

Safety data sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 18.06.2020

Version number 1

Revision: 12.06.2020

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

- 1.1 Product identifier
- Trade name: Epoxy Resin AB Glue
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Epoxy Resin AB Glue
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer / Supplier:
- Full address:

- Phone number:
- Email:
- Only Representative / other EU contact point: Not available
- Further information obtainable from:
- 1.4 Emergency telephone number:
- GERMANY
- Poison Center Berlin - Institute of Toxicology
- Tel: +49 030 192 40
- 1.5 Reference Number: CANEC2009385901,CP20-029179

SECTION 2: Hazards identification

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



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.

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

- 2.2 Label elements
- Labelling according to Regulation (EC) No. 1272/2008
The product is classified and labelled according to the CLP regulation.

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Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

Polyoxypropylenediamine

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 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: 25085-99-8	Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis-, homopolymer ⊗ Aquatic Chronic 2, H411; ⊕ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	65%
CAS: 9046-10-0	Polyoxypropylenediamine ⊗ Skin Corr. 1B, H314	25%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5	Benzyl alcohol ⊕ Acute Tox. 4, H302; Acute Tox. 4, H332	10%

SECTION 4: First aid measures

4.1 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.

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- 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. Then consult a doctor.*
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.*
- 4.2 Most important symptoms and effects, both acute and delayed:**
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.*
- 5.2 Special hazards arising from the substance or mixture:**
During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters**
- Protective equipment: Mouth respiratory protective device.*

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:**
*Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.*
- 6.2 Environmental precautions:**
*Do not allow product to reach sewage system or any water source.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.*
- 6.3 Methods and material for containment and cleaning up:**
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.*
- 6.4 Reference to other sections:**
*See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.*

SECTION 7: Handling and storage

- 7.1 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 fire - and explosion protection: Keep respiratory protective device available.**
- 7.2 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: Not required.*
- Further information about storage conditions: Keep container tightly sealed.*

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- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

100-51-6 Benzyl alcohol (10%)
AGW (Germany) Long-term value: 22 mg/m ³ , 5 ppm 2(I);DFG, H, Y, 11

- Regulatory information AGW (Germany): TRGS 900
- DNELs: Not available
- PNECs: Not available

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

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.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.

- **Personal protective equipment**

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



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 protection:**



Tightly sealed goggles

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- Environmental exposure controls:
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- Appearance

Form:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour 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 (solid, gas): Not available

- Auto-ignition temperature: Not available

- Decomposition temperature: Not available

- Self-igniting: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.

- Explosion limits

Lower:	Not available
Upper:	Not available

- Oxidising properties: Not available

- Vapour pressure: Not available

- Density: Not available

- Relative density: Not available

- Vapour density: Not available

- Evaporation rate: Not available

- Solubility in / Miscibility with water: Not available

- Partition coefficient: n-octanol/water: Not available

- Viscosity

Dynamic:	Not available
Kinematic:	Not available

- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: Data not available

- 10.2 Chemical stability: Data not available

- 10.3 Possibility of hazardous reactions: No dangerous reactions known.

- 10.4 Conditions to avoid: No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.

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- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values relevant for classification:

100-51-6 Benzyl alcohol

Oral	LD50	1,230 mg/kg (rat)
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- Skin corrosion/irritation:
Causes severe skin burns and eye damage.
- Serious eye damage/irritation:
Causes serious eye damage.
- Respiratory or skin sensitization:
May cause an allergic skin reaction.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.
- 12.7 Additional ecological information:
- General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR/RID/ADN, IMDG, IATA 	UN1760
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN · IMDG · IATA 	<p><i>CORROSIVE LIQUID, N.O.S.</i> <i>(Polyoxypropylenediamine), ENVIRONMENTALLY HAZARDOUS</i></p> <p><i>CORROSIVE LIQUID, N.O.S.</i> <i>(Polyoxypropylenediamine, Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer), MARINE POLLUTANT</i></p> <p><i>CORROSIVE LIQUID, N.O.S.</i> <i>(Polyoxypropylenediamine)</i></p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG 	<div style="display: flex; align-items: center; gap: 10px;">   </div> <p>· Class 8 Corrosive substances.</p> <p>· Label 8</p>
<ul style="list-style-type: none"> · IATA 	<div style="display: flex; align-items: center; gap: 10px;">  </div> <p>· Class 8 Corrosive substances.</p> <p>· Label 8</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID/ADN, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Environmental hazards · Marine pollutant: · Special marking (ADR/RID/ADN): 	<p>Product contains environmentally hazardous substances: <i>Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer</i></p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user: · Danger code (Kemler): · EMS Number: 	<p>Warning: Corrosive substances.</p> <p>80</p> <p>F-A,S-B</p>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable
<ul style="list-style-type: none"> · 14.8 Transport/Additional information: · ADR/RID/ADN · Limited quantities (LQ): 	1L

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· <i>Excepted quantities (EQ)</i>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <i>Transport category:</i>	2
· <i>Tunnel restriction code:</i>	E
· <i>IMDG</i>	
· <i>Limited quantities (LQ)</i>	1L
· <i>Excepted quantities (EQ)</i>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <i>UN "Model Regulation":</i>	UN 1760 CORROSIVE LIQUID, N. O. S. (POLYOXYPROPYLENEDIAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

· *MAK(German Maximum Workplace Concentration)*

None of the ingredients is listed.

· *Directive 2012/18/EU*

· *Named dangerous substances - ANNEX I None of the ingredients is listed.*

· *Seveso category E2 Hazardous to the Aquatic Environment*

· *Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t*

· *Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t*

· *National regulations:*

· *Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.*

· *Other regulations, limitations and prohibitive regulations*

· *SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/1/2020)*

None of the ingredients is listed.

· *REACH Regulation Annex XVII Restriction (20/06/2019)*

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· *REACH Regulation Annex XIV Authorisation List (13/6/2017)*

None of the ingredients is listed.

· *15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

· *Relevant hazard statements*

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

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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Classification according to Regulation (EC) No. 1272/2008

Skin corrosion/irritation
Serious eye damage/eye irritation
Skin sensitisation
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No. 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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