

Revised: 27/9/2024

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**SAFETY DATA SHEET**

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: RT310 PART A (RESIN)
- UFI: YY10-K0GH-500Q-VK4F
- Product Part Number: RT310 PART A (RESIN)

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

- Use of the substance/mixture: Resin

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

- Name of Supplier: Resintech Ltd
- Address of Supplier: Unit 1-2 Horcott Industrial Estate  
Fairford  
Gloucestershire  
GL7 4BX  
UK
- Telephone: +44 (0)1285 712755
- Responsible Person: Alex Paton
- Email: Info@resintech.co.uk

**1.4 Emergency telephone number**

- Emergency Telephone: +44 (0)1285712755 (Monday-Friday 8am-4.30pm)
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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 2

**2.2 Label elements**

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

**Hazard statements**

- 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.
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**SECTION 2: Hazards identification (....)****Precautionary statements**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P501 - Dispose of contents/container to an authorised waste collection point

**Supplemental Hazard information (EU)**

EUH205 - Contains epoxy constituents. May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

**2.3 Other hazards**

- Not a PBT according to REACH Annex XIII
- Substance not identified as having endocrine disrupting properties

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

	CAS Number	EC Number	REACH Registration Number	Categories	H Statements	Concentration
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	216-823-5	01-2119456619-26-0000	Skin Irrit. 2 Skin Sens. 1 Eye Irrit. 2 Aquatic Chronic 2	H315 H317 H319 H411	50 - 70%
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	271-846-8	01-2119485289-22-0000	Skin Irrit. 2 Skin Sens. 1	H315 H317	10 - 30%
Bis(2-ethylhexyl) terephthalate	6422-86-2	229-176-9	Not applicable	Substance with a work place exposure limit	None	10 - 30%
Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl))	9072-62-2	618-635-2	Not applicable	Skin Irrit. 2 Skin Sens. 1 Eye Irrit. 2	H315 H317 H319	5 - 10%

**SECTION 4: First aid measures****4.1 General**

- Use personal protective equipment as required.
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- 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.

**SECTION 4: First aid measures (....)****Contact with skin**

After contact with skin, wash immediately with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention.

**Ingestion**

Do NOT induce vomiting.  
If swallowed, rinse mouth with water (only if the person is conscious)  
Give water or milk to drink  
Get medical advice/attention if you feel unwell.

**Inhalation**

Remove patient to fresh air  
Get medical advice/attention if you feel unwell.

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

- In cases of severe exposure, allergic reaction in susceptible people may develop
- In cases of severe exposure, redness and irritation may develop

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

- Treat symptomatically
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

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

- Decomposition products may include toxic and irritant fumes
- Decomposition products may include carbon oxides

**5.3 Advice for firefighters**

- Keep container(s) exposed to fire cool, by spraying with water
  - Prevent run off water from entering drains if possible
  - Wear Positive-Pressure Breathing Apparatus
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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8
- Wash thoroughly after dealing with spillage
- Avoid contact with skin and eyes

**6.2 Environmental precautions**

- Avoid release to the environment.
- Absorb spillage in suitable inert material
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

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

- Wear protective clothing as per section 8
  - Absorb spillage in suitable inert material
  - Do not discharge into drains or the environment, dispose to an authorised waste collection point
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**SECTION 6: Accidental release measures (....)**

- Wash thoroughly after dealing with spillage
- Collect spillage.

**6.4 Reference to other sections**

- Wear protective clothing as per section 8
  - See Section 11 - Toxicological Information
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Avoid release to the environment.
- Wear protective clothing as per section 8
- Take off contaminated clothing and wash it before reuse.
- In cases of severe exposure, allergic reaction in susceptible people may develop
- Do not eat, drink or smoke when using this product.
- After contact with skin, wash immediately with plenty of soap and water
- Wash hands and working surfaces thoroughly after handling.
- Use good personal hygiene practices
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

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

- Keep container tightly closed, in a cool, well ventilated place
- Keep cool. Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs
- Product may crystallise or separate if exposed to cold temperatures for extended periods of time. If this occurs, the product should be warmed to 38-60°C for one hour. If the product is in a bulk form stir until clear.

**7.3 Specific end use(s)**

- See Section 1.2
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

DNEL (Industry; inhalational, long term systemic effects): 4.93 mg/m<sup>3</sup>  
DNEL (Industry; dermal, long term systemic effects): 0.75 mg/kg bw/day  
DNEL (Consumer; inhalational, long term systemic effects): 0.87 mg/m<sup>3</sup>  
DNEL (Consumer; dermal, long term systemic effects): 0.0893 mg/kg bw/day  
DNEL (Consumer; oral, long term systemic effects): 0.5 mg/kg bw/day

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

DNEL (Consumer; inhalational, long term systemic effects): 0.87 mg/m<sup>3</sup>  
DNEL (Consumer; oral, long term systemic effects): 0.5 mg/kg  
DNEL (Consumer; dermal, long term systemic effects): 0.5 mg/kg  
DNEL (Industry; dermal, long term systemic effects): 1 mg/kg  
DNEL (Industry; inhalational, long term systemic effects): 3.6 mg/m<sup>3</sup>

**Bis(2-ethylhexyl) terephthalate**

**SECTION 8: Exposure controls/personal protection (....)**

DNEL (Industry; inhalational, long term systemic effects): 23.2 mg/m<sup>3</sup>  
 DNEL (Industry; dermal, long term systemic effects): 6.58 mg/kg bw/day  
 DNEL (Consumer; inhalational, long term systemic effects): 6.86 mg/m<sup>3</sup>  
 DNEL (Consumer; dermal, long term systemic effects): 3.95 mg/kg bw/day  
 DNEL (Consumer; oral, long term systemic effects): 3.95 mg/kg bw/day

**Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl))**

DNEL (Industry; inhalational, long term systemic effects): 12.25 mg/m<sup>3</sup>  
 DNEL (Industry; dermal, long term systemic effects): 8.33 mg/kg bw/day  
 DNEL (Consumer; dermal, long term systemic effects): 3.571 mg/kg bw/day  
 DNEL (Consumer; oral, long term systemic effects): 0.75 mg/kg bw/day

**8.2 Exposure controls**

- This Safety Data Sheet does not constitute a workplace risk assessment
- In case of inadequate ventilation wear respiratory protection.
- Eyewash bottles should be available
- Wear suitable protective clothing, eye/face protection and gloves
- Gloves should be chemical resistant and comply with an approved standard such as EN 455 or EN 374 and made from latex, nitrile or neoprene. Protective clothing should be based on the results of an exposure assessment. A polymer laminate apron is recommended in most cases. Eye and face protection should be chemical resistant and comply with an approved standard such as EN 166. If a respirator is needed following an exposure assessment it should conform to EN 136 or EN 143 (P3)
- Check with personal protection equipment manufacturer
- Use good personal hygiene practices
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance: Liquid
- Colour: Colourless to yellow
- Odour: Characteristic odour
- Boiling Point/Range: >190°C
- Flammability: Flash point: >150 °C (CC)
- pH: Immiscible with water
- Solubility in water: Immiscible with water
- Density: Density (water=1): 1.12

**9.2 Other information**

- No information available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

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**SECTION 10: Stability and reactivity (....)**

- Reference to other sections

**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**

- No hazard expected under normal conditions of use
- Keep away from static electricity

**10.5 Incompatible materials**

- Strong alkalis
- Strong oxidising agent
- Strong acids
- Reacts with amines

**10.6 Hazardous decomposition products**

- No hazardous decomposition products known
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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Estimated LD<sub>50</sub> (oral) (ATE) : >2000 mg/kg  
Estimated LD<sub>50</sub> (dermal) (ATE) : >4000 mg/kg  
Estimated LD<sub>50</sub> (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

LD<sub>50</sub> (oral, rat): >15,000 mg/kg  
LD<sub>50</sub> (skin, rat): >23,000 mg/kg

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

LD<sub>50</sub> (oral, rat): 2,680 mg/kg

**Bis(2-ethylhexyl) terephthalate**

LD<sub>50</sub> (oral, rat): >2,000 mg/kg  
LD<sub>50</sub> (skin, rat): >2,000 mg/kg

**Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl))**

LD<sub>50</sub> (oral, rat): >3,500 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

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

May cause an allergic skin reaction.

**Germ cell mutagenicity**

Based on the available data, the classification criteria are not met

**Carcinogenicity**

Based on the available data, the classification criteria are not met

**Reproductive toxicity**

Based on the available data, the classification criteria are not met

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

Based on the available data, the classification criteria are not met

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

Based on the available data, the classification criteria are not met

**Aspiration hazard**

Based on the available data, the classification criteria are not met

**11.2 Information on other hazards**

- No information available

**SECTION 12: Ecological information****12.1 Toxicity****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

EC<sub>50</sub> (Daphnia magna): 1.8 mg/l (48 hr)

LC<sub>50</sub> (fish): 2 mg/l (96 hr)

PNEC (Fresh water): 0.006 mg/l

PNEC (intermittent): 0.018 mg/l

PNEC (Marine water): 0.0006 mg/l

PNEC (Sediment; fresh water): 0.341 mg/kg

PNEC (Sediment; marine water): 0.0341 mg/kg

PNEC (Soil): 0.0647 mg/kg

PNEC (STP): 10 mg/l

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

LC<sub>50</sub> (fish): >100 mg/l (96 hr)

PNEC (Fresh water): 0.1058 mg/l

PNEC (intermittent): 0.072 mg/l

PNEC (Marine water): 0.01058 mg/l

PNEC (Sediment; fresh water): 0.30716 mg/kg

PNEC (Sediment; marine water): 0.03072 mg/kg

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**SECTION 12: Ecological information (....)**

PNEC (Soil):	1.234 mg/kg
PNEC (STP):	10 mg/l

**Bis(2-ethylhexyl) terephthalate**

LC <sub>50</sub> (fish):	984 mg/l (96 hr)
PNEC (Fresh water):	0.00008 mg/l
PNEC (intermittent):	0.000014 mg/l
PNEC (Marine water):	0.000008 mg/l
PNEC (STP):	1 mg/l
PNEC (Sediment; fresh water):	8.28 mg/kg
PNEC (Sediment; marine water):	0.828 mg/kg

**Oxirane, 2-(chloromethyl)-, polymer with alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl))**

EC <sub>50</sub> (Daphnia magna):	>100 mg/l (48 hr)
LC <sub>50</sub> (fish):	>100 mg/l (96 hr)
PNEC (Fresh water):	0.006 mg/l
PNEC (intermittent):	0.018 mg/l
PNEC (Marine water):	0.0006 mg/l
PNEC (STP):	10 mg/l
PNEC (Sediment; fresh water):	0.996 mg/kg
PNEC (Sediment; marine water):	0.0996 mg/kg

**12.2 Persistence and degradability**

- Not readily biodegradable

**12.3 Bioaccumulative potential**

- Bioaccumulation is insignificant

**12.4 Mobility in soil**

- immiscible with water

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII

**12.6 Endocrine disrupting properties**

- Substance not identified as having endocrine disrupting properties

**12.7 Other adverse effects**

- No information available
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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
  - Wear protective clothing as per section 8
  - Dispose of contents/container to an authorised waste collection point
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**SECTION 14: Transport information**



**SECTION 14: Transport information (....)****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. (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**

- IMDG EmS: F-A, S-F
- Tunnel Code: (E)
- Emergency Action Code: 3Z

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

- Not applicable

**14.8 Transport Regulations**

- Special Provisions Apply: (IATA: A197), (ADR: 375) These substances when transported in single or combination packages containing a net quantity per single or inner packaging of 5L or less for liquids or having a net weight per single or inner packaging of 5KG or less for solids, are not subject to any other provisions of these regulations provided the packages meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the Health and Safety at Work Act
- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

**15.2 Chemical safety assessment**

- This product is either exempt from REACH or does not meet the minimum volume threshold for a chemical safety assessment (CSA)

**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.

Sections updated: 1.1, 4.2, 8.2, 14.8

This information relates only to the material designated and may not be valid for such material used in combination

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

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 themselves as to the suitability of such information for their own use.