

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **Technovit 6091 Liquid****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 the treatment of claws and extracutaneous splinting

**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 Irrit. 2 H319 Causes serious eye irritation.

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

STOT SE 3 H335 May cause respiratory irritation.

**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 GHS07

Signal word *Danger*

## Hazard-determining components of labelling:

methyl methacrylate

2-hydroxyethyl methacrylate

2,2'-[(4-methylphenyl)imino]bisethanol

methacrylamide

## Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

## Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 2)

GB

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 1)

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.*

P308+P311 *IF exposed or concerned: 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:** -

· **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	50-75%
CAS: 868-77-9 EINECS: 212-782-2 Reg.nr.: 01-2119490169-29-xxxx	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 79-39-0 EINECS: 201-202-3 Reg.nr.: 01-2119381761-35-0000	methacrylamide STOT SE 2, H371; STOT RE 2, H373 Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H335	0-5%
CAS: 3077-12-1 EINECS: 221-359-1 Reg.nr.: 01-2120791684-40-xxxx	2,2'-[(4-methylphenyl)imino]bisethanol Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Sens. 1, H317 Aquatic Chronic 3, H412	≥1-<2.5%
CAS: 150-76-5 EINECS: 205-769-8 Reg.nr.: 01-2119541813-40-xxxx	mequinol Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 3, H412	≥0.1-<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**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

· **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.

(Contd. on page 3)

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 2)

- 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
  - Breathing difficulty
  - Coughing
- **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 monoxide (CO)
  - Carbon dioxide (CO<sub>2</sub>)
  - Nitrogen oxides (NO<sub>x</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 -**

**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:**
  - 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).
  - Send for recovery or disposal in suitable containers.
  - Do not flush with water or aqueous cleansing agents
- **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**
  - Keep containers tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 4)

GB

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 3)

Avoid contact with eyes and skin.  
Do not breathe vapor / mist / gas.  
Keep away from heat and direct sunlight.  
Prevent formation of aerosols.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

· **Handling**

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

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

Keep ignition sources away - Do not smoke.  
Fumes can combine with air to form an explosive mixture.  
Use explosion-proof apparatus / fittings and spark-proof tools.  
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, dry place in tightly closed containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect from humidity and keep away from water.

· **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)
	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)

(Contd. on page 5)

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 4)

	ge.pop., l.te, syst.	74.3 mg/m <sup>3</sup> (nd)
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
Oral	ge.pop., l.te, syst.	0.83 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	1.3 mg/Kg/d (nd)
	ge.pop., l.te, syst.	0.83 mg/Kg/d (nd)
Inhalative	worker industr., l.te., syst.	4.9 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	2.9 mg/m <sup>3</sup> (nd)
<b>79-39-0 methacrylamide</b>		
Oral	worker industr., lg.t., syst.	0.73 mg/Kg (nd)
	ge.pop., l.te, syst.	0.64 mg/Kg (nd)
Dermal	worker profess., acute, syst.	1 mg/Kg/d (nd)
	worker industr., l.te., syst.	1 mg/Kg/d (nd)
Inhalative	worker industr., acute, syst.	7.89 mg/m <sup>3</sup> (nd)
	worker industr., acute, local	2.54 mg/m <sup>3</sup> (nd)
	worker industr., l.te., syst.	7.89 mg/m <sup>3</sup> (nd)
	worker industr., l.te., local	2.54 mg/m <sup>3</sup> (nd)
<b>3077-12-1 2,2'-[(4-methylphenyl)imino]bisethanol</b>		
Oral	ge.pop., l.te, syst.	0.16 mg/Kg (nd)
Dermal	worker industr., l.te., syst.	0.47 mg/Kg/d (nd)
	ge.pop., l.te, syst.	0.17 mg/Kg/d (nd)
Inhalative	worker industr., l.te., syst.	3.29 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	0.58 mg/m <sup>3</sup> (nd)
<b>150-76-5 mequinol</b>		
Inhalative	worker industr., l.te., syst.	3 mg/m <sup>3</sup> (nd)
<b>PNECs</b>		
<b>80-62-6 methyl methacrylate</b>		
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)	
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
freshwater	0.482 mg/l (nd)	
marine water	0.482 mg/l (nd)	
STP	10 mg/l (nd)	
sedim., dw, fre.wat.	3.79 mg/Kg (nd)	
sedim., dw, mar.wat.	3.79 mg/Kg (nd)	
soil,dw	0.476 mg/Kg (nd)	
<b>79-39-0 methacrylamide</b>		
freshwater	2 mg/l (nd)	
marine water	0.2 mg/l (nd)	
STP	713 mg/l (nd)	

(Contd. on page 6)

GB

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 5)

sedim., dw, fre.wat.	8.95 mg/Kg (nd)
sedim., dw, mar.wat.	0.895 mg/Kg (nd)
soil,dw	0.617 mg/Kg (nd)
<b>3077-12-1 2,2'-[(4-methylphenyl)imino]bisethanol</b>	
freshwater	0.026 mg/l (nd)
marine water	0.003 mg/l (nd)
STP	10 mg/l (nd)
sedim., dw, fre.wat.	0.121 mg/Kg (nd)
sedim., dw, mar.wat.	0.012 mg/Kg (nd)
soil,dw	0.009 mg/Kg (nd)
<b>150-76-5 mequinol</b>	
freshwater	0.014 mg/l (nd)
marine water	0.001 mg/l (nd)
STP	10 mg/l (nd)
sedim., dw, fre.wat.	0.125 mg/Kg (nd)
sedim., dw, mar.wat.	0.013 mg/Kg (nd)
soil,dw	0.017 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.

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.

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.

· **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

(Contd. on page 7)

GB

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 6)

- **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:** Fluid
- **Colour:** Colourless
- **Smell:** Characteristic
- **Odour threshold:** Not determined.

· **pH-value:** Not determined.

##### · Change in condition

- **Melting point/freezing point:** Not determined
- **Initial boiling point and boiling range:** >35 °C

· **Flash point:** <23 °C

· **Inflammability (solid, gaseous)** Not applicable.

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

##### · Critical values for explosion:

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Steam pressure:** Not determined.

· **Density at 20 °C** 0.98809 g/cm<sup>3</sup>

- **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

(Contd. on page 8)

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 7)

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

**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)

**868-77-9 2-hydroxyethyl methacrylate**

Oral	LD50	5,564 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

**79-39-0 methacrylamide**

Oral	LD50	1,815 mg/kg (rat) (OECD 401)
------	------	------------------------------

**3077-12-1 2,2'-[(4-methylphenyl)imino]bisethanol**

Oral	LD50	959 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

**150-76-5 mequinol**

Oral	LD50	1,630 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation**  
Causes serious eye irritation.
  - **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.

(Contd. on page 9)

GB



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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 8)  
 · **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)
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)

**868-77-9 2-hydroxyethyl methacrylate**

EC50/21d	90.1 mg/L (daphnia) (OECD 211)
EC50/48h	380 mg/l (daphnia) (OECD 202)
LC50/96h	>100 mg/l (fish) (OECD 203)
NOEC / 21d	24.1 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	836 mg/l (algae) (OECD 201)
NOEC / 72h	400 mg/l (algae) (OECD 201)
NOEC / 48h	171 mg/l (daphnia) (OECD 202)
EbC50 / 72h	345 mg/l (algae) (OECD 201)

**79-39-0 methacrylamide**

EC50/21d	>100 mg/L (daphnia) (OECD 211)
EC50/48h	>1,000 mg/l (daphnia) (OECD 202)
LC50/96h	>100 mg/l (fish) (OECD 203)
NOEC / 21d	>100 mg/l (daphnia) (OECD 211)
ErC50 / 72 h	>1,000 mg/l (algae) (OECD 201)
NOEC / 72h	1,000 mg/l (algae) (OECD 201)
NOEC / 48h	>1,000 mg/l (daphnia) (OECD 202)

**3077-12-1 2,2'-(4-methylphenyl)imino]bisethanol**

EC50/48h	48 mg/l (daphnia) (OECD 202)
LC50/96h	>100 mg/l (fish) (OECD 203)
ErC50 / 72 h	>100 mg/l (algae) (OECD 201)
NOEC / 72h	100 mg/l (algae) (OECD 201)

**150-76-5 mequinol**

EC50/72h	19 mg/l (algae) (OECD 201)
EC50/21d	1.42 mg/L (daphnia) (OECD 211)
EC50/48h	3 mg/l (daphnia) (OECD 202)
LC50/96h	28.5 mg/l (fish) (OECD 203)
NOEC / 21d	0.68 mg/l (daphnia) (OECD 211)

(Contd. on page 10)

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 9)

ErC50 / 72 h	54.7 mg/l (algae) (OECD 201)
NOEC / 48h	1.32 mg/l (daphnia) (OECD 202)

**12.2 Persistence and degradability**

**80-62-6 methyl methacrylate**

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

**868-77-9 2-hydroxyethyl methacrylate**

Biodegradation 92-100 % /14d (nd) (OECD 301C)

**79-39-0 methacrylamide**

Biodegradation 97 % /28d (nd) (OECD 301 E)

**3077-12-1 2,2'-[(4-methylphenyl)imino]bisethanol**

Biodegradation 1.5 % /29d (nd) (OECD 301D)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**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.

Non contaminated packagings can be used for recycling.

**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**

3 (F1) Flammable liquids.

(Contd. on page 11)

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


Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 10)

· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Kemler Number:	33
· EMS Number:	F-E,S-D
· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	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	D/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 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

(Contd. on page 12)

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

Printing date 07.05.2021

Version number 3

Revision: 07.05.2021

**Trade name: Technovit 6091 Liquid**

(Contd. of page 11)

- **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.
  - H302 Harmful if swallowed.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
  - H371 May cause damage to organs.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H412 Harmful 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
  - Acute Tox. 4: Acute toxicity – Category 4
  - 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
  - STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – 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.**