

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Kisling - 1663 - Component A 1665

Revision date: 09.10.2023

Product code: 1663

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

### 1.1. Product identifier

Kisling - 1663 - Component A 1665

UFI: QN22-F0EE-G00K-5C07

### 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  
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: Dr. Hans Götz Telephone: +49 7940 5096 143  
E-mail: 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. Sol. 1; H228  
Acute Tox. 4; H332  
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

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#### Hazard components for labelling

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate  
[2-(Methacryloyloxy)-ethyl]-hydrogen succinate  
methacrylic acid; 2-methylpropenoic acid  
Propylidynetrimethanol, ethoxylated, esters with acrylic acid  
2-hydroxyethyl methacrylate  
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl]  
(4-methylphenyl)amino]-  
tributylamine

#### Signal word:

Danger

#### Pictograms:



#### Hazard statements

H228 Flammable solid.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves and eye/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.

#### 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

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of substances listed below with nonhazardous components.

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			30 - < 50 %
	201-297-1	607-035-00-6		
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate			5 - < 15 %
	244-096-4			
	Eye Dam. 1, Skin Sens. 1A; H318 H317			
79-41-4	methacrylic acid; 2-methylpropenoic acid			1 - < 5 %
	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			
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid			0.1 - < 1 %
	500-066-5		01-2119489900-30	
	Eye Irrit. 2, Skin Sens. 1B; H319 H317			
868-77-9	2-hydroxyethyl methacrylate			0.1 - < 1 %
	212-782-2	607-124-00-X	01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-			0.1 - < 1 %
	911-490-9		01-2119979579-10	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H315 H318 H317 H412			
102-82-9	tributylamine			0.1 - < 1 %
	203-058-7			
	Acute Tox. 1, Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, STOT RE 1; H330 H310 H302 H315 H372			
99-97-8	N,N-dimethyl-p-toluidine			0.1 - < 1 %
	202-805-4	612-056-00-9	01-2119956633-31	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Chronic 3; H331 H311 H301 H373 H412			
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane			0.1 - < 1 %
	247-952-5			
	Aquatic Chronic 1; H410			
106-51-4	p-benzoquinone; quinone			< 0.1 %
	203-405-2	606-013-00-3		
	Flam. Sol. 1, Muta. 2, Acute Tox. 3, Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H228 H341 H331 H301 H315 H319 H317 H335 H400 H410			
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			< 0.1 %
	204-617-8	604-005-00-4		
	Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H351 H341 H302 H318 H317 H400			

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

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#### 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; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	30 - < 50 %
		inhalation: LC50 = 29,8 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = ca. 7900 mg/kg	
20882-04-6	244-096-4	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate	5 - < 15 %
		oral: LD50 = > 2000 mg/kg	
79-41-4	201-204-4	methacrylic acid; 2-methylpropenoic acid	1 - < 5 %
		inhalation: LC50 = 7,1 mg/l (vapours); inhalation: ATE = 1.5 mg/l (dusts or mists); dermal: LD50 = 500 mg/kg; oral: LD50 = 1320 mg/kg STOT SE 3; H335: >= 1 - 100	
28961-43-5	500-066-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid	0.1 - < 1 %
		dermal: LD50 = > 13200 mg/kg; oral: LD50 = > 2000 mg/kg	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	0.1 - < 1 %
		dermal: LD50 = >3000 mg/kg; oral: LD50 = 5050 mg/kg	
	911-490-9	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 619 mg/kg	
102-82-9	203-058-7	tributylamine	0.1 - < 1 %
		inhalation: LC50 = 0,5 mg/l (vapours); inhalation: ATE = 0.005 mg/l (dusts or mists); dermal: LD50 = 195 mg/kg; oral: LD50 = 420 mg/kg	
99-97-8	202-805-4	N,N-dimethyl-p-toluidine	0.1 - < 1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg	
26741-53-7	247-952-5	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg Aquatic Chronic 1; H410: M=1	
106-51-4	203-405-2	p-benzoquinone; quinone	< 0.1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); oral: LD50 = 197 mg/kg Aquatic Acute 1; H400: M=10	
123-31-9	204-617-8	1,4-dihydroxybenzene; hydroquinone; quinol	< 0.1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 375 mg/kg Aquatic Acute 1; H400: M=10	

#### SECTION 4: First aid measures

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

###### General information

Take off immediately all contaminated clothing.

###### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. When in doubt or if symptoms are observed, get medical advice.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

###### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

###### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get immediate medical advice/attention.

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

No further relevant information available.

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

Treat symptomatically. No further relevant information available.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

No information available.

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

Non-flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes.

#### **5.3. Advice for firefighters**

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

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

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

##### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

##### **For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **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**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. No special handling advices are necessary.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

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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.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

##### Hints on joint storage

none

##### Further information on storage conditions

Store in a cool dry place. Protect from direct sunlight.

#### 7.3. Specific end use(s)

No further relevant information available.

### 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
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	

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#### DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			
Worker DNEL, long-term		inhalation	systemic	348,4 mg/m³
Worker DNEL, long-term		inhalation	local	208 mg/m³
Worker DNEL, acute		inhalation	local	416 mg/m³
Worker DNEL, long-term		dermal	systemic	13,67 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,5 mg/cm²
Worker DNEL, acute		dermal	local	1,5 mg/cm²
Consumer DNEL, long-term		inhalation	systemic	74,3 mg/m³
Consumer DNEL, long-term		inhalation	local	104 mg/m³
Consumer DNEL, acute		inhalation	local	208 mg/m³
Consumer DNEL, long-term		dermal	systemic	8,2 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	1,5 mg/cm²
Consumer DNEL, acute		dermal	local	1,5 mg/cm²
Consumer DNEL, long-term		oral	systemic	8,2 mg/kg bw/day
79-41-4	methacrylic acid; 2-methylpropenoic acid			
Worker DNEL, long-term		inhalation	systemic	39,3 mg/m³
Worker DNEL, long-term		inhalation	local	44 mg/m³
Worker DNEL, long-term		dermal	systemic	4,25 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0,38 mg/cm²
Consumer DNEL, long-term		inhalation	systemic	11,7 mg/m³
Consumer DNEL, long-term		inhalation	local	8,8 mg/m³
Consumer DNEL, long-term		dermal	systemic	5,35 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,23 mg/cm²
Consumer DNEL, long-term		oral	systemic	5,35 mg/kg bw/day
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid			
Worker DNEL, long-term		inhalation	systemic	37 mg/m³
Worker DNEL, long-term		dermal	systemic	10,5 mg/kg bw/day
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]-			
Worker DNEL, long-term		inhalation	systemic	9,8 mg/m³
Worker DNEL, long-term		dermal	systemic	1,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,74 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,5 mg/kg bw/day
102-82-9	tributylamine			
Worker DNEL, long-term		inhalation	systemic	5,3 mg/m³
Worker DNEL, acute		inhalation	systemic	10,6 mg/m³

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Worker DNEL, long-term	inhalation	local	15,2 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	15,2 mg/m <sup>3</sup>
99-97-8	N,N-dimethyl-p-toluidine		
Worker DNEL, long-term	inhalation	systemic	0,128 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,624 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,336 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,223 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,02 mg/kg bw/day
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane		
Worker DNEL, long-term	inhalation	systemic	2,75 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,78 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,68 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,39 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,39 mg/kg bw/day
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol		
Worker DNEL, long-term	inhalation	systemic	2,1 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	3,33 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,05 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	1,66 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,6 mg/kg bw/day



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#### PNEC values

CAS No	Name of agent	
Environmental compartment		Value
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	
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
79-41-4	methacrylic acid; 2-methylpropenoic 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
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid	
Freshwater		0,002 mg/l
Freshwater (intermittent releases)		0,019 mg/l
Marine water		0 mg/l
Freshwater sediment		0,038 mg/kg
Marine sediment		0,004 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,006 mg/kg
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-	
Freshwater		0,048 mg/l
Freshwater (intermittent releases)		0,48 mg/l
Marine water		0,005 mg/l
Freshwater sediment		1,2 mg/kg
Marine sediment		0,12 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,21 mg/kg
102-82-9	tributylamine	
Freshwater		0,008 mg/l
Freshwater (intermittent releases)		0,08 mg/l
Marine water		0,0008 mg/l
Freshwater sediment		35,85 mg/kg
Marine sediment		3,59 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		7,17 mg/kg

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99-97-8	N,N-dimethyl-p-toluidine
Freshwater	0,153 mg/l
Freshwater (intermittent releases)	0,153 mg/l
Marine water	0,015 mg/l
Freshwater sediment	45,378 mg/kg
Marine sediment	45,378 mg/kg
Micro-organisms in sewage treatment plants (STP)	4,286 mg/l
Soil	18,677 mg/kg
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane
Freshwater	0,002 mg/l
Freshwater (intermittent releases)	0,707 mg/l
Marine water	0 mg/l
Freshwater sediment	2000000 mg/kg
Marine sediment	200000 mg/kg
Micro-organisms in sewage treatment plants (STP)	42 mg/l
Soil	1 mg/kg
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol
Freshwater	0,00057 mg/l
Freshwater (intermittent releases)	0,00134 mg/l
Marine water	0,000057 mg/l
Freshwater sediment	0,0049 mg/kg
Marine sediment	0,00049 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,71 mg/l
Soil	0,00064 mg/kg

### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves must be worn.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing. Wear suitable protective clothing. The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

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#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	beige
Odour:	characteristic
Odour threshold:	not determined

#### Test method

Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	not determined	
Flammability:	not determined	not applicable
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	27 °C	ISO 3679
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	
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:	not determined	
Density (at 20 °C):	0.99 g/cm <sup>3</sup>	
Relative density:	not determined	
Relative vapour density:	not determined	
Particle characteristics:	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: (at 25 °C)	175000 mPa·s

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No further relevant information available.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

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#### **10.4. Conditions to avoid**

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

#### **10.5. Incompatible materials**

No further relevant information available.

#### **10.6. Hazardous decomposition products**

No further relevant information 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**

Harmful if inhaled.

##### **ATEmix calculated**

ATE (oral) 16609 mg/kg; ATE (dermal) 8178 mg/kg; ATE (inhalation vapour) 76.90 mg/l; ATE (inhalation dust/mist) 1.207 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate				
	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
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2016)	OECD Guideline 423
79-41-4	methacrylic acid; 2-methylpropenoic acid				
	oral	LD50 1320 mg/kg	Rat	Study report (1977)	OECD Guideline 401
	dermal	LD50 500 mg/kg	Rabbit	Pre-supplier/manufacturer	
	inhalation (4 h) vapour	LC50 7,1 mg/l	Rat	Pre-supplier/manufacturer	OECD 403
	inhalation dust/mist	ATE 1.5 mg/l			
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1998)	OECD Guideline 401
	dermal	LD50 > 13200 mg/kg	Rabbit	Study report (1984)	An acute dermal toxicity study was performed
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 5050 mg/kg	Rat	Pre-supplier/manufacturer	
	dermal	LD50 >3000 mg/kg	Rabbit	Pre-supplier/manufacturer	
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-				
	oral	LD50 619 mg/kg	Rat	Study report (1996)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2013)	OECD Guideline 402
102-82-9	tributylamine				
	oral	LD50 420 mg/kg	Rat	Publication (1974)	Method: acute oral toxicity test Screening
	dermal	LD50 195 mg/kg	Rabbit	Publication (1974)	Method: acute dermal toxicity Screening
	inhalation (4 h) vapour	LC50 0,5 mg/l	Rat	Study report (1987)	OECD Guideline 403
	inhalation dust/mist	ATE 0.005 mg/l			
99-97-8	N,N-dimethyl-p-toluidine				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			

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	inhalation dust/mist	ATE	0.5 mg/l			
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1984)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1994)	OECD Guideline 402
106-51-4	p-benzoquinone; quinone					
	oral	LD50 mg/kg	197	Rat	Study report (2017)	OECD Guideline 423
	inhalation vapour	ATE	3 mg/l			
	inhalation dust/mist	ATE	0.5 mg/l			
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol					
	oral	LD50 mg/kg	> 375	Rat	Food Chem Toxicol 45, 70 - 78 (2007)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Food Chem Toxicol 45, 70 - 78 (2007)	OECD Guideline 402

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

#### Sensitising effects

May cause an allergic skin reaction. (methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; [2-(Methacryloyloxy)-ethyl]-hydrogen succinate; Propylidynetrimethanol, ethoxylated, esters with acrylic acid; 2-hydroxyethyl methacrylate; Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-; p-benzoquinone; quinone; 1,4-dihydroxybenzene; hydroquinone; quinol)

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

May cause respiratory irritation. (methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methacrylic acid; 2-methylpropenoic 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.

#### 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

##### Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate					
	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
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate					
	Acute algae toxicity	ErC50 >= 197 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2016)	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 515,4 mg/l	48 h	Daphnia magna	Study report (2016)	OECD Guideline 202
	Algae toxicity	NOEC >= 197 mg/l	3 d	Pseudokirchneriella subcapitata	Pre-supplier/manu facturer	OECD 201
	Crustacea toxicity	NOEC > 515,4 mg/l	2 d	Daphnia magna	Pre-supplier/manu facturer	OECD 202
79-41-4	methacrylic acid; 2-methylpropenoic acid					
	Acute fish toxicity	LC50 85 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	EPA OTS 797.1400
	Acute algae toxicity	ErC50 45 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	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
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid					
	Acute fish toxicity	LC50 1,95 mg/l	96 h	Danio rerio	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 2,2 mg/l	72 h	Desmodesmus subspicatus	REACH Registration Dossier	OECD Guideline 201

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	Acute crustacea toxicity	EC50 mg/l	70,7	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
868-77-9	2-hydroxyethyl methacrylate						
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	Pre-supplier/manu facturer	
	Acute crustacea toxicity	EC50 mg/l	>380	48 h	Daphnia magna (Big water flea)	Pre-supplier/manu facturer	
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]-						
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Cyprinus carpio	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	48 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209
102-82-9	tributylamine						
	Acute fish toxicity	LC50 mg/l	16,3	96 h	Oryzias latipes	Study report (2000)	other: Testing Methods for Industrial Wa
	Acute algae toxicity	ErC50 mg/l	10,1	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	8 mg/l	48 h	Daphnia magna (Big water flea)	Pre-supplier/manu facturer	OECD 202
99-97-8	N,N-dimethyl-p-toluidine						
	Acute fish toxicity	LC50 mg/l	52,8	96 h	Pimephales promelas	REACH Registration Dossier	other: Standard test procedure ASTM, 198
	Acute algae toxicity	ErC50 mg/l	23,69	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	15,27	48 h	Daphnia magna	REACH Registration Dossier	other: Modeling database
	Acute bacteria toxicity	(EC50 mg/l)	100	3 h	WoE 2. domestic activated sludge, WoE 3. Pseudomon	REACH Registration Dossier	other: as mentioned below
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane						
	Acute fish toxicity	LC50 mg/l	70,7	96 h	Danio rerio	Study report (2013)	OECD Guideline 203
	Acute algae toxicity	ErC50	97 mg/l	72 h	Desmodesmus subspicatus	Study report (2013)	OECD Guideline 201
	Crustacea toxicity	NOEC	0,1 mg/l	21 d	Daphnia magna	Study report (2013)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	3 h	activated sludge, domestic	Study report (2012)	OECD Guideline 209
106-51-4	p-benzoquinone; quinone						



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	Acute algae toxicity	ErC50	1.5 mg/l	72 h	Desmodesmus subspicatus	Study report (2018)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	0.13	48 h	Daphnia magna	Study report (2018)	OECD Guideline 202
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol						
	Acute fish toxicity	LC50 mg/l	0,638	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	0,33	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	0,134	48 h	Daphnia magna	Study report (2008)	OECD Guideline 202
	Fish toxicity	NOEC mg/l	>= 0,1	32 d	Pimephales promelas	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC mg/l	0,006	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211

#### 12.2. Persistence and degradability

No data available

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate			
	aerobic	>80%	28	Pre-supplier/manufactur er
	Readily biodegradable (according to OECD criteria).			
102-82-9	tributylamine			
	OECD 301B	88 %	28	Pre-supplier/manufactur er
	Readily biodegradable (according to OECD criteria).			
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane			
	Activated sludge, Concentration: 31 mg/l	<10%	28	Pre-supplier/manufactur er
	Not readily biodegradable (according to OECD criteria)			
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			
	OECD 301C (Activated sludge, Concentration:100 mg/l)	70%	14	Pre-supplier/manufactur er
	Readily biodegradable (according to OECD criteria).			

#### 12.3. Bioaccumulative potential

No data available

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## Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	1,38
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate	0,782
79-41-4	methacrylic acid; 2-methylpropenoic acid	0,93
28961-43-5	Propylidynetrimethanol, ethoxylated, esters with acrylic acid	2,89
868-77-9	2-hydroxyethyl methacrylate	0,47
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-	2
102-82-9	tributylamine	3,338
99-97-8	N,N-dimethyl-p-toluidine	2,81
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane	10,9
106-51-4	p-benzoquinone; quinone	>= 0.1 - = 4.8
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	0,59

## BCF

CAS No	Chemical name	BCF	Species	Source
102-82-9	tributylamine	7,3	Cyprinus carpio	REACH Registration D
99-97-8	N,N-dimethyl-p-toluidine	33	Fish	REACH Registration D
26741-53-7	3,9-bis(2,4-di-tert-butylphenoxy)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undecane	0,89		SAR and QSAR in Envi
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	3,16		

## 12.4. Mobility in soil

No further relevant information available.

## 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.

The product has not been tested.

## 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

## Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

## Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. 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

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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


Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 3175
<b>14.2. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	II
Hazard label:	4.1
	
Classification code:	F1
Special Provisions:	216 274 601
Limited quantity:	1 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	40
Tunnel restriction code:	E

#### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	UN 3175
<b>14.2. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	II
Hazard label:	4.1
	

Classification code:	F1
Special Provisions:	216 274 601 800
Limited quantity:	1 kg
Excepted quantity:	E2

#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN 3175
<b>14.2. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	II

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Hazard label:

4.1



Special Provisions:

216 274

Limited quantity:

1 kg

Excepted quantity:

E2

EmS:

F-A, S-I

#### Air transport (ICAO-TI/ATA-DGR)

##### 14.1. UN number or ID number:

UN 3175

##### 14.2. UN proper shipping name:

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE)

##### 14.3. Transport hazard class(es):

4.1

##### 14.4. Packing group:

II

Hazard label:

4.1



Special Provisions:

A46

Limited quantity Passenger:

5 kg

Passenger LQ:

Y441

Excepted quantity:

E2

IATA-packing instructions - Passenger:

445

IATA-max. quantity - Passenger:

15 kg

IATA-packing instructions - Cargo:

448

IATA-max. quantity - Cargo:

50 kg

#### 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

### 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 40, Entry 75

2010/75/EU (VOC):

53.77 % (532.328 g/l)

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

2 - obviously hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

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#### 15.2. Chemical safety assessment

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

#### SECTION 16: Other information

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#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
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  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).  
Flam. Liq: Flammable liquid  
Flam. Sol: Flammable solid  
Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Eye Dam: Eye damage  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Muta: Germ cell mutagenicity  
Carc: Carcinogenicity  
STOT SE: Specific target organ toxicity - single exposure  
STOT RE: Specific target organ toxicity - repeated exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard

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

Classification	Classification procedure
Flam. Sol. 1; H228	On basis of test data
Acute Tox. 4; H332	Calculation method
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.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. 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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Adhesives and sealants	PW, C	6a, 6b, 12, 18, 19	1	11, 19	4, 8a, 8c, 8d	4e, 4g, 5c, 6g, 7c, 7g, 8, 10, 11, 13	110	K+D

LCS: Life cycle stages	SU: Sectors of use
PC: Product categories	PROC: Process categories
ERC: Environmental release categories	AC: Article categories
TF: Technical functions	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### **Kisling - 1663 - Component A 1665**

Revision date: 09.10.2023

Product code: 1663

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