

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Kisling - 1470

Revision date: 01.03.2024

Product code: 1470

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

### 1.1. Product identifier

Kisling - 1470

UFI: 4724-60DT-400W-70HT

### 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 Götzt 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

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

#### Hazard components for labelling

2-hydroxyethyl methacrylate  
[2-(Methacryloyloxy)-ethyl]-hydrogen succinate  
alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide  
Triethyleneglycol Methacrylate  
tributylamine

Signal word: Danger

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#### Pictograms:



#### Hazard statements

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

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

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

Signal word: Danger

#### Pictograms:



#### Hazard statements

H317-H318

#### Precautionary statements

P261-P280-P305+P351+P338-P310-P333+P313-P362+P364

#### 2.3. Other hazards

No data 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)			
868-77-9	2-hydroxyethyl methacrylate			50 - < 100 %
	212-782-2	607-124-00-X	01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate			1 - < 5 %
	244-096-4			
	Eye Dam. 1, Skin Sens. 1A; H318 H317			
80-15-9	alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide			1 - < 5 %
	201-254-7	617-002-00-8		
	Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 2; H242 H331 H312 H302 H314 H373 H411			
109-16-0	Triethyleneglycol Methacrylate			1 - < 5 %
	203-652-6		01-2119969287-21	
	Skin Sens. 1; H317			
114-83-0	2-phenylacetohydrazide			0.1 - < 1 %
	204-055-3			
	Acute Tox. 3; H301			
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			
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	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	50 - < 100 %
		dermal: LD50 = >3000 mg/kg; oral: LD50 = 5050 mg/kg	
20882-04-6	244-096-4	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate	1 - < 5 %
		oral: LD50 = > 2000 mg/kg	
80-15-9	201-254-7	alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide	1 - < 5 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: LD50 = 382 mg/kg Skin Corr. 1B; H314: >= 10 - 100 Skin Irrit. 2; H315: >= 3 - < 10 Eye Dam. 1; H318: >= 3 - < 10 Eye Irrit. 2; H319: >= 1 - < 3 STOT SE 3; H335: >= 1 - 100	
109-16-0	203-652-6	Triethyleneglycol Methacrylate	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg	
114-83-0	204-055-3	2-phenylacetohydrazide	0.1 - < 1 %
		oral: LD50 = 270 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	
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.

##### 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

Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Foam.

###### Unsuitable extinguishing media

Full water jet.

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

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**

Remove all sources of ignition.

#### **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 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**

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

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

Take precautionary measures against static discharges.

##### **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.

#### **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**

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**

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#### 8.1. Control parameters

##### DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
109-16-0	Triethyleneglycol Methacrylate			
Worker DNEL, long-term		inhalation	systemic	48.5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	13.9 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	14.5 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	8.33 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	8.33 mg/kg bw/day
102-82-9	tributylamine			
Worker DNEL, long-term		inhalation	systemic	5,3 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	10,6 mg/m <sup>3</sup>
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>
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		Value
Environmental compartment			
109-16-0	Triethyleneglycol Methacrylate		
Freshwater			0.016 mg/l
Freshwater (intermittent releases)			0.016 mg/l
Marine water			0.002 mg/l
Freshwater sediment			0.185 mg/kg
Marine sediment			0.018 mg/kg
Micro-organisms in sewage treatment plants (STP)			1.7 mg/l
Soil			0.027 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
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

Hand protection EN ISO 374

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

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mentioned above together with the supplier of these gloves.

#### Skin protection

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.

#### 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:	Liquid	
Colour:	green	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		>200 °C
Flammability:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		>100 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		not determined
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density (at 20 °C):		1,06 g/cm <sup>3</sup>
Relative density:		not determined
Relative vapour density:		not determined
Particle characteristics:		No data available

### 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 20 °C)

50-60 mPa·s

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

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The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **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) 11635 mg/kg; ATE (dermal) 21630 mg/kg; ATE (inhalation vapour) 57.10 mg/l; ATE (inhalation dust/mist) 1.011 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 mg/kg	5050	Rat	Pre-supplier/manufact urer
	dermal	LD50 mg/kg	>3000	Rabbit	Pre-supplier/manufact urer
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate				
	oral	LD50 mg/kg	> 2000	Rat	Study report (2016) OECD Guideline 423
80-15-9	alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide				
	oral	LD50 mg/kg	382	Rat	IUCLID
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	3 mg/l		
	inhalation dust/mist	ATE	0.5 mg/l		
109-16-0	Triethyleneglycol Methacrylate				
	dermal	LD50 mg/kg	> 2000	Mouse	Publication (2003) subacute study according to EPA Dermal B
114-83-0	2-phenylacetohydrazide				
	oral	LD50 mg/kg	270	Mouse	Pre-supplier/manufact urer
102-82-9	tributylamine				
	oral	LD50 mg/kg	420	Rat	Publication (1974) Method: acute oral toxicity test Screeni
	dermal	LD50 mg/kg	195	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 mg/l	0.005		
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. (2-hydroxyethyl methacrylate; [2-(Methacryloyloxy)-ethyl]-hydrogen succinate; Triethyleneglycol Methacrylate; 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. (alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide)

#### STOT-repeated exposure

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

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#### 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

#### Other information

No data available

#### 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
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 >380 mg/l	48 h	Daphnia magna (Big water flea)	Pre-supplier/manu facturer	
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
109-16-0	Triethyleneglycol Methacrylate					
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	EU Method C.3
	Crustacea toxicity	NOEC 32 mg/l	21 d	Daphnia magna	REACH Registration Dossier	EU Method C.20
102-82-9	tributylamine					
	Acute fish toxicity	LC50 16,3 mg/l	96 h	Oryzias latipes	Study report (2000)	other: Testing Methods for Industrial Wa
	Acute algae toxicity	ErC50 10,1 mg/l	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
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol					
	Acute fish toxicity	LC50 0,638 mg/l	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 0,33 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,134 mg/l	48 h	Daphnia magna	Study report (2008)	OECD Guideline 202
	Fish toxicity	NOEC >= 0,1 mg/l	32 d	Pimephales promelas	REACH Registration Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC 0,006 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211

### 12.2. Persistence and degradability

No data available

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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).				
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

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47
20882-04-6	[2-(Methacryloyloxy)-ethyl]-hydrogen succinate	0,782
109-16-0	Triethyleneglycol Methacrylate	2.3
102-82-9	tributylamine	3,338
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	0,59

### BCF

CAS No	Chemical name	BCF	Species	Source
109-16-0	Triethyleneglycol Methacrylate	16		REACH Registration D
102-82-9	tributylamine	7,3	Cyprinus carpio	REACH Registration D
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.

### 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.

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

080409 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 containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - used product

080409 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 containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - contaminated packaging

080409 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 containing organic solvents or other hazardous substances; hazardous waste

#### 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><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

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

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **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

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**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 75

2010/75/EU (VOC): 64.15 % (679.991 g/l)

**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): 2 - obviously hazardous to water

**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).  
Org. Perox: Organic peroxide  
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
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)

H242	Heating may cause a fire.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
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.
H411	Toxic 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

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