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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: Bronze Putty BR Base Component
- Product Part Number: MUL10261

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

- Use of the substance/mixture: Polymer repair system

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

- Name of Supplier: Resimac Limited
- Address of Supplier: Unit B Park Barn Estate  
Station Road  
Topcliffe, Thirsk  
YO7 3SE
- Telephone: +44 (0) 1845 577498
- Responsible Person: Ryan Lockie
- Email: Info@resimac.co.uk

#### 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1845 577498 OPEN HOURS 9am-5pm

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Skin Sens. 1, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3

#### 2.2 Label elements



GHS07

- Signal Word: Warning

#### Hazard statements

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

#### Precautionary statements

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P363 - Wash contaminated clothing before reuse.

**SECTION 2: Hazards identification (....)****2.3 Other hazards**

- Contains: Bis-[4-(2,3-epoxipropoxy)phenyl]propane

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

Chemical Name	CAS Number	EC Number	Concentration	Acute toxicity estimate	Specific Concentration Limits
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5	16.8%		Eye Irrit. 2 H319: C ≥ 5 % Skin Irrit. 2 H315: C ≥ 5 %
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	500-006-8	14%		

Chemical Name	Categories	Symbols	H Statements
bis-[4-(2,3-epoxipropoxy)phenyl]propane	Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1	GHS07	H315 H319 H317
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	GHS07, GHS09	H315, H317, H411

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Wash contaminated clothing before reuse.

**Contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**Contact with skin**

IF ON SKIN: Wash with plenty of soap and water.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
If skin irritation or rash occurs: Get medical advice/attention.

**Ingestion**

IF SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
If vomiting occurs turn patient on side  
When in doubt or symptoms persist, seek medical attention

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If breathing is difficult, oxygen should be given by a trained person

**SECTION 4: First aid measures (....)**

Seek medical advice if necessary

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

- May cause blistering of the skin
- May cause dizziness
- May cause nausea/vomiting
- May cause redness and irritation
- May cause wheeziness

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

- Call a POISON CENTER/doctor/physician if symptoms continue.
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Do not use water jets

**5.2 Special hazards arising from the substance or mixture**

- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Carbon oxides may be formed

**5.3 Advice for firefighters**

- Wear protective gloves/protective clothing/eye protection/face protection.
  - Toxic fumes may be formed
  - Wear Breathing Apparatus
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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Do not get in eyes, on skin, or on clothing.
- Evacuate the area and keep personnel upwind
- In case of leakage, eliminate all ignition sources.
- Wear protective clothing as per section 8

**6.2 Environmental precautions**

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

**6.3 Methods and material for containment and cleaning up**

- Absorb spillage in suitable inert material
- Collect as much as possible in clean container for reuse or disposal
- Seek expert advice for removal and disposal of all contaminated materials and wastes

**6.4 Reference to other sections**

- See Section 8
  - See Section 13
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**SECTION 7: Handling and storage**

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**SECTION 7: Handling and storage (....)****7.1 Precautions for safe handling**

- Forms hazardous decomposition products
- Avoid contact with skin and eyes
- Dispose of contents/container to an authorised waste collection point
- Ensure adequate ventilation
- Wash contaminated clothing before reuse.
- Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

- Store in a dry place. Store in a closed container.
- Keep container tightly closed, in a cool, well ventilated place

**7.3 Specific end use(s)**

- No information available
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

DNEL (Industry; dermal, short term systemic effects): 8.3 mg/kg bw/day  
DNEL (Industry; inhalational, short term systemic effects): 12.3 mg/m<sup>3</sup>  
DNEL (Industry; dermal, long term systemic effects): 8.3 mg/kg bw/day  
DNEL (Industry; inhalational, long term systemic effects): 12.3 mg/m<sup>3</sup>  
DNEL (Consumer; dermal, short term systemic effects): 3.6 mg/kg bw/day  
DNEL (Consumer; inhalational, short term systemic effects): 0.75 mg/m<sup>3</sup>  
DNEL (Consumer; oral, short term systemic effects): 0.75 mg/kg bw/day  
DNEL (Consumer; dermal, long term systemic effects): 3.6 mg/kg bw/day  
DNEL (Consumer; inhalational, long term systemic effects): 0.75 mg/m<sup>3</sup>  
DNEL (Consumer; oral, long term systemic effects): 0.75 mg/kg bw/day

**8.2 Exposure controls****Gloves****Goggles**

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - Use personal protective equipment as required.
  - In poorly ventilated areas or confined spaces, use an airline respirator or self-contained breathing apparatus
  - Wear suitable gloves: Chemical resistant, impervious gloves such as Nitrile, Neoprene and PVC complying with European Standard EN374
  - Wear protective gloves/protective clothing/eye protection/face protection.
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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state: Solid
- Colour: Off-white, grey
- Odour: Slight smell of amine

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**SECTION 9: Physical and chemical properties (....)**

- Melting point/Range: Not applicable
- Boiling Point/Range: >200c
- Flammability: Not flammable
- pH: Not applicable
- Solubility in water: Insoluble in water
- Density: 2.7

**9.2 Other information**

- No information available
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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- Considered stable under normal conditions

**10.2 Chemical stability**

- Considered stable under normal conditions

**10.3 Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose

**10.4 Conditions to avoid**

- Keep away from heat

**10.5 Incompatible materials**

- Avoid contact with acids and alkalis
- Keep away from strong oxidizing substances

**10.6 Hazardous decomposition products**

- Decomposition products may include toxic fumes
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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Substances**

Chemical Name	LD <sub>50</sub> (oral, rat)
bis-[4-(2,3-epoxipropoxy)phenyl]propane	11,400 mg/kg

**Skin corrosion/irritation**

Causes redness and irritation  
Causes allergic reaction in susceptible people

**Serious eye damage/irritation**

Can cause damage to the eyes  
May cause burning sensation  
Prolonged skin or eye contact may cause chemical burns

**Respiratory or skin sensitisation**

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**SECTION 11: Toxicological information (....)**

May cause shortness of breath

**Germ cell mutagenicity**

No experimental data available

**Carcinogenicity**

No experimental data available

**Reproductive toxicity**

No information available

**STOT (specific target organ toxicity) - single exposure**

No information available

**STOT (specific target organ toxicity) - repeated exposure**

No information available but must be considered harmful

**Aspiration hazard**

No experimental data available

**11.2 Information on other hazards**

- No information available

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**SECTION 12: Ecological information****12.1 Toxicity****Substances**

Chemical Name	EC <sub>50</sub> (daphnia)	LC <sub>50</sub> (fish)
bis-[4-(2,3-epoxipropoxy)phenyl]propane	2.1 mg/l (48 hr)	1.3 mg/l (96 hr)

**12.2 Persistence and degradability**

- Biodegradable

**12.3 Bioaccumulative potential**

- Bioaccumulation is insignificant

**12.4 Mobility in soil**

- This substance will leach into the soil

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII

**12.6 Endocrine disrupting properties**

- No information available

**12.7 Other adverse effects**

- No information available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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**SECTION 13: Disposal considerations (....)**

- Dispose of container to a hazardous or special waste collection point
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**SECTION 14: Transport information****14.1 UN number or ID number**

- UN No.: 3077

**14.2 UN proper shipping name**

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
- Proper Shipping Name: Bis-[4-(2,3-epoxipropoxy)phenyl]propane

**14.3 Transport hazard class(es)**

- Hazard Class: 9

**14.4 Packing group**

- Packing Group: III

**14.5 Environmental hazards**

- Hazardous to the environment
- Marine pollutant

**14.6 Special precautions for user**

- Tunnel Code: E

**14.7 Maritime transport in bulk according to IMO instruments**

- Not applicable
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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Water Hazard Class (Company): Not hazardous

**Substances**

Chemical Name	Water Hazard Class (Company)	Water Hazard Class (Official)
bis-[4-(2,3-epoxipropoxy)phenyl]propane	Not Classified	
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		Not hazardous

**15.2 Chemical safety assessment**

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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.

**Legal Disclaimer**

**SECTION 16: Other information (....)**

- 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

--- end of safety datasheet ---

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