

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kisling - 7429 - Component B 7430

Revision date: 27.06.2024

Product code: 7429

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

1.1. Product identifier

Kisling - 7429 - Component B 7430

UFI: GUJN-80FD-900W-1908

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

Use of the substance/mixture

Adhesives and sealants

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer

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

Supplier

Company name:	Kisling (Deutschland) GmbH	
Street:	Salzstraße 15	
Place:	D-74676 Niedernhall	
Telephone:	+49 7940 50961 61	
E-mail:	customerservice@kisling.com	
Contact person:	Product Compliance	Telephone: +49 7940 5096 143
E-mail:	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. 1A; H314
Eye Dam. 1; H318
Skin Sens. 1; H317
Repr. 2; H361d
Aquatic Chronic 3; H412

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

2-methylpentane-2,4-diol

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine

3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine

N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine

Amines, polyethylenepoly-, triethylenetetramine fraction

Signal word: Danger**Pictograms:**

Hazard statements

- H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P260 Do not breathe Vapour.
P280 Wear protective gloves and eye protection/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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances listed below with nonhazardous components.

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
107-41-5	2-methylpentane-2,4-diol			5 - < 15 %
	203-489-0	603-053-00-3	01-2119539582-35	
	Repr. 2, Skin Irrit. 2, Eye Irrit. 2; H361d H315 H319			
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine			5 - < 15 %
	500-191-5			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2; H315 H318 H317 H411			
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine			1 - < 5 %
	247-063-2		01-2119560598-25	
	Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1, Skin Sens. 1A; H302 H314 H318 H317			
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			
104-15-4	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4)			1 - < 5 %
	203-180-0	016-030-00-2		
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction			0.1 - < 1 %
	292-588-2		01-2119487919-13	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H314 H318 H317 H412			

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		
107-41-5	203-489-0	2-methylpentane-2,4-diol	5 - < 15 %
	dermal: LD50 = 8000 mg/kg; oral: LD50 = 3700 mg/kg		
68082-29-1	500-191-5	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	5 - < 15 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
25513-64-8	247-063-2	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine	1 - < 5 %
	oral: LD50 = 910 mg/kg Skin Corr. 1A; H314: >= 50 - 100 Skin Corr. 1B; H314: >= 5 - < 50		
10563-29-8	234-148-4	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	1 - < 5 %
	oral: LD50 = 1669 mg/kg		
104-15-4	203-180-0	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4)	1 - < 5 %
	oral: LD50 = 2480 mg/kg STOT SE 3; H335: >= 20 - 100		
90640-67-8	292-588-2	Amines, polyethylenepoly-, triethylenetetramine fraction	0.1 - < 1 %
	dermal: LD50 = 1465.4 mg/kg; oral: LD50 = 1861.9 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing.

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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

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.

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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

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 exhaustion 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

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DNEL type	Exposure route	Effect	Value
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/m ³
Worker DNEL, long-term	dermal	systemic	0,272 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,169 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,0972 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	0,0972 mg/kg bw/day
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine		
Consumer DNEL, long-term	oral	systemic	0.05 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/m ³
Worker DNEL, long-term	dermal	systemic	0,67 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,65 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,2 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	3,7 mg/m ³
Worker DNEL, acute	inhalation	systemic	7,5 mg/m ³
Worker DNEL, long-term	inhalation	local	3,7 mg/m ³
Worker DNEL, acute	inhalation	local	7,5 mg/m ³
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction		
Worker DNEL, long-term	inhalation	systemic	0.54 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	0.096 mg/m ³
Consumer DNEL, long-term	oral	systemic	0.14 mg/kg bw/day

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PNEC values

CAS No	Name of agent	Value
Environmental compartment		
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
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine	
Freshwater		0.102 mg/l
Freshwater (intermittent releases)		0.315 mg/l
Marine water		0.01 mg/l
Freshwater sediment		0.622 mg/kg
Marine sediment		0.062 mg/kg
Micro-organisms in sewage treatment plants (STP)		72 mg/l
Soil		10 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
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction	
Freshwater		0.027 mg/l
Freshwater (intermittent releases)		0.2 mg/l
Marine water		0.003 mg/l
Freshwater sediment		8.572 mg/kg
Marine sediment		0.857 mg/kg
Micro-organisms in sewage treatment plants (STP)		0.13 mg/l
Soil		1.25 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

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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:		>200 °C
Flammability:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		85 °C
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):		1.24 g/cm ³
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

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Other safety characteristics

Evaporation rate:	not determined
Solid content:	not determined
Viscosity / dynamic: (at 25 °C)	30000 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.

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) 12698 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-41-5	2-methylpentane-2,4-diol				
	oral	LD50 3700 mg/kg	Rat		
	dermal	LD50 8000 mg/kg	Rabbit		
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
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine				
	oral	LD50 910 mg/kg	Rat	Study report (1965)	other: comparable to guideline study wit
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine				
	oral	LD50 1669 mg/kg	Rat	Study report (1991)	OECD Guideline 401
104-15-4	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4)				
	oral	LD50 2480 mg/kg	Rat	GESTIS	
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction				
	oral	LD50 1861.9 mg/kg	Rat	Study report (1992)	other: EPA FR Vol.50, No. 188, September
	dermal	LD50 1465.4 mg/kg	Rabbit	Study report (1993)	OECD Guideline 402

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.

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

Sensitising effects

May cause an allergic skin reaction. (Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine; 3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine; N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine; Amines, polyethylenepoly-, triethylenetetramine fraction)

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging the unborn child. (2-methylpentane-2,4-diol)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: 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

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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

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
107-41-5	2-methylpentane-2,4-diol					
	Acute fish toxicity	LC50 mg/l	8510	96 h	Gambusia affinis	
	Acute crustacea toxicity	EC50 mg/l	3200	48 h	Daphnia magna	
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine					
	Acute fish toxicity	LC50 mg/l	7,07	96 h	Danio rerio	Study report (2013) OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	4,34	72 h	Raphidocelis subcapitata	Study report (2013) OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	7,07	48 h		Pre-supplier/manufacturer
	Acute bacteria toxicity	EC50 ()	384 mg/l	3 h	activated sludge of a predominantly domestic sewage	Study report (2012) OECD Guideline 209
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine					
	Acute algae toxicity	ErC50 mg/l	43.5	72 h	Raphidocelis subcapitata	REACH Registration Dossier OECD Guideline 201
	Fish toxicity	NOEC mg/l	>= 10.9	30 d	Danio rerio	REACH Registration Dossier OECD Guideline 210
	Crustacea toxicity	NOEC mg/l	1.02	21 d	Daphnia magna	REACH Registration Dossier OECD Guideline 211
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine					
	Acute fish toxicity	LC50 mg/l	> 100	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 mg/l	9,22	48 h	Daphnia magna	Study report (1992) ISO 6341
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction					
	Acute fish toxicity	LC50	330 mg/l	96 h	Pimephales promelas	REACH Registration Dossier other: U.S EPA-TSCA, 40 CFR Part 797.14
	Acute algae toxicity	ErC50	20 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	31.1	48 h	Daphnia magna	REACH Registration Dossier EU Method C.2
	Acute bacteria toxicity	EC50 ()	800 mg/l		activated sludge, domestic	REACH Registration Dossier other: EEC L133 1988 p 118-122

12.2. Persistence and degradability

No data available

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12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-41-5	2-methylpentane-2,4-diol	0,58
68082-29-1	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	10,34
25513-64-8	3,3,5-trimethylhexylenediamine; 3,3,5-trimethyl hexamethylene-diamine	-0.3
10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	-0,56
104-15-4	p-toluenesulphonic acid (containing a maximum of 5 % H2SO4)	0,93
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction	-2.9

BCF

CAS No	Chemical name	BCF	Species	Source
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. (2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine)
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. (2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine)
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. (2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8

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Special Provisions: 274
 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. (2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine)
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

Restrictions on use (REACH, annex XVII):
 Entry 75

Information according to Directive 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).
 Water hazard class (D): 3 - highly 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

Acute Tox: Acute toxicity
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Eye Irrit: Eye irritation
Skin Sens: Skin sensitisation
Repr: Reproductive toxicity
STOT SE: Specific target organ toxicity - single exposure
Aquatic Chronic: Chronic aquatic hazard
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).

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

Classification	Classification procedure
Skin Corr. 1A; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Repr. 2; H361d	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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H411	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.

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