

**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 09.06.2022



Version number 7 (replaces version 6)

Revision: 09.06.2022

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

- **1.1 Product identifier**
  - Trade name: **Technovit EPOX Resin**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
  - **Application of the substance / the mixture** Resin for metallographic testing
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Kulzer GmbH  
Leipziger Straße 2, 63450 Hanau (Germany)  
Tel.: +49 (0)6181 9689-2570 (Wehrheim)
  - **Informing department:** email: [technik.wehrheim@kulzer-dental.com](mailto:technik.wehrheim@kulzer-dental.com)
- **1.4 Emergency telephone number:** Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2            H315 Causes skin irritation.  
Eye Irrit. 2            H319 Causes serious eye irritation.  
Skin Sens. 1            H317 May cause an allergic skin reaction.  
Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
    - **Hazard pictograms**  

  
 GHS07    GHS09
    - **Signal word** Warning
    - **Hazard-determining components of labelling:**  
Bis- [4- (2,3-epoxypropoxy) phenyl] propane  
Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane  
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
    - **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**  
P261                    Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273                    Avoid release to the environment.  
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.  
P333+P313            If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313            If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 1)

- **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:** -

· **Dangerous components:**

CAS: 1675-54-3 EINECS: 216-823-5 Reg.nr.: 01-2119456619-26-xxxx	Bis- [4- (2,3-epoxypropoxy) phenyl] propane Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5% Eye Irrit. 2; H319: C ≥ 5%	≥50-<100%
EC number: 701-263-0 Reg.nr.: 01-2119454392-40-xxxx	Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Skin Sens. 1, H317	≥25-<50%
CAS: 68609-97-2 EINECS: 271-846-8 Reg.nr.: 01-2119485289-22-xxxx	oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Skin Irrit. 2, H315; Skin Sens. 1, H317	≥10-<20%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General information**

Personal protection for the First Aider.

Instantly remove any clothing soiled by the product.

Take affected persons out of danger area and instruct to lie down.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact**

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

Remove contact lenses, if present and easy to do. Continue rinsing.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions

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

No further relevant information available.

**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 2)

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents**
    - Carbon dioxide
    - Fire-extinguishing powder
    - Sand
    - Foam
- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.  
Can be released in case of fire

  - Carbon dioxide (CO<sub>2</sub>)
  - Carbon monoxide (CO)
  - Nitrogen oxides (NO<sub>x</sub>)
  - Hydrogen chloride (HCl)
- **5.3 Advice for firefighters**
  - **Protective equipment:**

Wear self-contained breathing apparatus.  
(EN 133)
  - **Additional information**

Collect contaminated fire fighting water separately. It must not enter drains.

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
Avoid contact with eyes and skin.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**

Do not allow to enter drainage system, surface or ground water.  
Do not allow to enter the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).  
Send for recovery or disposal in suitable containers.
- **6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**

Wear protective equipment. Keep unprotected persons away.  
Avoid contact with eyes and skin.  
Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

  - **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.  
Protect from heat.
  - **Handling**

do not mix with  
organic peroxides  
Strong oxidizers

(Contd. on page 4)

GB

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 3)

- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:**  
Store in cool, dry place in tightly closed containers.
    - **Information about storage in one common storage facility:** Store away from foodstuffs.
    - **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
  - **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
Not required.

· **DNELs**

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

Oral	general population, long term, systemic	0.5 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	0.75 mg/Kg/d (not defined)
	general population, long term, systemic	0.0893 mg/Kg/d (not defined)
Inhalative	worker industrial, long term, systemic	4.93 mg/m3 (not defined)
	general population, long term, systemic	0.87 mg/m3 (not defined)

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane**

Oral	general population, long term, systemic	6.25 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	104.15 mg/Kg/d (not defined)
	general population, long term, systemic	62.5 mg/Kg/d (not defined)
Inhalative	worker industrial, long term, systemic	29.39 mg/m3 (not defined)
	general population, long term, systemic	8.7 mg/m3 (not defined)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Oral	general population, long term, systemic	0.5 mg/Kg (not defined)
Dermal	worker industrial, long term, systemic	1 mg/Kg/d (not defined)
	general population, long term, systemic	0.5 mg/Kg/d (not defined)
Inhalative	worker industrial, long term, systemic	3.6 mg/m3 (not defined)
	general population, long term, systemic	0.87 mg/m3 (not defined)

· **PNECs**

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

freshwater	0.006 mg/l (not defined)
marine water	0.001 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	0.341 mg/Kg (not defined)
sediment, dry weight, marine water	0.034 mg/Kg (not defined)
soil, dry weight	0.065 mg/Kg (not defined)

(Contd. on page 5)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 4)

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-(2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane**

freshwater	0.003 mg/l (not defined)
marine water	0 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	0.294 mg/Kg (not defined)
sediment, dry weight, marine water	0.029 mg/Kg (not defined)
soil, dry weight	0.237 mg/Kg (not defined)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

freshwater	0.106 mg/l (not defined)
marine water	0.011 mg/l (not defined)
sewage treatment plant	10 mg/l (not defined)
sediment, dry weight, freshwater	307.16 mg/Kg (not defined)
sediment, dry weight, marine water	30.72 mg/Kg (not defined)
soil, dry weight	1,234 mg/Kg (not defined)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

- Keep away from foodstuffs, beverages and food.
- Instantly remove any soiled and impregnated garments.
- Wash hands during breaks and at the end of the work.
- Avoid contact with the eyes and skin.

· **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

· **Hand protection**

- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- chemical protection gloves are suitable, which are tested according to EN 374
- Check protective gloves prior to each use for their proper condition.

· **Material of gloves**

- PVC gloves
- NBR: acrylonitrile-butadiene rubber

· **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** eye protection (EN 166)

· **Body protection:** Protective work clothing.

· **Environmental exposure controls** Do not allow to enter the ground/soil.

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Light yellow

· **Smell:**

Characteristic

· **Odour threshold:**

Not determined.

(Contd. on page 6)

**Safety data sheet  
according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 5)

<ul style="list-style-type: none"> <li>· <b>Melting point/freezing point:</b> Not determined</li> <li>· <b>Boiling point or initial boiling point and boiling range</b> &gt;200 °C</li> <li>· <b>Flammability</b> Not applicable.</li> <li>· <b>Lower and upper explosion limit</b> <ul style="list-style-type: none"> <li>· <b>Lower:</b> Not determined.</li> <li>· <b>Upper:</b> Not determined.</li> </ul> </li> <li>· <b>Flash point:</b> &gt;100 °C</li> <li>· <b>Ignition temperature:</b> <b>Ingredients:</b> No information available Not determined.</li> <li>· <b>Decomposition temperature:</b> Not determined.</li> <li>· <b>SADT</b></li> <li>· <b>pH</b> Not determined.</li> <li>· <b>Viscosity:</b> <ul style="list-style-type: none"> <li>· <b>Kinematic viscosity at 40 °C</b> 800 mm<sup>2</sup>/s</li> <li>· <b>dynamic:</b> Not determined.</li> </ul> </li> <li>· <b>Solubility</b> <ul style="list-style-type: none"> <li>· <b>Water:</b> Not miscible or difficult to mix</li> </ul> </li> <li>· <b>Partition coefficient n-octanol/water (log value)</b> Not determined.</li> <li>· <b>Steam pressure at 20 °C:</b> 0.3 hPa</li> <li>· <b>Density and/or relative density</b> <ul style="list-style-type: none"> <li>· <b>Density at 20 °C</b> 1.15 g/cm<sup>3</sup></li> <li>· <b>Relative density</b> Not determined.</li> <li>· <b>Vapour density</b> Not determined.</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>· <b>9.2 Other information</b> No further relevant information available.</li> <li>· <b>Appearance:</b></li> <li>· <b>Form:</b> Fluid</li> <li>· <b>Important information on protection of health and environment, and on safety.</b></li> <li>· <b>Self-inflammability:</b> Product is not selfigniting.</li> <li>· <b>Explosive properties:</b> Product is not explosive.</li> <li>· <b>Change in condition</b></li> <li>· <b>Evaporation rate</b> Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>· <b>Information with regard to physical hazard classes</b></li> <li>· <b>Explosives</b> Void</li> <li>· <b>Flammable gases</b> Void</li> <li>· <b>Aerosols</b> Void</li> <li>· <b>Oxidising gases</b> Void</li> <li>· <b>Gases under pressure</b> Void</li> <li>· <b>Flammable liquids</b> Void</li> <li>· <b>Flammable solids</b> Void</li> <li>· <b>Self-reactive substances and mixtures</b> Void</li> <li>· <b>Pyrophoric liquids</b> Void</li> <li>· <b>Pyrophoric solids</b> Void</li> <li>· <b>Self-heating substances and mixtures</b> Void</li> <li>· <b>Substances and mixtures, which emit flammable gases in contact with water</b> Void</li> <li>· <b>Oxidising liquids</b> Void</li> <li>· <b>Oxidising solids</b> Void</li> <li>· <b>Organic peroxides</b> Void</li> <li>· <b>Corrosive to metals</b> Void</li> </ul>	

(Contd. on page 7)



**Safety data sheet  
 according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 6)

· **Desensitised explosives** Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Heat, flames and sparks.
- **10.5 Incompatible materials:**
  - organic peroxides
  - Strong oxidizers
- **10.6 Hazardous decomposition products:** None

**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
  - **Acute toxicity** Based on available data, the classification criteria are not met.

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

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

Oral	LD50	19,800 mg/kg (rabbit)
Dermal	LD50	>23,000 mg/kg (rabbit)

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-yl)methoxy]benzyl}phenoxy)methyl)oxirane**

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Oral	LD50	268,000 mg/kg (rat)
Dermal	LD50	≥4,000 mg/kg (rat)

- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane

List II

GB  
(Contd. on page 8)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 7)

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

EC50/48h	2.8 mg/l (daphnia) (OECD 202)
LC50/96h	1.75 mg/l (fish) (OECD 203)
NOEC / 21d	0.3 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	>11 mg/l (algae)
NOEC / 72h	4.2 mg/l (algae)
EbC50 / 72h	9.4 mg/l (algae)

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane**

EC50/72h	>1.8 mg/l (algae) (OECD 201)
NOEC / 21d	0.3 mg/l (daphnia) (OECD 211)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

LL50/96h	>100 mg/L (fish) (OECD 203)
EL50/48h	7.2 mg/L (daphnia) (OECD 202)
NOEC / 72h	500 mg/l (algae) (OECD 201)
NOEC / 96h	>100 mg/l (fish) (OECD 203)
NOELR	56 mg/L /21d (daphnia) (OECD 211)
EL50/21d	64 mg/L (daphnia) (OECD 211)

· **12.2 Persistence and degradability**

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

Biodegradation	5 % /28d (not defined) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)
----------------	--

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane**

Biodegradation	0 % /28d (not defined) (EU C.4-A)
----------------	-----------------------------------

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Biodegradation	87 % /28d (not defined) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)
----------------	---

· **12.3 Bioaccumulative potential**

**1675-54-3 Bis- [4- (2,3-epoxypropoxy) phenyl] propane**

Bloconcentration factor (BCF)	31 (not defined) ((Q)SAR)
-------------------------------	---------------------------

**Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane**

Bloconcentration factor (BCF)	150 (not defined)
-------------------------------	-------------------

· **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 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects**

- **Remark:** Toxic for fish

(Contd. on page 9)



**Safety data sheet  
 according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

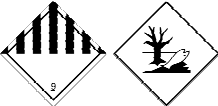
(Contd. of page 8)

- **Additional ecological information:**
- **General notes:**  
 Avoid transfer into the environment.  
 Do not allow product to reach ground water, water bodies or sewage system.  
 Danger to drinking water if even small quantities leak into soil.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
 Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN3082
- **14.2 UN proper shipping name**
- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700))
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)), MARINE POLLUTANT
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700))
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 9 (M6) Miscellaneous dangerous substances and articles.
- **Label** 9

(Contd. on page 10)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

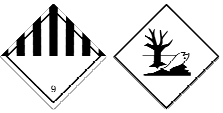
Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 9)

<p>· <b>IMDG, IATA</b></p> 	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles.
· <b>Label</b>	9
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
· <b>Kemler Number:</b>	90
· <b>EMS Number:</b>	F-A, S-F
· <b>Stowage Category</b>	A
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	-
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN); EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT ≤ 700)), 9, III

GB

(Contd. on page 11)

**Safety data sheet  
 according to 1907/2006/EC, Article 31**

Printing date 09.06.2022

Version number 7 (replaces version 6)

Revision: 09.06.2022

**Trade name: Technovit EPOX Resin**

(Contd. of page 10)

**SECTION 15: Regulatory information**

- **15.1 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.
    - **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
    - **Information about limitation of use:**  
 Employment restrictions concerning young persons must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
  - 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.
- **Abbreviations and acronyms:**
  - SADT: Self Accelerating Decomposition Temperature
  - ADR: Accord relatif au transport international 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 (UK REACH)
  - PNEC: Predicted No-Effect Concentration (UK REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - 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
- **Sources**
  - (EC) 1272/2008: classification, labelling and packaging of substances and mixtures
  - (EC) 1907/2006: UK REACH
  - ADR/RID/ADN - IMDG - IATA: transport of dangerous goods by road, rail, inland waterway, with maritime vessels and for the air transport
- **\* Data compared to the previous version altered.**