

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

Printing date 10.06.2022

Version number 8 (replaces version 7)

Revision: 10.06.2022

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

- **1.1 Product identifier**
 - Trade name: **Technovit EPOX Hardener fast**
- **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
- **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**
Acute Tox. 4 H302 Harmful if swallowed.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 2 H361d Suspected of damaging the unborn child.
Aquatic Chronic 3 H412 Harmful 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**



GHS05 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
3-aminomethyl-3,5,5-trimethylcyclohexylamine
Benzyl alcohol
salicylic acid
m-phenylenebis(methylamine)
- **Hazard statements**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P260 Do not breathe dusts or mists.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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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.*

P405 *Store locked up.*

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: 100-51-6 EINECS: 202-859-9 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol ----- Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319 ATE: LD50 oral: 1,045 mg/kg LC50/4 h inhalative: 4.178 mg/l	≥25-<50%
CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine ----- Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317 Aquatic Chronic 3, H412 ATE: LD50 oral: 1,030 mg/kg LD50 dermal: 1,100 mg/kg	≥25-<50%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx	m-phenylenebis(methylamine) ----- Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071 ATE: LD50 oral: 500 mg/kg LC50/4 h inhalative: 1.34 mg/l	≥5-<10%
CAS: 69-72-7 EINECS: 200-712-3 Reg.nr.: 01-2119486984-17-xxxx	salicylic acid ----- Repr. 2, H361d Eye Dam. 1, H318 Acute Tox. 4, H302 ATE: LD50 oral: 891 mg/kg	≥3-<10%

· **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

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

Personal protection for the First Aider.

Keep warm, position comfortably and cover well.

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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- **After inhalation**
Take affected persons into the open air and position comfortably
In case of unconsciousness bring patient into stable side position for transport.
Supply fresh air or oxygen; call for doctor.
- **After skin contact**
Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Use eye protection.
Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; instantly call for medical help.
- **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.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
 - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
 - **Protective equipment:**
Wear self-contained breathing apparatus.
(EN 133)
Wear full protective suit.
 - **Additional information** Cool endangered containers with water spray jet.

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.
Do not breathe vapor / mist / gas.
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.
See Section 13 for information on disposal.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Wear protective equipment. Keep unprotected persons away.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

Do not breathe vapor / mist / gas.

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:** Protect from heat.

· **Handling**

do not mix with

Strong oxidizers

Strong acids

· 7.2 Conditions for safe storage, including any incompatibilities

· **Storage**

· **Requirements to be met by storerooms and containers:**

Suitable material for containers and pipes: Copper.

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**

100-51-6 Benzyl alcohol

Oral	general population, acute, systemic	20 mg/Kg (not defined)
	general population, long term, systemic	4 mg/Kg (not defined)
Dermal	worker professional, acute, systemic	40 mg/Kg/d (not defined)
	worker industrial, long term, systemic	8 mg/Kg/d (not defined)
Inhalative	general population, acute, systemic	20 mg/Kg/d (not defined)
	general population, long term, systemic	4 mg/Kg/d (not defined)
	worker industrial, acute, systemic	110 mg/m ³ (not defined)
	worker industrial, long term, systemic	22 mg/m ³ (not defined)
	general population, acute, systemic	27 mg/m ³ (not defined)
	general population, long term, systemic	5.4 mg/m ³ (not defined)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	worker professional, long term, systemic	0.526 mg/Kg (not defined)
	general population, long term, systemic	0.526 mg/Kg (not defined)
Inhalative	worker professional, acute, local	0.073 mg/m ³ (not defined)

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	<i>worker industrial, long term, local</i>	<i>0.073 mg/m3 (not defined)</i>
1477-55-0 m-phenylenebis(methylamine)		
<i>Dermal</i>	<i>worker industrial, long term, systemic</i>	<i>0.33 mg/Kg/d (not defined)</i>
<i>Inhalative</i>	<i>worker industrial, long term, systemic</i>	<i>1.2 mg/m3 (not defined)</i>
	<i>worker industrial, long term, local</i>	<i>0.2 mg/m3 (not defined)</i>
69-72-7 salicylic acid		
<i>Oral</i>	<i>general population, acute, systemic</i>	<i>4 mg/Kg (not defined)</i>
	<i>general population, long term, systemic</i>	<i>1 mg/Kg (not defined)</i>
<i>Dermal</i>	<i>worker industrial, long term, systemic</i>	<i>2.3 mg/Kg/d (not defined)</i>
	<i>general population, long term, systemic</i>	<i>1 mg/Kg/d (not defined)</i>
<i>Inhalative</i>	<i>worker industrial, long term, systemic</i>	<i>5 mg/m3 (not defined)</i>
	<i>worker industrial, long term, local</i>	<i>5 mg/m3 (not defined)</i>
	<i>general population, long term, systemic</i>	<i>4 mg/m3 (not defined)</i>
· PNECs		
100-51-6 Benzyl alcohol		
	<i>freshwater</i>	<i>1 mg/l (not defined)</i>
	<i>marine water</i>	<i>0.1 mg/l (not defined)</i>
	<i>sewage treatment plant</i>	<i>39 mg/l (not defined)</i>
	<i>sediment, dry weight, freshwater</i>	<i>5.27 mg/Kg (not defined)</i>
	<i>sediment, dry weight, marine water</i>	<i>0.527 mg/Kg (not defined)</i>
	<i>soil, dry weight</i>	<i>0.456 mg/Kg (not defined)</i>
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
	<i>freshwater</i>	<i>0.06 mg/l (not defined)</i>
	<i>marine water</i>	<i>0.006 mg/l (not defined)</i>
	<i>sewage treatment plant</i>	<i>3.18 mg/l (not defined)</i>
	<i>sediment, dry weight, freshwater</i>	<i>5.784 mg/Kg (not defined)</i>
	<i>sediment, dry weight, marine water</i>	<i>0.578 mg/Kg (not defined)</i>
	<i>soil, dry weight</i>	<i>1.121 mg/Kg (not defined)</i>
1477-55-0 m-phenylenebis(methylamine)		
	<i>freshwater</i>	<i>0.094 mg/l (not defined)</i>
	<i>marine water</i>	<i>0.009 mg/l (not defined)</i>
	<i>sewage treatment plant</i>	<i>10 mg/l (not defined)</i>
	<i>sediment, dry weight, freshwater</i>	<i>12.4 mg/Kg (not defined)</i>
	<i>sediment, dry weight, marine water</i>	<i>1.24 mg/Kg (not defined)</i>
	<i>soil, dry weight</i>	<i>2.44 mg/Kg (not defined)</i>
69-72-7 salicylic acid		
	<i>freshwater</i>	<i>0.2 mg/l (not defined)</i>
	<i>marine water</i>	<i>0.02 mg/l (not defined)</i>
	<i>sewage treatment plant</i>	<i>162 mg/l (not defined)</i>
	<i>sediment, dry weight, freshwater</i>	<i>1.42 mg/Kg (not defined)</i>
	<i>sediment, dry weight, marine water</i>	<i>0.412 mg/Kg (not defined)</i>
	<i>soil, dry weight</i>	<i>0.166 mg/Kg (not defined)</i>

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

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· 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.
 Filter A.

· Hand protection

If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization.

Check protective gloves prior to each use for their proper condition.

chemical protection gloves are suitable, which are tested according to EN 374

· 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.

NBR: acrylonitrile-butadiene rubber

Chloroprene rubber, CR

PVC gloves

· Penetration time of glove material

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

>480 min

· 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:

Yellow

· Smell:

Like ammoniac

· Odour threshold:

Not determined.

· Melting point/freezing point:

Not determined

· Boiling point or initial boiling point and boiling range

>200 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

>100 °C

· Ignition temperature:

380 °C (2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

· Decomposition temperature:

Not determined.

· SADT

· pH

Not determined.

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<ul style="list-style-type: none"> · Viscosity: <ul style="list-style-type: none"> · Kinematic viscosity · dynamic at 20 °C: · Solubility <ul style="list-style-type: none"> · Water: · Partition coefficient n-octanol/water (log value) · Steam pressure at 50 °C: · Density and/or relative density <ul style="list-style-type: none"> · Density at 20 °C · Relative density · Vapour density 	<p>Not determined. 275-375 mPas</p> <p>Not miscible or difficult to mix</p> <p>Not determined. <5 hPa</p> <p>1.04 g/cm³ Not determined. Not determined.</p>
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: <ul style="list-style-type: none"> · Form: · Important information on protection of health and environment, and on safety. <ul style="list-style-type: none"> · Self-inflammability: · Explosive properties: · Change in condition <ul style="list-style-type: none"> · Evaporation rate 	<p>No further relevant information available.</p> <p>Fluid</p> <p>Product is not selfigniting. Product is not explosive.</p> <p>Not determined.</p>
<ul style="list-style-type: none"> · Information with regard to physical hazard classes <ul style="list-style-type: none"> · Explosives · Flammable gases · Aerosols · Oxidising gases · Gases under pressure · Flammable liquids · Flammable solids · Self-reactive substances and mixtures · Pyrophoric liquids · Pyrophoric solids · Self-heating substances and mixtures · Substances and mixtures, which emit flammable gases in contact with water · Oxidising liquids · Oxidising solids · Organic peroxides · Corrosive to metals · Desensitised explosives 	<p>Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void Void</p>

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**
 - Reacts with strong acids
 - Reacts with oxidizing agents
- **10.4 Conditions to avoid** Heat, flames and sparks.

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- **10.5 Incompatible materials:**
 - Strong acids
 - Strong oxidizers
- **10.6 Hazardous decomposition products:** None
- **Additional information:** -

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
 - **Acute toxicity**
Harmful if swallowed.

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

100-51-6 Benzyl alcohol

Oral	LD50	1,045 mg/kg (ATE) 1,045 mg/kg (rat)
Inhalative	LC50/4 h	4.178 mg/l (ATE) >4.178 mg/l (rat)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	LD50	1,030 mg/kg (ATE) 1,030 mg/kg (rat) (OECD 401)
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	LC50/4 h	>5.01 mg/l (rat) (OECD 403)

1477-55-0 m-phenylenebis(methylamine)

Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	>3,100 mg/kg (rat)
Inhalative	LC50/4 h	1.34 mg/l (ATE) 1.34 mg/l (rat) (OECD 403)

69-72-7 salicylic acid

Oral	LD50	891 mg/kg (ATE) 891 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **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**
Suspected of damaging the unborn child.
- **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.
- **Additional toxicological information:**
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
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11.2 Information on other hazards

Endocrine disrupting properties

69-72-7 salicylic acid

List II, III

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

100-51-6 Benzyl alcohol

EC50/21d	66 mg/L (daphnia) (OECD 211)
EC50/48h	230 mg/l (daphnia) (OECD 202)
LC50/96h	460 mg/l (fish) (EPA OPP 72-1)
NOEC / 21d	51 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	770 mg/l (algae) (OECD 201)
NOEC / 72h	310 mg/l (algae) (OECD 201)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

EC50/48h	23 mg/l (daphnia) (OECD 202)
LC50/96h	110 mg/l (fish) (EU C.1)
NOEC / 21d	3 mg/l (daphnia) (OECD 202)
ErC50 / 72 h (static)	>50 mg/l (algae) (EU C.3)
NOEC / 72h (dynamic)	1.5 mg/l (algae) (EU C.3)
NOEC / 48h	8.3 mg/l (daphnia) (OECD 202)
ErC10/72h	11.2 mg/L (daphnia) (EU C.3)

1477-55-0 m-phenylenebis(methylamine)

EC50/21d	8.4 mg/L (daphnia) (OECD 211)
EC50/48h	15.2 mg/l (daphnia) (OECD 202)
LC50/96h	87.6 mg/l (fish) (OECD 203)
NOEC / 21d	4.7 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	33.3 mg/l (algae) (OECD 201)
NOEC / 72h	22.9 mg/l (algae) (OECD 201)

69-72-7 salicylic acid

EC50/72h	>100 mg/l (algae) (OECD 201)
EC50/48h	870 mg/l (daphnia) (OECD 202)
LC50/96h	1,370 mg/l (fish) (OECD 203)
NOEC / 21d	10 mg/l (daphnia) (OECD 202)

12.2 Persistence and degradability

100-51-6 Benzyl alcohol

Biodegradation 95 % /21d (not defined) (OECD 201 A; ISO/ 7827/ EEC 92/ 69/V, C.4-A)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Biodegradation 8 % /28d (not defined) (EU C.4-A)

1477-55-0 m-phenylenebis(methylamine)

Biodegradation 49 % /28d (not defined) (OECD 301B; ISO/ 9439/ EEC 92/69/V, C.4-C)

69-72-7 salicylic acid

Biodegradation >90 % /4d (not defined) (EU C.9)

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- **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 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
 - **Remark:** Harmful to aquatic organisms
 - **Additional ecological information:**
 - **General notes:**
Harmful to aquatic organisms
Avoid transfer into the environment.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
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**
Disposal must be made according to official regulations.
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.

SECTION 14: Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA | <p>UN2735</p> |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA | <p>2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORONEDIAMINE, m-phenylenebis(methylamine))
AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORONEDIAMINE, m-phenylenebis(methylamine))</p> |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR | <p></p> |
| <ul style="list-style-type: none"> · Class | <p>8 (C7) Corrosive substances.</p> |

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· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	Yes
· 14.6 Special precautions for user	Warning: Corrosive substances.
· Kemler Number:	80
· EMS Number:	F-A, S-B
· Segregation groups	Alkalis
· Stowage Category	A
· Segregation Code	SG35 Stow "separated from" SGG1-acids
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	-
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, M-PHENYLENEBIS(METHYLAMINE)), 8, II

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.

(Contd. on page 12)

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

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Trade name: Technovit EPOX Hardener fast

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- **Seveso category** not assigned
- **Information about limitation of use:**
 Employment restrictions concerning young persons must be observed.
 Employment restrictions concerning pregnant and lactating women 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**

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H361d Suspected of damaging the unborn child.
- H412 Harmful to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

· **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
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- 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
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Repr. 2: Reproductive toxicity – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **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.**