

1 Identification

- **Product identifier**
- **Product name:** Epoxy Resin
- **Recommended use:** Potting, arts and crafts, coating, casting
- **Application of the substance / the preparation:** Packaging purpose
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** E&R Supplies Ltd
- **Full address:**
74 Chaucer Drive, Lincoln, LN2 4LS
- **Brand:** RESIN GLORY™
- **Phone number:** 01522394688
- **Email:** info@resin-glory.com
- **Relevant identified uses of substance or mixture and uses advised against:**
Intended for general public
Main use category: Consumer use, professional use
Use of the substance / mixture: Fixing agents
Uses advised against: no additional information available

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008.



Skin Irritation 2 H315 Causes skin irritation.
Eye Irritation 2A H319 Causes serious eye irritation.
Sensitization - Skin 1 H317 May cause an allergic skin reaction.

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Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
· **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of Regulation (EC) No 1272/2008

- **Classification system:**
The classification is according to the latest edition of Regulation (EC) No 1272/2008, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**



GHS07 GHS09

- **Signal word** Warning

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· Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves / eye protection / face protection.
 P302+P352 If on skin: Wash with plenty of 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.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P321 Specific treatment (see on this label).
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Hazards not otherwise classified (HNOC) No further relevant information available.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· Composition:

CAS: 25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; ⚠ Aquatic Chronic 2, H411	80-90%
CAS: 100-51-6	Benzyl alcohol ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	9-19%
CAS: 57834-33-0	Ethyl 4-[[methylphenylamino)methylene]amino]benzoate ⚠ Acute Toxicity - Oral 4, H302	1%

4 First-aid measures

· Description of first aid measures
· General description: Immediately remove any clothing soiled by the product.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

· Most important symptoms and effects, both acute and delayed No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Suitable extinguishing agents: Use fire fighting measures that suit the environment.

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- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Dilute with plenty of water.
 - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to section 13.
 - Ensure adequate ventilation.

7 Handling and storage

- **Precautions for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from water.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

CAS: 100-51-6 Benzyl alcohol (3,0%)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - See Section 7 for information about design of technical facilities.
- **Individual protection measures, such as personal protective equipment**
- **Breathing equipment:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· **Hand protection:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

· **Appearance:**

· Form:	Liquid
· Color:	Colourless
· Odor:	Odourless
· Odor threshold:	Not available

· **pH-value:** Not available

· **Change in condition**

· Melting point/Freezing point:	Not available
· Initial boiling point and boiling range:	Not available

· **Flash point:** Not available

· **Flammability** Not available

· **Auto-Ignition temperature:** Not available

· **Decomposition temperature:** Not available

· **Lower and upper explosion limit**

· Lower:	Not available
· Upper:	Not available

· **Vapor pressure:** Not available

· **Density:** Not available

· **Relative density:** Not available

· **Vapor density:** Not available

· **Evaporation rate:** Not available

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|---|--|
| · Solubility in / Miscibility with Water: | Not available |
| · Partition coefficient (n-octanol/water): | Not available |
| · Viscosity: | |
| Dynamic: | Not available |
| Kinematic: | Not available |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** No further relevant information available.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

CAS: 100-51-6 Benzyl alcohol

Oral	LD50	1,230 mg/kg (rat)
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- **Skin corrosion/irritation:** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.

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- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number		
· DOT, IMDG, IATA	UN3082	
· UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane)	
· DOT		
· IMDG		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane), MARINE POLLUTANT
· IATA		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane)
· Transport hazard class(es)		
· DOT, IMDG, IATA		
		
· Class	9 Miscellaneous dangerous substances and articles	
· Label	9	
· Packing group		
· DOT, IMDG, IATA	III	
· Environmental hazards:		
· Marine pollutant:	Yes Yes (DOT) Symbol (fish and tree)	
· Special marking (IATA):	Symbol (fish and tree)	
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles	
· EMS Number:	F-A,S-F	
· Stowage Category	A	
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable	

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· Transport/Additional information:

· DOT

· Quantity limitations

On passenger aircraft/rail: 450 L

On cargo aircraft only: 450 L

· Remarks:

Special marking with the symbol (fish and tree).

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE), 9, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· Regulation (EU) No 649/2012

All components have the value ACTIVE.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)

None of the ingredients is listed.

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/1/2023)

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (13/12/2021) See Section 16 for information about restriction of use.

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List (8/4/2022)

None of the ingredients is listed.

· 15.2 Chemical safety assessment:

· A Chemical Safety Assessment has not been carried out.

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RESIN GLORY

Printing date 04/11/2023

Safety Data Sheet

Regulation (EC) No 1272/2008

Version number 1

Reviewed on 04/07/2023

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· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

16 Other information

· **Relevant hazard statements**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY

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In general, any information provided in our manuals or other collaterals is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

· **Date of preparation / last revision 04/11/2023**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

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