

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 1 of 18

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

#### 1.1. Product identifier

1625 MA structural adhesive - 1624 resin

##### Further trade names

Product 1625: 1624 resin + 1600 Hardener

Product group:

UFI: 2FG4-40PX-A003-3K8R

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Adhesives and sealants

##### Uses advised against

No information available.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Company name: Kisling AG  
Street: Motorenstrasse 102  
Place: CH-8620 Wetzikon  
Telephone: +41 58 272 0 272  
E-mail: customerservice@kisling.com  
Contact person: Product Compliance Telephone: +49 7940 5096 143  
E-mail (Contact person): compliance@kisling.com  
Internet: www.kisling.com

##### Supplier

Company name: Kisling (Deutschland) GmbH  
Street: Salzstraße 15  
Place: D-74676 Niedernhall  
Telephone: +49 7940 50961 61  
E-mail: customerservice@kisling.com  
Contact person: Product Compliance Telephone: +49 7940 5096 143  
E-mail Contact person: compliance@kisling.com  
Internet: www.kisling.com

#### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

Flam. Liq. 2; H225  
Skin Irrit. 2; H315  
Eye Dam. 1; H318  
Skin Sens. 1; H317  
STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

methyl methacrylate  
n-butyl methacrylate

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 2 of 18

epoxy resin (Mn <= 700)  
 methacrylic acid  
 Zinc methacrylate  
 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene  
 Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine  
 Silicone acrylate

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves and eye protection/face protection.  
 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.  
 P403+P235 Store in a well-ventilated place. Keep cool.

#### Labelling of packages where the contents do not exceed 125 ml

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H317-H318

#### Precautionary statements

P280-P305+P351+P338-P310

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixtures

#### Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	Index No
	Classification (Regulation (EC) No 1272/2008)	REACH No

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 3 of 18

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
80-62-6	methyl methacrylate			30 - < 50 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
97-88-1	n-butyl methacrylate			30 - < 50 %
	202-615-1	607-033-00-5	01-2119486394-28	
	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H226 H315 H319 H317 H335			
25068-38-6	epoxy resin (Mn ≤ 700)			1 - < 5 %
	500-033-5	603-074-00-8	01-2119456619-26	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411			
79-41-4	methacrylic acid			1 - < 3 %
	201-204-4	607-088-00-5	01-2119463884-26	
	Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, STOT SE 3; H311 H332 H302 H314 H318 H335			
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate			1 - < 5 %
	258-053-2		01-2119980575-25	
	Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1B; H314 H318 H317			
13189-00-9	Zinc methacrylate			1 - < 5 %
	236-144-8		01-2119976363-30	
	Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1B, Aquatic Acute 1; H302 H319 H317 H400			
911674-82-3	1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene			0.1 - < 1 %
	423-300-7		01-0000016979-49	
	Skin Sens. 1, Aquatic Chronic 4; H317 H413			
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol			0.1 - < 1 %
	254-075-1		01-2119980937-17	
	Acute Tox. 2, Eye Irrit. 2, Aquatic Chronic 3; H300 H319 H412			
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine			0.1 - < 1 %
	309-629-8		01-2119979085-27	
	Skin Sens. 1, Aquatic Chronic 3; H317 H412			
125455-52-9	Silicone acrylate			0.1 - < 1 %
	603-070-6			
	Skin Sens. 1B; H317			
79-10-7	acrylic acid			0.1 - < 1 %
	201-177-9	607-061-00-8		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2; H226 H332 H312 H302 H314 H318 H335 H400 H411			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
80-62-6	201-297-1	methyl methacrylate	30 - < 50 %
	inhalation: LC50 = 29,8 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = ca. 7900 mg/kg		

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 4 of 18

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
97-88-1	202-615-1	n-butyl methacrylate	30 - < 50 %
		dermal: LD50 = 10181 mg/kg; oral: LD50 = > 17900 mg/kg	
25068-38-6	500-033-5	epoxy resin (Mn <= 700)	1 - < 5 %
		Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100	
79-41-4	201-204-4	methacrylic acid	1 - < 3 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 500 mg/kg; oral: LD50 = 1320 mg/kg Eye Dam. 1; H318: >= 3 - 100 Eye Irrit. 2; H319: >= - < 3 STOT SE 3; H335: >= 1 - 100	
52628-03-2	258-053-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	1 - < 5 %
		oral: LD50 = > 2000 mg/kg	
13189-00-9	236-144-8	Zinc methacrylate	1 - < 5 %
		inhalation: LC50 = > 5.32 mg/l (dusts or mists); oral: LD50 = ca. 500 mg/kg Aquatic Acute 1; H400: M=1	
38668-48-3	254-075-1	1,1'-(p-tolylimino)dipropan-2-ol	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 25 - < 200 mg/kg	
79-10-7	201-177-9	acrylic acid	0.1 - < 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg STOT SE 3; H335: >= 1 - 100	

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

No special measures are necessary.

###### After inhalation

Provide fresh air.

###### After contact with skin

Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

###### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. IF SWALLOWED: Immediately call a doctor.

##### 4.2. Most important symptoms and effects, both acute and delayed

Irritant — skin irritation and eye damage  
May cause respiratory irritation. Dyspnoea.

##### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder

###### Unsuitable extinguishing media

Full water jet.

##### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products, Flammable vapours can accumulate in steam space of closed systems.

##### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

##### Additional information

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 5 of 18

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. Evacuate area.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General advice

Use personal protection equipment. See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

##### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

##### For cleaning up

Soak up inert absorbent and dispose as waste requiring special attention.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

Avoid contact with skin, eyes and clothes. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

##### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

##### Further information on handling

Keep only in the original container in a cool, well-ventilated place.

Never use pressure to empty container. Do not allow to enter into surface water or drains.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

##### Hints on joint storage

No special measures are necessary.

##### Further information on storage conditions

No special measures are necessary.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
79-10-7	Acrylic acid; Prop-2-enoic acid	10	29		TWA (8 h)	
		20	59		STEL (1 min)	
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 6 of 18

#### DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
80-62-6	methyl methacrylate			
Worker DNEL, long-term		inhalation	systemic	348,4 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	208 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	416 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	13,67 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,5 mg/cm <sup>2</sup>
Worker DNEL, acute		dermal	local	1,5 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	74,3 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	104 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	208 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	8,2 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	1,5 mg/cm <sup>2</sup>
Consumer DNEL, acute		dermal	local	1,5 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	8,2 mg/kg bw/day
97-88-1	n-butyl methacrylate			
Worker DNEL, long-term		inhalation	systemic	415.9 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	409 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1 %
Worker DNEL, acute		dermal	local	1 %
Consumer DNEL, long-term		inhalation	systemic	66.5 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	366.4 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	3 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	1 %
Consumer DNEL, acute		dermal	local	1 %
79-41-4	methacrylic acid			
Worker DNEL, long-term		inhalation	systemic	39.3 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	44 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4.25 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0.38 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	11.7 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	8.8 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	5.35 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0.23 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	5.35 mg/kg bw/day
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate			
Worker DNEL, long-term		inhalation	systemic	7.04 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	1.74 mg/m <sup>3</sup>
13189-00-9	Zinc methacrylate			
Worker DNEL, long-term		inhalation	systemic	5.28 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0.749 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0.931 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0.268 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0.268 mg/kg bw/day
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol			
Worker DNEL, long-term		inhalation	systemic	2.47 mg/m <sup>3</sup>

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 7 of 18

#### DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
	DNEL type			
	Worker DNEL, long-term	dermal	systemic	0.7 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0.25 mg/kg bw/day
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine			
	Worker DNEL, long-term	inhalation	local	0.308 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	0.055 mg/m <sup>3</sup>
79-10-7	acrylic acid			
	Worker DNEL, long-term	inhalation	systemic	30 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	30 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	30 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	30 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	systemic	3.6 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	3.6 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	3.6 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	local	3.6 mg/m <sup>3</sup>
	Consumer DNEL, long-term	oral	systemic	0.4 mg/kg bw/day
	Consumer DNEL, acute	oral	systemic	1.2 mg/kg bw/day

#### PNEC values

CAS No	Name of agent	Value
	Environmental compartment	
80-62-6	methyl methacrylate	
	Freshwater	0,94 mg/l
	Freshwater (intermittent releases)	0,69 mg/l
	Marine water	0,094 mg/l
	Freshwater sediment	10,2 mg/kg
	Marine sediment	1,02 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	1,48 mg/kg
97-88-1	n-butyl methacrylate	
	Freshwater	0.017 mg/l
	Freshwater (intermittent releases)	0.056 mg/l
	Marine water	0.002 mg/l
	Freshwater sediment	4.73 mg/kg
	Marine sediment	0.473 mg/kg
	Micro-organisms in sewage treatment plants (STP)	31.7 mg/l
	Soil	0.935 mg/kg
79-41-4	methacrylic acid	
	Freshwater	0.82 mg/l
	Freshwater (intermittent releases)	0.45 mg/l
	Marine water	0.082 mg/l
	Freshwater sediment	3.09 mg/kg
	Marine sediment	0.309 mg/kg
	Micro-organisms in sewage treatment plants (STP)	100 mg/l
	Soil	0.137 mg/kg
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	
	Freshwater	0.068 mg/l
	Freshwater (intermittent releases)	0.68 mg/l
	Marine water	0.007 mg/l
	Freshwater sediment	0.481 mg/kg
	Marine sediment	0.048 mg/kg

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 8 of 18

#### PNEC values

CAS No	Name of agent	Value
Environmental compartment		
Micro-organisms in sewage treatment plants (STP)		0.546 mg/l
Soil		0.056 mg/kg
13189-00-9	Zinc methacrylate	
Freshwater		0.00056 mg/l
Freshwater (intermittent releases)		0.0056 mg/l
Freshwater sediment		6.14 mg/kg
Marine sediment		0.614 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		1.23 mg/kg
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	
Freshwater		0.017 mg/l
Freshwater (intermittent releases)		0.17 mg/l
Marine water		0.002 mg/l
Freshwater sediment		0.163 mg/kg
Marine sediment		0.016 mg/kg
Micro-organisms in sewage treatment plants (STP)		199.5 mg/l
Soil		0.023 mg/kg
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	
Freshwater sediment		0.058 mg/kg
Marine sediment		0.0058 mg/kg
Soil		0.484 mg/kg
79-10-7	acrylic acid	
Freshwater		0.003 mg/l
Freshwater (intermittent releases)		0.001 mg/l
Marine water		0.0003 mg/l
Freshwater sediment		0.024 mg/kg
Marine sediment		0.002 mg/kg
Secondary poisoning		30 mg/kg
Micro-organisms in sewage treatment plants (STP)		0.9 mg/l
Soil		1 mg/kg

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Individual protection measures, such as personal protective equipment

###### Eye/face protection

Wear eye/face protection.

###### Hand protection

Tested protective gloves must be worn (EN ISO 374)  
Breakthrough times and swelling properties of the material must be taken into consideration.  
NBR (Nitrile rubber) 0,4 mm, Breakthrough time: 480 min

###### Skin protection

Avoid contact with skin, eyes and clothes.

###### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: A/P2

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 9 of 18

### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	cream	
Odour:	characteristic	
Odour threshold:	not determined	
		<b>Test method</b>
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	> 100 °C	
Flammability:	not determined	not applicable
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	10 °C	
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	Test Series H, part II,28
pH-Value:	not determined	
Viscosity / kinematic:	not determined	
Water solubility:	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure (at 20 °C):	37 hPa	
Density (at 20 °C):	1,03 g/cm <sup>3</sup>	
Relative density:	not determined	
Relative vapour density:	not determined	

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Oxidizing properties

not determined

#### Other safety characteristics

Evaporation rate: not determined

Solid content: not determined

Viscosity / dynamic: not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known hazardous reactions.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.

Vapours can form explosive mixtures with air.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 10 of 18

#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

#### Further information

No data available

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Toxicokinetics, metabolism and distribution

No data available

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 5000 mg/kg; ATE (inhalation vapour) &gt; 50 mg/l; ATE (inhalation dust/mist) &gt; 12,5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
80-62-6	methyl methacrylate				
	oral	LD50 ca. 7900 mg/kg	Rat	J. Ind. Hyg. Toxicol. 23: 343-351 (1941)	Study to assess the acute oral toxicity
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 29,8 mg/l	Rat	J. Dent. Res. 59: 1074 (1980)	Study to assess the acute inhalative tox
97-88-1	n-butyl methacrylate				
	oral	LD50 > 17900 mg/kg	Rat	J. Ind. Hyg. Toxicol. 23: 343-351 (1941)	other: pre-guideline development
	dermal	LD50 10181 mg/kg	Rabbit	Amer. Ind. Hyg. Assoc. J. Vol 30 (5): 47	other
79-41-4	methacrylic acid				
	oral	LD50 1320 mg/kg	Rat	Study report (1977)	OECD Guideline 401
	dermal	LD50 500 mg/kg	Rabbit	Pre-supplier/manufacterurer	
	inhalation vapour	ATE 11 mg/l			OECD 403
	inhalation dust/mist	ATE 1,5 mg/l			
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2013)	OECD Guideline 425
13189-00-9	Zinc methacrylate				
	oral	LD50 ca. 500 mg/kg	Rat	Study report (2008)	OECD Guideline 423
	inhalation (4 h) dust/mist	LC50 > 5.32 mg/l	Rat	Study report (2013)	OECD Guideline 436

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 11 of 18

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol				
	oral	LD50 > 25 - < 200 mg/kg	Rat	Study report (2001)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 402
79-10-7	acrylic acid				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

#### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

#### Sensitising effects

May cause an allergic skin reaction. (methyl methacrylate; n-butyl methacrylate; epoxy resin (Mn ≤ 700); 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate; Zinc methacrylate; 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene; Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine; Silicone acrylate)

#### Carcinogenic/mutagenic/toxic effects 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. (methyl methacrylate; n-butyl methacrylate; methacrylic acid)

#### 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.

#### Information on likely routes of exposure

No data available

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

### 11.2. Information on other hazards

#### Other information

No data available

#### Further information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 12 of 18

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
80-62-6	methyl methacrylate					
	Acute fish toxicity	LC50 > 79 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	EPA OTS 797.1400
	Acute algae toxicity	ErC50 > 110 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 69 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EPA OTS 797.1300
	Fish toxicity	NOEC 9,4 mg/l	35 d	Danio rerio	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC 37 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	EC50 3162 mg/l ( )	3 h	Activated sludge	Publication (2008)	ISO 8192
97-88-1	n-butyl methacrylate					
	Acute fish toxicity	LC50 11 mg/l	96 h	Pimephales promelas	Study report (1993)	OECD Guideline 203
	Acute algae toxicity	ErC50 31.2 mg/l	72 h	Raphidocelis subcapitata	Study report (1998)	OECD Guideline 201
	Acute crustacea toxicity	EC50 25.4 mg/l	48 h	Daphnia magna	Study report (1998)	OECD Guideline 202
	Crustacea toxicity	NOEC 1.1 mg/l	21 d	Daphnia magna	Study report (1998)	OECD Guideline 211
79-41-4	methacrylic acid					
	Acute fish toxicity	LC50 833 mg/l	96 h	Scophthalmus maximus	Publication (2001)	other: OSPAR Protocols on Methods for th
	Acute algae toxicity	ErC50 54 mg/l	72 h	Raphidocelis subcapitata	Study report, unpublished, cover page mi	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 130 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EPA OTS 797.1300
	Fish toxicity	NOEC 10 mg/l	35 d	Danio rerio	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC 53 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	EC50 13500 mg/l ( )	3 h	Activated sludge	Publication (2008)	ISO 8192
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate					
	Acute fish toxicity	LC50 > 112 mg/l	96 h	Oncorhynchus mykiss	Study report (2013)	OECD Guideline 203
	Acute algae toxicity	ErC50 > 120 mg/l	72 h	Raphidocelis subcapitata	Study report (2013)	OECD Guideline 201

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 13 of 18

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
13189-00-9	Zinc methacrylate					
	Acute fish toxicity	LC50 > 2.1 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 ca. 0.56 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 ca. 8.7 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol					
	Acute fish toxicity	LC50 17 mg/l	96 h	Danio rerio	Study report (1984)	other: Guideline F.1.1. of UBA
	Acute algae toxicity	ErC50 245 mg/l	72 h	Desmodesmus subspicatus	Study report (2012)	OECD Guideline 201
	Acute crustacea toxicity	EC50 28.8 mg/l	48 h	Daphnia magna	Study report (1999)	OECD Guideline 202
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine					
	Acute fish toxicity	LL50 > 10 mg/l	96 h	Oncorhynchus mykiss	Study report (2013)	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Raphidocelis subcapitata	Study report (2013)	EU Method C.3
	Acute crustacea toxicity	EL50 > 10 mg/l	48 h	Daphnia magna	Study report (2013)	OECD Guideline 202
	Crustacea toxicity	NOEC >= 10 mg/l	21 d	Daphnia magna	Study report (2018)	OECD Guideline 211

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
80-62-6	methyl methacrylate	1,38
97-88-1	n-butyl methacrylate	2.99
79-41-4	methacrylic acid	0.93
52628-03-2	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	1 - < 2.72
13189-00-9	Zinc methacrylate	< 0.3
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol	2.1
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	>= 5.86
79-10-7	acrylic acid	0,35

#### BCF

CAS No	Chemical name	BCF	Species	Source
97-88-1	n-butyl methacrylate	70		J. Fish Board Can. 3
100545-48-0	Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	56.23	not specified	Other company data (

#### 12.4. Mobility in soil

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 14 of 18

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation.

#### List of Wastes Code - residues/unused products

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### List of Wastes Code - used product

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### List of Wastes Code - contaminated packaging

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### Contaminated packaging

Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	ADHESIVES
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Classification code:	F1
Special Provisions:	640D
Limited quantity:	5 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	Adhesives

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 15 of 18

**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 640D

Limited quantity: 5 L

Excepted quantity: E2

**Marine transport (IMDG)****14.1. UN number or ID number:** UN 1133**14.2. UN proper shipping name:** ADHESIVES**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: -

Limited quantity: 5 L

Excepted quantity: E2

EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:** UN 1133**14.2. UN proper shipping name:** ADHESIVES**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No information available.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**Other applicable information**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 16 of 18

No information available.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 85.56 % (881.268 g/l)

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

(EU) EINECS/ELINCS/NLP: yes

(RC) TCSI: no

(NZ) NZIoC: no

(USA) TSCA: no

(CDN) DSL: no

(ROK) KECI/ECL: no

(RP) PICCS: no

(JP) MITI: no

(CHN) IECSC: no

(AUS) AIIC: no

(CDN) NDSL: no

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

#### Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2

Flam. Liq. 3: Flammable liquids, hazard category 3

Acute Tox. 2: Acute toxicity, hazard category 2

Acute Tox. 3: Acute toxicity, hazard category 3

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Corr. 1A: Skin corrosion, sub-category 1A

Skin Corr. 1C: Skin corrosion, sub-category 1C

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Dam. 1: Serious eye damage, hazard category 1

Eye Irrit. 2: Eye irritation, hazard category 2

Skin Sens. 1: Skin sensitisation, hazard category 1

Skin Sens. 1B: Skin sensitisation, hazard category 1B

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

Aquatic Chronic 4: Hazardous to the aquatic environment, long-term hazard category: Chronic 4

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 1625 MA structural adhesive - 1624 resin

Revision: 27.01.2026

Product code: 1624

Page 17 of 18

UN: United Nations  
 CAS: Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 IMDG: International Maritime Code for Dangerous Goods  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: Volatile Organic Compounds  
 SVHC: Substance of Very High Concern

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful 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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**1625 MA structural adhesive - 1624 resin**

Revision: 27.01.2026

Product code: 1624

Page 18 of 18

### Relevant H and EUH statements (number and full text)

- |      |   |
|------|---|
| H412 | Harmful to aquatic life with long lasting effects.      |
| H413 | May cause long lasting harmful effects to aquatic life. |

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*