SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Plastic Steel A Base Component
- Product Part Number: MUL10112

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

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-epoxipropoxi)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-epoxipropoxi)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-epoxipropoxi)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/physcian if symptoms continue.

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

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

SECTION 7: Handling and storage

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

bis-[4-(2,3-epoxipropoxi)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/m³
DNEL (Industry; dermal, long term systemic effects): 8.3 mg/kg bw/day
DNEL (Industry; inhalational, long term systemic effects): 12.3 mg/m³
DNEL (Consumer; dermal, short term systemic effects): 3.6 mg/kg bw/day
DNEL (Consumer; inhalational, short term systemic effects): 0.75 mg/m³
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/m³
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.

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

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

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

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Substances

Chemical Name	LD_{50} (oral, rat)
bis-[4-(2,3-epoxipropoxi)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

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

SECTION 12: Ecological information

12.1 Toxicity

Substances

Chemical Name	EC_{50} (daphnia)	LC_{50} (fish)
bis-[4-(2,3-epoxipropoxi)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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SECTION 13: Disposal considerations (....)

- Dispose of container to a hazardous or special waste collection point

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-epoxipropoxi)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

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-epoxipropoxi)phenyl]propane	Not Classified	
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		Not hazardous

15.2 Chemical safety assessment

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 ---