
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: UPS 19000 RH THISTLEBOND STANDARD RESIN & HARDENER - BASE
- Product Part Number: 19000 RH - BASE

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: Unique Polymer Systems
- Address of Supplier: Unit 19 Link Business
Centre, Link Way,
Worcestershire,
WR14 1UQ, United Kingdom
- Telephone: +44 (0) 1531 636300
- Email: sales@uniquepolymersystems.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1531 636300 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 2

2.2 Label elements



GHS09



GHS07

- Signal Word: Warning

Hazard statements

- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H317 - May cause an allergic skin reaction.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P273 - Avoid release to the environment.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

2.3 Other hazards

SECTION 2: Hazards identification (....)

- 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	50-60%		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	25-35%		
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	271-846-8	1-10%		

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
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Skin Irrit. 2 Skin Sens. 1	GHS07	H315;H317

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

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

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

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.
- Dispose of contents/container to

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-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/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: Liquid

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

- Colour: Off-white
- Odour: Slight smell of amine
- Melting point/Range: Not applicable
- Boiling Point/Range: >200°C
- Flammability: Not flammable
- pH: Not available
- Solubility in water: Immiscible with water
- Density: 1.2
- Flashpoint: >150°C

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 ₅₀ (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
-

SECTION 11: Toxicological information (....)

Prolonged skin or eye contact may cause chemical burns

Respiratory or skin sensitisation

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-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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

SECTION 14: Transport information



Dangerous Substance



ENVIRONMENTALLY HAZARDOUS

14.1 UN number or ID number

- UN No.: 3082

14.2 UN proper shipping name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 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

- 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): 2

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
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.		2

15.2 Chemical safety assessment

SECTION 15: Regulatory information (....)

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

- 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 ---
