

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

Printing date 17.06.2021


Version number 5

Revision: 17.06.2021

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

- **1.1 Product identifier**
 - Trade name: **Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material**
- **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 *Ceramic repair material*
- **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**
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 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 CLP regulation.
 - **Hazard pictograms**
- 

GHS07
- **Signal word** *Warning*
 - **Hazard-determining components of labelling:**
 triethylen glycol dimethacrylate
 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate
 methyl methacrylate
 - **Hazard statements**
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.
 - **Precautionary statements**
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Dangerous components:

| | | |
|--|--|----------|
| CAS: 109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21-xxxx | triethylen glycol dimethacrylate Skin Sens. 1B, H317 | ≥10-≤25% |
| CAS: 72869-86-4 EINECS: 276-957-5 Reg.nr.: 01-2120751202-68-xxxx | 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate Aquatic Chronic 2, H411 Skin Sens. 1B, H317 | ≥10-<25% |
| CAS: 79-41-4 EINECS: 201-204-4 Reg.nr.: 01-2119463884-26-xxxx | methacrylic acid Acute Tox. 3, H311 Skin Corr. 1A, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 10 % Skin Irrit. 2; H315: 1 % ≤ C < 10 % Eye Dam. 1; H318: C ≥ 3 % Eye Irrit. 2; H319: 1 % ≤ C < 3 % STOT SE 3; H335: C ≥ 1 % | <1% |
| CAS: 80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28-xxxx | methyl methacrylate Flam. Liq. 2, H225 Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 | ≥0.1-<1% |

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.

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

In case of persistent symptoms consult doctor.

Rinse out mouth and then drink plenty of water.

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.

GB

(Contd. on page 3)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 2)

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**
Formation of toxic gases is possible during heating or in case of fire.
Can be released in case of fire
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
 - **Protective equipment:**
Wear self-contained breathing apparatus.
(EN 133)
 - **Additional information** Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes and skin.
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources
- **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Damp down gases/fumes/haze with water spray jet.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).
Dispose of the material collected according to regulations.
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**
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
Keep away from heat and direct sunlight.
 - **Handling**
do not mix with
Radical initiator
organic peroxides
Strong bases
Strong oxidizers
reducing agent
Strong acids
metals

(Contd. on page 4)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 3)

- **Information about protection against explosions and fires:**
 Protect from heat.
 Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** Store in cool location.
 - **Information about storage in one common storage facility:** Store away from foodstuffs.
 - **Further information about storage conditions:**
 Store cool (not above 25 °C).
 Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Additional information about design of technical systems:** No further data; see item 7.
 - **Components with critical values that require monitoring at the workplace:**

79-41-4 methacrylic acid

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 143 mg/m ³ , 40 ppm Long-term value: 72 mg/m ³ , 20 ppm |
|---------------------|--|

80-62-6 methyl methacrylate

| | |
|------------------------|--|
| WEL (Great Britain) | Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm |
| IOELV (European Union) | Short-term value: 100 ppm Long-term value: 50 ppm |

· **DNELs**

109-16-0 triethylen glycol dimethacrylate

| | | |
|------------|-------------------------------|-----------------------------|
| Oral | ge.pop., l.te, syst. | 8.33 mg/Kg (nd) |
| Dermal | worker industr., l.te., syst. | 13.9 mg/Kg/d (nd) |
| | ge.pop., l.te, syst. | 8.33 mg/Kg/d (nd) |
| Inhalative | worker industr., l.te., syst. | 48.5 mg/m ³ (nd) |
| | ge.pop., l.te, syst. | 14.5 mg/m ³ (nd) |

72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate

| | | |
|------------|-------------------------------|----------------------------|
| Oral | ge.pop., l.te, syst. | 0.3 mg/Kg (nd) |
| Dermal | worker industr., l.te., syst. | 1.3 mg/Kg/d (nd) |
| | ge.pop., l.te, syst. | 0.7 mg/Kg/d (nd) |
| Inhalative | worker industr., l.te., syst. | 3.3 mg/m ³ (nd) |
| | ge.pop., l.te, syst. | 0.6 mg/m ³ (nd) |

79-41-4 methacrylic acid

| | | |
|------------|-------------------------------|-----------------------------|
| Dermal | worker industr., l.te., syst. | 4.25 mg/Kg/d (nd) |
| | ge.pop., l.te, syst. | 2.55 mg/Kg/d (nd) |
| Inhalative | worker industr., l.te., local | 88 mg/m ³ (nd) |
| | worker profess., l.te., syst. | 29.6 mg/m ³ (nd) |
| | ge.pop., l.te, syst. | 6.3 mg/m ³ (nd) |

(Contd. on page 5)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 4)

| | | |
|------------------------------------|-------------------------------|--------------------|
| | ge.pop., l.te, local | 6.55 mg/m3 (nd) |
| 80-62-6 methyl methacrylate | | |
| Oral | ge.pop., l.te, syst. | 8.2 mg/Kg (nd) |
| Dermal | worker industr., l.te., syst. | 13.67 mg/Kg/d (nd) |
| | ge.pop., l.te, syst. | 8.2 mg/Kg/d (nd) |
| Inhalative | worker industr., acute, local | 416 mg/m3 (nd) |
| | worker industr., l.te., syst. | 348.4 mg/m3 (nd) |
| | worker industr., l.te., local | 208 mg/m3 (nd) |
| | ge.pop., acu., local | 208 mg/m3 (nd) |
| | ge.pop., l.te, syst. | 74.3 mg/m3 (nd) |

· PNECs

109-16-0 triethylen glycol dimethacrylate

| | |
|----------------------|------------------|
| freshwater | 0.016 mg/l (nd) |
| marine water | 0.002 mg/l (nd) |
| STP | 1.7 mg/l (nd) |
| sedim., dw, fre.wat. | 0.185 mg/Kg (nd) |
| sedim., dw, mar.wat. | 0.018 mg/Kg (nd) |
| soil,dw | 0.027 mg/Kg (nd) |

72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyI bismethacrylate

| | |
|----------------------|-----------------|
| freshwater | 0.01 mg/l (nd) |
| marine water | 0.001 mg/l (nd) |
| STP | 3.61 mg/l (nd) |
| sedim., dw, fre.wat. | 4.56 mg/Kg (nd) |
| sedim., dw, mar.wat. | 0.46 mg/Kg (nd) |
| soil,dw | 0.91 mg/Kg (nd) |

80-62-6 methyl methacrylate

| | |
|----------------------|------------------|
| freshwater | 0.94 mg/l (aqua) |
| | 0.94 mg/l (nd) |
| marine water | 0.094 mg/l (nd) |
| STP | 10 mg/l (nd) |
| sedim., dw, fre.wat. | 10.2 mg/Kg (nd) |
| sedim., dw, mar.wat. | 0.102 mg/Kg (nd) |
| soil,dw | 1.48 mg/Kg (nd) |

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

· 8.2 Exposure controls

· Personal protective equipment

· General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.
 Do not eat or drink while working.
 Avoid contact with the eyes and skin.
 Instantly remove any soiled and impregnated garments.
 Wash hands during breaks and at the end of the work.

· Breathing equipment:

Use breathing protection in case of insufficient ventilation.

(Contd. on page 6)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 5)

Filter A/P2.

Protection of hands:

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

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

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

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.

NBR: acrylonitrile-butadiene rubber (0,11 mm)

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.

>30 min

· **Eye protection:** eye protection (EN 166)

· **Body protection:** Light weight protective clothing

Limitation and supervision of exposure into the environment

Do not allow to enter drainage system, surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

· **Form:**

Pasty

· **Colour:**

White

Grey

· **Smell:**

Weak, characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

Change in condition

· **Melting point/freezing point:**

Not determined

· **Initial boiling point and boiling range:** Not determined

· **Flash point:**

Not applicable

· **Inflammability (solid, gaseous)**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

Critical values for explosion:

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Steam pressure:**

Not determined

Not determined.

(Contd. on page 7)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 6)

| | |
|--|--|
| · Density | Not determined |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with | |
| · Water: | Not miscible or difficult to mix |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| · dynamic: | Not determined. |
| · kinematic: | Not determined. |
| · 9.2 Other information | No further relevant information available. |

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** Exothermic polymerisation
- **10.4 Conditions to avoid** Heat, flames and sparks.
- **10.5 Incompatible materials:**
 - organic peroxides
 - Radical initiator
 - reducing agent
 - Strong bases
 - Strong oxidizers
 - Strong acids
 - metals
- **10.6 Hazardous decomposition products:** None

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 that are relevant for classification:**

| | | |
|---|----------|-------------------------------|
| 109-16-0 triethylen glycol dimethacrylate | | |
| Oral | LD50 | 8,300 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (mouse) |
| 72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diyl bismethacrylate | | |
| Oral | LD50 | >5,000 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >2,000 mg/kg (rat) (OECD 402) |
| 79-41-4 methacrylic acid | | |
| Oral | LD50 | 1,320 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | 500-1,000 mg/kg (rab) |
| Inhalative | LC50/4 h | 7.1 mg/l (rat) (OECD 403) |

(Contd. on page 8)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 7)

80-62-6 methyl methacrylate

| | | |
|------------|----------|-------------------------------|
| Oral | LD50 | ~7,900 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rab) (OECD 402) |
| Inhalative | LC50/4 h | 29.8 mg/l (rat) |

- **Primary irritant effect:**
 - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
 - **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Additional toxicological information:**
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **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:**

109-16-0 triethylen glycol dimethacrylate

| | |
|--------------|--------------------------------|
| EC50/21d | 51.9 mg/L (daphnia) (OECD 211) |
| LC50/96h | 16.4 mg/l (fish) (OECD 203) |
| NOEC / 21d | 32 mg/l (daphnia) (OECD 211) |
| ErC50 / 72 h | >100 mg/l (algae) (OECD 201) |
| NOEC / 72h | 18.6 mg/l (algae) (OECD 201) |
| EbC50 / 72h | 72.8 mg/l (algae) (OECD 201) |

72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate

| | |
|--------------|--------------------------------|
| EC50/48h | >1.2 mg/l (daphnia) (OECD 202) |
| LC50/96h | 10.1 mg/l (fish) (OECD 203) |
| ErC50 / 72 h | >0.68 mg/l (algae) (OECD 201) |
| NOEC / 72h | 0.21 mg/l (algae) (OECD 201) |

79-41-4 methacrylic acid

| | |
|--------------|--|
| EC50/48h | >130 mg/l (daphnia) (EPA OTS 797.1300) |
| LC50/96h | 85 mg/l (fish) (EPA OTS 797.1400) |
| NOEC / 21d | 53 mg/l (daphnia) |
| ErC50 / 72 h | 45 mg/l (algae) (OECD 201) |
| NOEC / 72h | 8.2 mg/l (algae) (OECD 201) |
| NOEC / 96h | 12 mg/l (fish) (EPA OTS 797.1400) |
| NOEC / 48h | 130 mg/l (daphnia) (EPA OTS 797.1300) |

80-62-6 methyl methacrylate

| | |
|----------|------------------------------|
| EC50/21d | 49 mg/L (daphnia) (OECD 211) |
|----------|------------------------------|

(Contd. on page 9)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 8)

| | |
|--------------|--------------------------------------|
| EC50/48h | 69 mg/l (daphnia) (EPA OTS 797.1300) |
| NOEC / 21d | 37 mg/l (daphnia) (OECD 211) |
| ErC50 / 72 h | >110 mg/l (algae) (OECD 201) |
| NOEC / 72h | 110 mg/l (algae) (OECD 201) |
| NOEC / 48h | 48 mg/l (daphnia) (EPA OTS 797.1300) |
| EbC50 / 72h | >110 mg/l (algae) (OECD 201) |
| NOEC/ 35d | 9.4 mg/L (fish) (OECD 210) |
| LC50/ 35d | 33.7 mg/L (fish) (OECD 210) |

12.2 Persistence and degradability

109-16-0 triethylen glycol dimethacrylate

Biodegradation 85 % /28d (nd) (OECD 301B; ISO/ 9439/ EEC 92/69/V, C.4-C)

72869-86-4 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazaheptadecane-1,16-diyl bismethacrylate

Biodegradation 22 % /28d (nd) (OECD 301B; ISO/ 9439/ EEC 92/69/V, C.4-C)

79-41-4 methacrylic acid

Biodegradation 86 % /28d (nd) (OECD 301D)

80-62-6 methyl methacrylate

Biodegradation 94 % /14d (nd) (OECD 301C)

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Small quantities can be polymerized by light and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

(Contd. on page 10)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow ceramic repair material

(Contd. of page 9)

| | |
|--|-----------------|
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | Void |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | - |
| · UN "Model Regulation": | Void |

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.
 - **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**
 - H225 Highly flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - H311 Toxic in contact with skin.
 - H314 Causes severe skin burns and eye damage.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H318 Causes serious eye damage.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H411 Toxic to aquatic life with long lasting effects.
- **Abbreviations and acronyms:**
 - 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)

(Contd. on page 11)

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

Printing date 17.06.2021

Version number 5

Revision: 17.06.2021

**Trade name: Technovit 2511/ 25100/ 25135/ 25175/ 25196/ 25245 flow
ceramic repair material**

(Contd. of page 10)

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

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – 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: REACH

ADR/RID/ADN - IDMG - 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.**

GB