

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

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

- **1.1 Product identifier**
  - Trade name: **Technovit 2200**
- **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**  
 Lightcuring material for fixing, filling and sealing of specimens
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
 Kulzer GmbH  
 Leipziger Straße 2, 63450 Hanau (Germany)  
 Tel.: +49 (0)6181 9689-2570 (Wehrheim)
  - **Informing department:** email: [technik.wehrheim@kulzer-dental.com](mailto:technik.wehrheim@kulzer-dental.com)
- **1.4 Emergency telephone number:** Emergency CONTACT (24-Hour-Number): +49 (0)6132-84463

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
 Skin Irrit. 2 H315 Causes skin irritation.  
 Eye Dam. 1 H318 Causes serious eye damage.  
 Skin Sens. 1 H317 May cause an allergic skin reaction.
- **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**



GHS05 GHS07

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
 triethylen glycol dimethacrylate  
 [2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen maleate  
 methyl methacrylate  
 2-hydroxyethyl methacrylate
- **Hazard statements**  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.
- **Precautionary statements**  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.

(Contd. on page 2)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

· **vPvB:** Not applicable.

(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	≥25-≤50%
CAS: 51978-15-5 EINECS: 257-569-5	[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen maleate Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1A, H317	≥3-<5%
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%
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: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<1%

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General information**

Personal protection for the First Aider.

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

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. 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**

(Contd. on page 3)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

- (Contd. of page 2)
- **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>, 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 (CO<sub>2</sub>)  
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:**  
Damp down gases/fumes/haze with water spray jet.  
Do not allow to enter the ground/soil.  
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).  
Send for recovery or disposal in suitable containers.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

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

- **7.1 Precautions for safe handling**  
Avoid contact with eyes and skin.  
Ensure good ventilation/exhaustion at the workplace.  
Wear protective equipment. Keep unprotected persons away.  
Keep away from heat and direct sunlight.
  - **Handling**  
do not mix with  
reducing agent  
amine  
metals  
organic peroxides  
Radical initiator

(Contd. on page 4)

GB

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 3)

Strong bases  
 Strong oxidizers  
 Water.

**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: Not required.
- Further information about storage conditions: Store cool (not above 25 °C).

**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

**79-41-4 methacrylic acid**

WEL (Great Britain)	Short-term value: 143 mg/m <sup>3</sup> , 40 ppm Long-term value: 72 mg/m <sup>3</sup> , 20 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 <sup>3</sup> (nd)
	ge.pop., l.te, syst.	14.5 mg/m <sup>3</sup> (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/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)
	ge.pop., l.te, syst.	74.3 mg/m <sup>3</sup> (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 <sup>3</sup> (nd)

(Contd. on page 5)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 4)

	worker profess., l.te., syst.	29.6 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	6.3 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, local	6.55 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>· PNECs</b>		
<b>109-16-0 triethylen glycol dimethacrylate</b>		
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)
<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)

· **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.

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

Filter A/P2.

(Contd. on page 6)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 5)

**· 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 the ground/soil.*

*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:**

*Odourless*

**· 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.*

**· SAPT**

Technovit 2200 | *>300 °C*

**· 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.*

**· Density at 20 °C**

*1.34 g/cm<sup>3</sup>*

**· Relative density**

*Not determined.*

(Contd. on page 7)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 6)

· <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**  
 Heat, flames and sparks.  
 moisture exposure
- **10.5 Incompatible materials:**  
 amine  
 metals  
 organic peroxides  
 Radical initiator  
 reducing agent  
 Strong bases  
 Strong oxidizers  
 Water.
- **10.6 Hazardous decomposition products:**  
 Hydrocarbons  
 Methanole

**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:**

<b>109-16-0 triethylen glycol dimethacrylate</b>		
Oral	LD50	8,300 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (mouse)
<b>1565-94-2 (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate</b>		
Oral	LD50	>5,000 mg/kg (rat)
<b>80-62-6 methyl methacrylate</b>		
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)

(Contd. on page 8)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 7)

**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)

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

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

- **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** 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)

**1565-94-2 (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate**

LC50/96h	>100 mg/l (fish) (OECD 203)
----------	-----------------------------

**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)

(Contd. on page 9)

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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 8)

**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)

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

EC50/72h	345 mg/l (algae) (OECD 201)
EC50/48h (static)	380 mg/l (daphnia) (OECD 202)
LC50/96h	>100 mg/l (fish) (OECD 203)
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)

**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)

**1565-94-2 (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bismethacrylate**

Biodegradation 21 % /28d (nd) (OECD 301F; ISO 9408/ EEC 92/69/V, C.4-D)

**80-62-6 methyl methacrylate**

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

**79-41-4 methacrylic acid**

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

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

Biodegradation 92-100 % /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 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.

· **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.

(Contd. on page 10)



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

Printing date 10.06.2021

Version number 6

Revision: 10.06.2021

**Trade name: Technovit 2200**

(Contd. of page 10)

H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

· **Abbreviations and acronyms:**

SAPT: Self Accelerating Polymerisation 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 (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 Corr. 1B: Skin corrosion/irritation – Category 1B  
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. 1A: Skin sensitisation – Category 1A  
Skin Sens. 1B: Skin sensitisation – Category 1B  
STOT SE 3: Specific target organ toxicity (single exposure) – 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