

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Kisling - 7439 - Component B 7440

Revision date: 28.02.2024

Product code: 7439

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

### 1.1. Product identifier

Kisling - 7439 - Component B 7440

UFI: UHJ0-K0GG-A00V-0X2T

### 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: technical.support@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: technical.support@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

Skin Corr. 1B; H314  
Eye Dam. 1; H318  
Skin Sens. 1; H317  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

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

##### Hazard components for labelling

1,3-Cyclohexanedimethanamine  
2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated  
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine  
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine

**Signal word:** Danger

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#### Pictograms:



#### Hazard statements

- |      |  |
|------|--|
| H314 | Causes severe skin burns and eye damage.           |
| H317 | May cause an allergic skin reaction.               |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Precautionary statements

- |                |  |
|----------------|--|
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P264           | Wash hands thoroughly after handling.  |
| P280           | Wear protective gloves and eye/face protection.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| 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.   |

### 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)			
2579-20-6	1,3-Cyclohexanedimethanamine			15 - < 30 %
	219-941-5		01-2119543741-41	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, Aquatic Chronic 3; H312 H302 H314 H318 H412			
68683-29-4	2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated			15 - < 30 %
	614-706-7			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia			5 - < 15 %
	618-561-0		01-2119557899-12	
	Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H314 H318 H412			
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine			1 - < 5 %
	234-148-4		01-2119970376-29	
	Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, Skin Sens. 1B; H302 H314 H318 H317			
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine			1 - < 5 %
	500-191-5			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			1 - < 5 %
	202-013-9	603-069-00-0	01-2119560597-27	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1; H302 H314 H318			

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	
2579-20-6	219-941-5	1,3-Cyclohexanedimethanamine	15 - < 30 %
		dermal: ATE = 1100 mg/kg; oral: LD50 = > 300 - ca. 2000 mg/kg	
9046-10-0	618-561-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	5 - < 15 %
		dermal: LD50 = 2979,7 mg/kg; oral: LD50 = 2885,3 mg/kg	
10563-29-8	234-148-4	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	1 - < 5 %
		oral: LD50 = 1669 mg/kg	
68082-29-1	500-191-5	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
90-72-2	202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	1 - < 5 %
		oral: ATE = 500 mg/kg	

## 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.

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#### 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

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

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. 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

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#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

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. 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**

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#### DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
2579-20-6	1,3-Cyclohexanedimethanamine			
Worker DNEL, long-term		dermal	systemic	0,1 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	25,2 mg/kg bw/day
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia			
Worker DNEL, long-term		inhalation	systemic	5,29 mg/m³
Worker DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine			
Consumer DNEL, long-term		inhalation	local	0,65 mg/m³
Worker DNEL, long-term		dermal	systemic	0,67 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,65 mg/m³
Consumer DNEL, long-term		oral	systemic	0,2 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3,7 mg/m³
Worker DNEL, acute		inhalation	systemic	7,5 mg/m³
Worker DNEL, long-term		inhalation	local	3,7 mg/m³
Worker DNEL, acute		inhalation	local	7,5 mg/m³
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine			
Worker DNEL, long-term		inhalation	systemic	0,952 mg/m³
Worker DNEL, long-term		dermal	systemic	0,272 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,169 mg/m³
Consumer DNEL, long-term		oral	systemic	0,0972 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,0972 mg/kg bw/day
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			
Worker DNEL, long-term		inhalation	systemic	0,53 mg/m³
Worker DNEL, acute		inhalation	systemic	2,1 mg/m³
Worker DNEL, long-term		dermal	systemic	0,15 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	0,6 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,13 mg/m³
Consumer DNEL, acute		inhalation	systemic	0,13 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,075 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	0,075 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,075 mg/kg bw/day

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#### PNEC values

CAS No	Name of agent	
Environmental compartment		Value
2579-20-6	1,3-Cyclohexanedimethanamine	
Freshwater		0,033 mg/l
Freshwater (intermittent releases)		0,331 mg/l
Marine water		0,003 mg/l
Freshwater sediment		0,218 mg/kg
Marine sediment		0,022 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,024 mg/kg
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	
Freshwater		0,015 mg/l
Freshwater (intermittent releases)		0,15 mg/l
Marine water		0,014 mg/l
Freshwater sediment		0,132 mg/kg
Marine sediment		0,125 mg/kg
Secondary poisoning		6,93 mg/kg
Micro-organisms in sewage treatment plants (STP)		7,5 mg/l
Soil		0,018 mg/kg
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	
Freshwater		0,0092 mg/l
Freshwater (intermittent releases)		0,092 mg/l
Marine water		0,00092 mg/l
Freshwater sediment		0,034 mg/kg
Marine sediment		0,00336 mg/kg
Micro-organisms in sewage treatment plants (STP)		18,1 mg/l
Soil		0,00132 mg/kg
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	
Freshwater		0,004 mg/l
Freshwater (intermittent releases)		0,043 mg/l
Marine water		0 mg/l
Freshwater sediment		434,02 mg/kg
Marine sediment		43,4 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,84 mg/l
Soil		86,78 mg/kg
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	
Freshwater		0,046 mg/l
Freshwater (intermittent releases)		0,46 mg/l
Marine water		0,005 mg/l
Freshwater sediment		0,262 mg/kg
Marine sediment		0,026 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,2 mg/l

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Soil	0,025 mg/kg
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#### 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 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:	Paste / solid
Colour:	black
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
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



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Density (at 20 °C):	1,18 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

### **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.

#### **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**

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

##### **ATEmix calculated**

ATE (oral) 2009 mg/kg; ATE (dermal) 5122 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2579-20-6	1,3-Cyclohexanedimethanamine				
	oral	LD50 > 300 - ca. 2000 mg/kg	Rat	Study report (2007)	OECD Guideline 423
	dermal	ATE 1100 mg/kg			
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia				
	oral	LD50 2885,3 mg/kg	Rat	Study report (1993)	OECD Guideline 401
	dermal	LD50 2979,7 mg/kg	Rabbit	Study report (1993)	OECD Guideline 402
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine				
	oral	LD50 1669 mg/kg	Rat	Study report (1991)	OECD Guideline 401
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2013)	OECD Guideline 402
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	ATE 500 mg/kg			

**Irritation and corrosivity**

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage.

**Sensitising effects**

May cause an allergic skin reaction. (2-Propenenitrile, polymer with 1,3-butadiene, 1-cyano-1-methyl-4-oxo-4-[[2-(1-piperazinyl)ethyl]amino]butyl-terminated; N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine; Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine)

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**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].

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## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
2579-20-6	1,3-Cyclohexanedimethanamine					
	Acute fish toxicity	LC50 130 mg/l	96 h	Leuciscus idus	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 56,7 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 33,1 mg/l	48 h	Daphnia magna	REACH Registration Dossier	EU Method C.2
	Acute bacteria toxicity	(EC50 > 1000 mg/l)	3 h	activated sludge, domestic	REACH Registration Dossier	OECD Guideline 209
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia					
	Acute fish toxicity	LC50 772,14 mg/l	96 h	Cyprinodon variegatus	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 15 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	EU Method C.3
	Acute crustacea toxicity	EC50 80 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Acute bacteria toxicity	(EC50 750 mg/l)	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Danio rerio	Study report (2009)	OECD Guideline 203
	Acute algae toxicity	ErC50 21 mg/l	72 h	Raphidocelis subcapitata	Study report (2004)	OECD Guideline 201
	Acute crustacea toxicity	EC50 9,22 mg/l	48 h	Daphnia magna	Study report (1992)	ISO 6341
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine					
	Acute fish toxicity	LC50 7,07 mg/l	96 h	Danio rerio	Study report (2013)	OECD Guideline 203
	Acute algae toxicity	ErC50 4,34 mg/l	72 h	Raphidocelis subcapitata	Study report (2013)	OECD Guideline 201
	Acute crustacea toxicity	EC50 7,07 mg/l	48 h		Pre-supplier/manu facturer	
	Acute bacteria toxicity	(EC50 384 mg/l)	3 h	activated sludge of a predominantly domestic sewage	Study report (2012)	OECD Guideline 209
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Cyprinus carpio	REACH Registration Dossier	OECD Guideline 203
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202

#### 12.2. Persistence and degradability

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No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2579-20-6	1,3-Cyclohexanedimethanamine	0,69
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	1,34
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	-0,56
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	10,34
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	>= 0,219

#### BCF

CAS No	Chemical name	BCF	Species	Source
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	3,16		REACH Registration D
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	77,4	no data	(2013)

#### 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.

##### 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

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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

#### 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)

**14.1. UN number or ID number:**

UN 3259

**14.2. UN proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine; Kaolin, calcined)

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

8

**14.4. Packing group:**

II

Hazard label:

8



Classification code:

C8

Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:**

UN 3259

**14.2. UN proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine; Kaolin, calcined)

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

8

**14.4. Packing group:**

II

Hazard label:

8



Classification code:

C8

Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:**

UN 3259

**14.2. UN proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine; Kaolin, calcined)

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

8

**14.4. Packing group:**

II

Hazard label:

8



Special Provisions:

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Limited quantity: 1 kg  
 Excepted quantity: E2  
 EmS: F-A, S-B  
 Segregation group: 18 - alkalis

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

**14.1. UN number or ID number:** UN 3259  
**14.2. UN proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S.  
 (1,3-Cyclohexanedimethanamine; Kaolin, calcined)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Special Provisions: A3 A803  
 Limited quantity Passenger: 5 kg  
 Passenger LQ: Y844  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 859  
 IATA-max. quantity - Passenger: 15 kg  
 IATA-packing instructions - Cargo: 863  
 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

2010/75/EU (VOC): 26,907 % (317,503 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).  
 Acute Tox: Acute toxicity  
 Skin Corr: Skin corrosion  
 Skin Irrit: Skin irritation  
 Eye Dam: Eye damage  
 Eye Irrit: Eye irritation  
 Skin Sens: Skin sensitisation  
 Aquatic Chronic: Chronic aquatic hazard

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

Classification	Classification procedure
Skin Corr. 1B; H314	On basis of test data
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.



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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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