

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

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

### 1.1 Product identifier

Trade name: **Technovit 7210 VLC**

### 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 Fixation adhesive

### 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

Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.
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



GHS02 GHS05 GHS07

#### Signal word Danger

#### Hazard-determining components of labelling:

methyl methacrylate  
(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate  
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide  
2-(2H-Benzotriazol-2-yl)-p-cresol

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.

(Contd. on page 2)

GB

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 1)

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

· **2.3 Other hazards -**

· **Results of PBT and vPvB assessment**

- PBT: Not applicable.
- vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients**

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Product based on methacrylates

· **Dangerous components:**

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	≥25-≤75%
CAS: 32435-46-4 EINECS: 251-040-2	Bis[2-(methacryloyloxy)ethyl]phosphat ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥5-<10%
CAS: 40220-08-4 EINECS: 254-843-6 Reg.nr.: 01-2120741502-64-xxxx	(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate ----- Eye Dam. 1, H318 Aquatic Chronic 2, H411 Skin Sens. 1B, H317	≥3-<5%
CAS: 75980-60-8 EINECS: 278-355-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide ----- Repr. 2, H361f Aquatic Chronic 2, H411 Skin Sens. 1B, H317	≥1-<2.5%
CAS: 2440-22-4 EINECS: 219-470-5 Reg.nr.: 01-2119583811-34-xxxx	2- (2H-Benzotriazol-2-yl) -p-cresol ----- Aquatic Chronic 1, H410 Skin Sens. 1, H317	≥0.25-<1%

· **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 into the open air.  
 Instantly remove any clothing soiled by the product.  
 Personal protection for the First Aider.

· **After inhalation**

In case of unconsciousness bring patient into stable side position for transport.  
 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.  
 If skin irritation or rash occurs: Get medical advice/attention.

(Contd. on page 3)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 2)

- **After eye contact**  
Rinse opened eye for several minutes under running water. Then consult doctor.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Use eye protection.
- **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.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
  - **For safety reasons unsuitable extinguishing agents** Water.
- **5.2 Special hazards arising from the substance or mixture**  
Can form explosive gas-air mixtures.  
Can be released in case of fire  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
phosphorus oxides (P<sub>x</sub>O<sub>y</sub>)  
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)
  - **Additional information**  
Cool endangered containers with water spray jet.  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**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  
Keep away from ignition sources
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Damp down gases/fumes/haze with water spray jet.  
Keep dirty washing water for appropriate disposal.  
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).  
Do not flush with water or aqueous cleansing agents  
Send for recovery or disposal in suitable containers.  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**  
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

GB

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

See Section 7 for information on safe handling

(Contd. of page 3)

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Keep containers tightly sealed.
- Prevent formation of aerosols.
- Avoid contact with eyes and skin.
- Do not breathe vapor / mist / gas.
- Ensure good ventilation/exhaustion at the workplace.
- Keep away from heat and direct sunlight.

**Handling**

- do not mix with  
organic peroxides
- Radical initiator  
amine
- Strong oxidizers  
reducing agent
- metals
- Strong acids

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

- Keep ignition sources away - Do not smoke.
- Fumes can combine with air to form an explosive mixture.
- Do not spray on flames or red-hot objects.
- Protect against electrostatic charges.

**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:** Not required.
- Further information about storage conditions:**  
Store cool (not above 25 °C).  
Store in cool, dry conditions in well sealed containers.

**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:**

**80-62-6 methyl methacrylate**

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

**DNELs**

**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/m <sup>3</sup> (nd)

(Contd. on page 5)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 4)

	worker industr., l.te., syst.	348.4 mg/m <sup>3</sup> (nd)
	worker industr., l.te., local	208 mg/m <sup>3</sup> (nd)
	ge.pop., acu., local	208 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	74.3 mg/m <sup>3</sup> (nd)
<b>40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate</b>		
Oral	ge.pop., l.te, syst.	0.083 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	2.3 mg/Kg/d (nd)
	ge.pop., l.te, syst.	0.83 mg/Kg/d (nd)
Inhalative	worker industr., l.te., syst.	1.65 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	0.29 mg/m <sup>3</sup> (nd)
<b>75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>		
Oral	ge.pop., l.te, syst.	0.0833 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	0.233 mg/Kg/d (nd)
	ge.pop., l.te, syst.	0.0833 mg/Kg/d (nd)
Inhalative	worker industr., l.te., syst.	0.822 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	0.145 mg/m <sup>3</sup> (nd)
<b>2440-22-4 2- (2H-Benzotriazol-2-yl) -p-cresol</b>		
Oral	ge.pop., l.te, syst.	1.2 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	2.5 mg/Kg/d (nd)
	ge.pop., l.te, syst.	1.2 mg/Kg/d (nd)
Inhalative	worker industr., acute, syst.	1 mg/m <sup>3</sup> (nd)
	worker industr., l.te., syst.	1 mg/m <sup>3</sup> (nd)
	worker profess., l.te., local	1 mg/m <sup>3</sup> (nd)

**PNECs**
**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)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

freshwater	0.00943 mg/l (nd)
marine water	0.000943 mg/l (nd)
STP	10 mg/l (nd)
sedim., dw, fre.wat.	0.62 mg/Kg (nd)
sedim., dw, mar.wat.	0.062 mg/Kg (nd)
soil,dw	0.118 mg/Kg (nd)

**75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

freshwater	0.0014 mg/l (nd)
marine water	0.00014 mg/l (nd)
sedim., dw, fre.wat.	0.115 mg/Kg (nd)
sedim., dw, mar.wat.	0.0115 mg/Kg (nd)

(Contd. on page 6)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 5)

soil,dw	0.0222 mg/Kg (nd)
<b>2440-22-4 2- (2H-Benzotriazol-2-yl) -p-cresol</b>	
freshwater	0.00026 mg/l (nd)
marine water	0.000026 mg/l (nd)
interm. wat. release	1 mg/l (nd)
STP	1 mg/l (nd)
sedim., dw, fre.wat.	0.136 mg/Kg (nd)
sedim., dw, mar.wat.	0.0136 mg/Kg (nd)
soil,dw	11 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**

Keep away from foodstuffs, beverages and food.

Do not eat or drink while working.

The usual precautionary measures should be adhered to in handling the chemicals.

Do not inhale gases / fumes / aerosols.

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/P2.

· **Protection of hands:**

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.

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

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

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. 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 (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 the ground/soil.

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

GB

(Contd. on page 7)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

Trade name: **Technovit 7210 VLC**

(Contd. of page 6)

### SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Colour:</b>	Colourless
· <b>Smell:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
· <b>Melting point/freezing point:</b>	Not determined
· <b>Initial boiling point and boiling range:</b>	>35 °C
· <b>Flash point:</b>	<23 °C
· <b>Inflammability (solid, gaseous)</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
· <b>Critical values for explosion:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Steam pressure:</b>	Not determined.
· <b>Density at 20 °C</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>dynamic:</b>	Not determined.
· <b>kinematic:</b>	Not determined.
· <b>9.2 Other information</b>	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**
  - moisture exposure
  - Heat, flames and sparks.
- **10.5 Incompatible materials:**
  - organic peroxides
  - Radical initiator

(Contd. on page 8)

GB

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

amine  
Strong oxidizers  
reducing agent  
metals  
Strong acids  
· **10.6 Hazardous decomposition products:** None

(Contd. of page 7)

**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:**

**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)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

Oral	LD50	>2,000 mg/kg (rat) (OECD 423)
------	------	-------------------------------

**75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

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

**2440-22-4 2- (2H-Benzotriazol-2-yl) -p-cresol**

Oral	LD50	10,000 mg/kg (rat) (OECD 423)
------	------	-------------------------------

· **Primary irritant effect:**

· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye damage.

· **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**

May cause respiratory irritation.

· **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:**

**80-62-6 methyl methacrylate**

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

(Contd. on page 9)

GB



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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 8)

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)

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

EC50/48h	158.3 mg/l (daphnia) (OECD 202)
LC50/96h	9.43 mg/l (fish) (OECD 203)
ErC50 / 72 h	25.7 mg/l (algae) (OECD 201)
ErC10/72h	12.9 mg/L (algae) (OECD 201)

**75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

EC50/48h	10,100 mg/l (algae) 3.53 mg/l (daphnia) (OECD 202)
LC50/96h	1.4 mg/l (fish) (OECD 203)
ErC50 / 72 h	>2.01 mg/l (algae) (OECD 201)
ErC10/72h	1.56 mg/L (algae) (OECD 201)

**2440-22-4 2- (2H-Benzotriazol-2-yl) -p-cresol**

EC50/72h	>100 mg/l (algae)
EC50/21d	0.015 mg/L (daphnia) (OECD 211)
LC50/96h	>0.17 mg/l (fish) (OECD 203)
NOEC / 21d	0.013 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	>0.0822 mg/l (algae) (OECD 201)
NOEC / 96h	0.17 mg/l (fish) (OECD 203)
EC50 / 24h	>1,000 mg/l (daphnia) (OECD 202)
ErC10/72h	58.8 mg/L (algae) (OECD 201)

**12.2 Persistence and degradability**

**80-62-6 methyl methacrylate**

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

**40220-08-4 (2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate**

Biodegradation	14.5-19.7 % /28d (nd) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)
----------------	-----------------------------------------------------------------

**75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

Biodegradation	0-10 % /28d (nd) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)
----------------	------------------------------------------------------------

**2440-22-4 2- (2H-Benzotriazol-2-yl) -p-cresol**

Biodegradation	0-2 % /28d (nd) (OECD 301B; ISO/ 9439/ EEC 92/69/V, C.4-C)
----------------	------------------------------------------------------------

**12.3 Bioaccumulative potential**

**75980-60-8 diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide**

Bloconcentration factor (BCF)	47-55 (nd)
-------------------------------	------------

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

**12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 10)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

· **12.6 Other adverse effects** No further relevant information available.

(Contd. of page 9)

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Small quantities can be polymerized with the matching system component(s) 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.  
 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**

· **ADR, IMDG, IATA**

UN1247

· **14.2 UN proper shipping name**

· **ADR**

1247 METHYL METHACRYLATE MONOMER, STABILIZED solution

· **IMDG, IATA**

METHYL METHACRYLATE MONOMER, STABILIZED solution

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**  
 · **Label**

3 (F1) Flammable liquids.  
 3

· **IMDG, IATA**



· **Class**  
 · **Label**

3 Flammable liquids.  
 3

· **14.4 Packing group**

· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

· **Kemler Number:**

Warning: Flammable liquids.

· **EMS Number:**

33

· **Stowage Category**

F-E,S-D

C

(Contd. on page 11)

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 10)

· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW2 Clear of living quarters.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	-
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1247 METHYL METHACRYLATE MONOMER, STABILIZED SOLUTION, 3, 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.
    - **Seveso category P5c** FLAMMABLE LIQUIDS
    - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
    - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
  - **National regulations**
    - **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.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.

(Contd. on page 12)

GB

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

Printing date 31.05.2021

Version number 5

Revision: 31.05.2021

**Trade name: Technovit 7210 VLC**

(Contd. of page 11)

H335 May cause respiratory irritation.

H361f Suspected of damaging fertility.

H410 Very toxic to aquatic life with long lasting effects.

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)

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

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

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

Repr. 2: Reproductive toxicity – Category 2

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

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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 - 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.**