresh water; 0.44 mg/l
- Marine water; 0.044 mg/l
- STP; 1000 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Soil; 33.1 mg/kg

### Citric acid (CAS: 77-92-9)

PNEC

- Fresh water; 0.44 mg/l
- Marine water; 0.044 mg/l
- STP; 1000 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Soil; 33.1 mg/kg

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### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

#### Other skin and body protection

May cause skin sensitisation or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

#### Respiratory protection

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

#### Environmental exposure controls

Keep container tightly sealed when not in use. Avoid release to the environment.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Sand. Cement. Powder.
Colour	Various colours.
Odour	Slight.
Odour threshold	Not determined.
pH	≥ 11.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.

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<b>Bulk density</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

**9.2. Other information**

<b>Other information</b>	No information required.
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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**10.2. Chemical stability**

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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**10.3. Possibility of hazardous reactions**

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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**10.4. Conditions to avoid**

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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**10.5. Incompatible materials**

<b>Materials to avoid</b>	Acid anhydrides. Acids. Phenols, cresols.
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**10.6. Hazardous decomposition products**

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity - oral**

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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**Acute toxicity - dermal**

<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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**Acute toxicity - inhalation**

<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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**Skin corrosion/irritation**

<b>Animal data</b>	Based on available data the classification criteria are not met.
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**Serious eye damage/irritation**

<b>Serious eye damage/irritation</b>	Eye Dam. 1 - H318 Causes serious eye damage.
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### Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

### Skin sensitisation

Skin sensitisation May cause skin sensitisation or allergic reactions in sensitive individuals.

### Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

### Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

### IARC carcinogenicity

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

### Reproductive toxicity - development

Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

Aspiration hazard Not relevant. Solid.

### General information

Dust may irritate the eyes and the respiratory system. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

### Ingestion

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

### Skin contact

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

### Eye contact

Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

### Route of entry

Ingestion Inhalation Skin and/or eye contact

### Target organs

Respiratory system, lungs

### Medical considerations

Skin disorders and allergies.

### Calcium carbonate

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) > 2000 mg/kg, Rat REACH dossier information.

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) > 2000 mg/kg, Rat REACH dossier information.

#### Skin corrosion/irritation

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<b>Animal data</b>	Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.1 ml (61 mg), 72 hours, Rabbit REACH dossier information. Not irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. REACH dossier information.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Screening - NOEL 1000 mg/kg/day, Oral, Rat P REACH dossier information. No evidence of reproductive toxicity in animal studies.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOAEC: > 1.25 %, Oral, Rat REACH dossier information.

### Cement, alumina, chemicals

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 7.6 mg/l, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 g, 4 hours, Rabbit Primary dermal irritation index: 0 REACH dossier information. Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 62 mg, 24 hours, Rabbit REACH dossier information. Causes serious eye irritation.

#### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

#### Reproductive toxicity

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**Reproductive toxicity - development** Embryotoxicity:, Teratogenicity: - NOAEL: 266 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not relevant. Solid.

### Cement, portland, chemicals

### Skin corrosion/irritation

**Animal data** Skin Irrit. 2 - H315 Causes skin irritation.

### Serious eye damage/irritation

**Serious eye damage/irritation** Eye Dam. 1 - H318 Causes serious eye damage.

### Skin sensitisation

**Skin sensitisation** Skin Sens. 1 - H317 May cause an allergic skin reaction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H335 May cause respiratory irritation.

### Calcium dihydroxide

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> : >2000 mg/kg, Oral, Rat REACH dossier information.

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,500.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** REACH dossier information.

**ATE dermal (mg/kg)** 2,500.0

### Skin corrosion/irritation

**Animal data** Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Chromosome aberration: Negative. REACH dossier information.

### Carcinogenicity

**Carcinogenicity** NOAEL 21500 mg/kg/day, Oral, Rat REACH dossier information. Read across data. No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: ≥ 440 mg/kg/day, Oral, Mouse REACH dossier information. Read across data. No evidence of reproductive toxicity in animal studies.

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### Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H335 May cause respiratory irritation.

Target organs Respiratory system, lungs

### Crystalline Silica

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

## SECTION 12: Ecological Information

**Ecotoxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### 12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

### Calcium carbonate

**Toxicity** Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: > 100 %, Onchorhynchus mykiss (Rainbow trout)  
NOEC, 96 hours: > 100 %, Onchorhynchus mykiss (Rainbow trout)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 100 %, Daphnia magna  
NOEC, 48 hours: 100 %, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>10</sub>, 72 hours: > 14 mg/l, Desmodesmus subspicatus  
EC<sub>20</sub>, 72 hours: > 14 mg/l, Desmodesmus subspicatus  
EC<sub>50</sub>, 72 hours: > 14 mg/l, Desmodesmus subspicatus  
NOEC, 72 hours: 14 mg/l, Desmodesmus subspicatus  
REACH dossier information.

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: > 1000 mg/l, Activated sludge  
NOEC, 3 hours: 1000 mg/l, Activated sludge  
REACH dossier information.

### Cement, alumina, chemicals

**Toxicity** Based on available data the classification criteria are not met.

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 5.4 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 3.6 mg/l, Selenastrum capricornutum

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: >1000 mg/l, Activated sludge

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### Cement, portland, chemicals

**Toxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### Calcium dihydroxide

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 457 mg/l, *Gasterosteus aculeatus* (Three-spined stickleback)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 96 hours: 158 mg/l, *Crangon septemspinosa*  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>10</sub>, 72 hours: 79.22 mg/l, *Pseudokirchneriella subcapitata*  
EC<sub>20</sub>, 72 hours: 106.02 mg/l, *Pseudokirchneriella subcapitata*  
EC<sub>50</sub>, 72 hours: 184.57 mg/l, *Pseudokirchneriella subcapitata*  
LOEC, 72 hours: 80 mg/l, *Pseudokirchneriella subcapitata*  
NOEC, 72 hours: 48 mg/l, *Pseudokirchneriella subcapitata*  
REACH dossier information.

**Acute toxicity - microorganisms** EC<sub>20</sub>, 3 hours: 229.2 mg/l, Activated sludge  
EC<sub>50</sub>, 3 hours: 300.4 mg/l, Activated sludge  
REACH dossier information.

**Acute toxicity - terrestrial** NOEC, 4 weeks: 2000 mg/kg, *Eisenia Fetida* (Earthworm)  
REACH dossier information.

**Chronic toxicity - aquatic invertebrates** LC<sub>50</sub>, 14 days: 53.1 mg/l, *Crangon septemspinosa*  
NOEC, 14 days: 32 mg/l, *Crangon septemspinosa*  
REACH dossier information.

**Toxicity to soil** NOEC, 96 days: 4000 mg/kg, Soil  
EC<sub>50</sub>, 28 days: > 12000 mg/kg, Soil  
REACH dossier information.

**Toxicity to terrestrial plants** EC<sub>50</sub>, 21 days: 5640 mg/kg, *Allium porrum*  
REACH dossier information.

### Crystalline Silica

**Toxicity** No negative effects on the aquatic environment are known.

## 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Calcium carbonate

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable.

### Cement, alumina, chemicals

**Persistence and degradability** The product contains inorganic substances which are not biodegradable.

### Crystalline Silica



## Ultibed Kerb Repair - powder component

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable.

### 12.3. Bioaccumulative potential

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

**Partition coefficient** Not determined.

#### Calcium carbonate

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

#### Cement, alumina, chemicals

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

**Partition coefficient** Technically not feasible.

#### Calcium dihydroxide

**Bioaccumulative potential** The product is not bioaccumulating.

#### Crystalline Silica

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

### 12.4. Mobility in soil

**Mobility** No data available.

#### Calcium carbonate

**Mobility** The product is soluble in water.

#### Cement, alumina, chemicals

**Mobility** The product is soluble in water.

#### Cement, portland, chemicals

**Mobility** No information available.

#### Calcium dihydroxide

**Mobility** The product is soluble in water.

**Surface tension** 72 mN/m @ 20°C REACH dossier information.

#### Crystalline Silica

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

#### Calcium carbonate

**Results of PBT and vPvB assessment** Substance is inorganic. Not relevant.

## Ultibed Kerb Repair - powder component

### Cement, alumina, chemicals

**Results of PBT and vPvB assessment** Not relevant. Substance is inorganic.

### Calcium dihydroxide

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

### Crystalline Silica

**Results of PBT and vPvB assessment** Substance is inorganic. Not relevant.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

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

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

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

## Ultibed Kerb Repair - powder component

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

National regulations	EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Restrictions (Title VIII Regulation 1907/2006)	Entry number: 47

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	Eye Dam. 1 - H318, Skin Sens. 1 - H317: Calculation method.
Training advice	Read and follow manufacturer's recommendations.
Revision comments	This is first issue.
Revision date	08/11/2016
SDS number	4996
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

## Ultibed Kerb Repair - liquid component

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

#### 1.1. Product identifier

**Product name:** Ultibed Kerb Repair - powder component

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

**Use of substance / mixture:** Polymer modified kerb repair mortar

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

**Company name:** Pozament- Tarmac Building Products Ltd

Tarmac Building Products Ltd  
i10 Interchange  
Railway Drive  
Wolverhampton  
WV1 1LH  
Telephone: 03444 63 64 65  
pozament@tarmacbp.co.uk

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 3444 63 00 46  
(office hours only)

### Section 2: Hazards identification

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

**Classification under CLP:** --: EUH208

**Most important adverse effects:** Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

**Precautionary statements:** P262: Do not get in eyes, on skin, or on clothing.

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

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P502: Refer to manufacturer/supplier for information on recovery/recycling.

#### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

### Section 4: First aid measures

## Ultibed Kerb Repair - liquid component

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / Immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.



## Ultibed Kerb Repair - liquid component

### 7.3. Specific end use(s)

Specific end use(s): No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Workplace exposure limits: No data available.

### DNEL/PNEC Values

DNEL / PNEC No data available.

### 8.2. Exposure controls

- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.
- Respiratory protection:** Respiratory protection not required.
- Hand protection:** Protective gloves. BS EN 374:2003
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.
- Environmental:** Refer to specific Member State legislation for requirements under Community environmental legislation.

## Section 9: Physical and chemical properties

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

<b>State:</b>	Liquid	
<b>Colour:</b>	Off-white	
<b>Odour:</b>	Characteristic odour	
<b>Evaporation rate:</b>	Negligible	
<b>Oxidising:</b>	Non-oxidising (by EC criteria)	
<b>Solubility in water:</b>	Miscible in all proportions	
<b>Also soluble in:</b>	Most organic solvents.	
<b>Viscosity:</b>	Viscous	
<b>Boiling point/range°C:</b>	No data available.	<b>Melting point/range°C:</b> No data available.
<b>Flammability limits %: lower:</b>	No data available.	<b>upper:</b> No data available.
<b>Flash point°C:</b>	No data available.	<b>Part.coeff. n-octanol/water:</b> No data available.
<b>Autoflammability°C:</b>	No data available.	<b>Vapour pressure:</b> No data available.
<b>Relative density:</b>	1.010	<b>pH:</b> 10 - 11.5
<b>VOC g/l:</b>	No data available.	

### 9.2. Other information

Other information: Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

## Ultibed Kerb Repair - liquid component

### 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicity values: No data available.

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values: No data available.

### 12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

### 12.4. Mobility in soil

Mobility: Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.).

**Recovery operations:** Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

**Waste code number:** 08 02 99

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Ultibed Kerb Repair - liquid component

### Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

### Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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



