

according to Regulation (EC) No 1907/2006

Kisling - 5100 aerosol

Revision date: 17.10.2023

Product code: 5100A

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

1.1. Product identifier

Kisling - 5100 aerosol

UFI:

QKC0-N0V3-600R-CCVC

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

Use of the substance/mixture

Adhesives and sealants

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer		
Company name:	Kisling AG	
Street:	Motorenstrasse 102	
Place:	CH-8620 Wetzikon	
Telephone:	+41 58 272 0 272	
E-mail:	customerservice@kisling.com	
Internet:	www.kisling.com	
Supplier		
Company name:	Kisling (Deutschland) GmbH	
Street:	Salzstraße 15	
Place:	D-74676 Niedernhall	
Telephone:	+49 7940 50961 61	
E-mail:	customerservice@kisling.com	
Contact person:	Dr. Hans Götz	Telephone: +49 7940 5096 143
E-mail:	compliance@kisling.com	
Internet:	www.kisling.com	
1.4. Emergency telephone	24 hr. emergency phone number +1 872 58	888271 (KAR)
number:	Medicines & Poisons Info Office +356 2545	5 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics Signal word: Danger



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Pictograms:

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Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

i i coudional y statel	nento
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P273	Avoid release to the environment.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Labelling of package	es where the contents do not exceed 125 ml

Signal word:





Hazard statements

H222-H229-H336

Precautionary statements

P102-P210-P211-P251-P410+P412

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances listed below with nonhazardous components.

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation (EC) No	1272/2008)			
64742-49-0	Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics				
	927-510-4				
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411				
99-97-8	N,N-dimethyl-p-toluidine			0.1 - < 1 %	
	202-805-4	612-056-00-9	01-2119956633-31		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT RE 2, Aquatic Chronic 3; H331 H311 H301 H373 H412				

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	EC No Chemical name			
	Specific Conc. I	Specific Conc. Limits, M-factors and ATE			
64742-49-0	927-510-4	927-510-4 Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics			
	inhalation: LC50 = > 23,3 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = >5840 mg/kg				
99-97-8	9-97-8 202-805-4 N,N-dimethyl-p-toluidine		0.1 - < 1 %		
	inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg				

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 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



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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

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

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
64742-49-0	Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics			
Worker DNEL	, long-term	inhalation	systemic	2085 mg/m³
Worker DNEL	, long-term	dermal	systemic	300 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	447 mg/m³
Consumer DN	EL, long-term	dermal	systemic	149 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	149 mg/kg bw/day
,				
99-97-8	N,N-dimethyl-p-toluidine			
Worker DNEL	, long-term	inhalation	systemic	0,128 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,624 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	0,336 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,223 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	0,02 mg/kg bw/day

PNEC values

CAS No	Name of agent				
Environmen	tal compartment	Value			
99-97-8	N,N-dimethyl-p-toluidine				
Freshwater		0,153 mg/l			
Freshwater (intermittent releases)		0,153 mg/l			
Marine water		0,015 mg/l			
Freshwater sediment		45,378 mg/kg			
Marine sediment		45,378 mg/kg			
Micro-organisms in sewage treatment plants (STP)		4,286 mg/l			
Soil	oil				

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



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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:	Liquid	
	Colour:	colourless	
	Odour:	characteristic	
	Odour threshold:	not determined	
	Melting point/freezing point:		not determined
	Boiling point or initial boiling point and		not determined
	boiling range:		
	Flammability:		not applicable
	Lower explosion limits:		0,6 vol. %
	Upper explosion limits:		9,6 vol. %
	Flash point:		not determined
	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:		0.61 g/cm ³
	Relative density:		not determined
	Relative vapour density:		not determined
<u>9.</u>	2. Other information		
	Information with regard to physical haza	ard 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



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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

Toxicocinetics, metabolism and distribution

No data available

Acute toxicity

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

ATEmix calculated

ATE (oral) 12500 mg/kg; ATE (dermal) 37500 mg/kg; ATE (inhalation vapour) 375.0 mg/l; ATE (inhalation dust/mist) 62.50 mg/l

CAS No	o Chemical name					
	Exposure route	Dose		Species	Source	Method
64742-49-0	Hydrocarbons C7 - n-alk	anes - isoalka	nes - cyclic	S		
	oral	LD50 mg/kg	>5840	Rat		
				The acute toxicity of SBP 100/140 was de		
	inhalation (4 h) vapour	LC50 mg/l	> 23,3	Rat	Study report (1988)	OECD Guideline 403
99-97-8	N,N-dimethyl-p-toluidine					
	oral	ATE mg/kg	100			
	dermal	ATE mg/kg	300			
	inhalation vapour	ATE	3 mg/l			
	inhalation dust/mist	ATE	0.5 mg/l			

Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons C7 - n-alkanes - isoalkanes - cyclics)

STOT-repeated exposure

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



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Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

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

11.2. Information on other hazards

Further information

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

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64742-49-0	Hydrocarbons C7 - n-alka	ines - isoalk	anes - cyclic	S			
	Acute fish toxicity	LL50 mg/l	> 13,4	96 h	Oncorhynchus mykiss	Study report (2004)	OECD Guideline 203
	Acute algae toxicity	ErC50	12 mg/l	72 h	Pseudokirchneriella subcapitata	SIDS Initial Assessment Report For SIAM	OECD Guideline 201
	Fish toxicity	NOEC mg/l	1,534	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC	1 mg/l	21 d	Daphnia magna	SIDS Initial Assessment Report For SIAM	OECD Guideline 211
99-97-8	N,N-dimethyl-p-toluidine						
	Acute fish toxicity	LC50 mg/l	52,8	96 h	Pimephales promelas	REACh Registration Dossier	other: Standard test procedure ASTM, 198
	Acute algae toxicity	ErC50 mg/l	23,69	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	15,27	48 h	Daphnia magna	REACh Registration Dossier	other: Modeling database
	Acute bacteria toxicity	(EC50 mg/l)	100	3 h	WoE 2. domestic activated sludge, WoE 3. Pseudomon	REACh Registration Dossier	other: as mentioned below

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow	
99-97-8	N,N-dimethyl-p-toluidine	2,81	



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BCF					
CAS No	Chemical name	BCF	Species	Source	
99-97-8	N,N-dimethyl-p-toluidine	33	Fish	REACh Registration D	

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

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

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)

_ai	iu transport (ADR/RID)	
	14.1. UN number or ID number:	UN 1950
	14.2. UN proper shipping name:	AEROSOLS
	14.3. Transport hazard class(es):	2
	14.4. Packing group:	-
I	Hazard label:	2.1
		2
(Classification code:	5F
:	Special Provisions:	190 327 344 625
	Limited quantity:	1 L



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Excepted quantity:	E0			
Transport category: Tunnel restriction code:	2 D			
Inland waterways transport (ADN)				
<u>14.1. UN number or ID number:</u> 14.2. UN proper shipping name:	UN 1950 AEROSOLS			
14.3. Transport hazard class(es):	2			
14.4. Packing group:	-			
Hazard label:	2.1			
Classification code:	5F			
Special Provisions:	190 327 344 625			
Limited quantity:	1 L			
Excepted quantity:	E0			
Marine transport (IMDG) 14.1. UN number or ID number:	UN 1950			
14.2. UN proper shipping name:	AEROSOLS			
14.3. Transport hazard class(es):	2.1			
14.4. Packing group:	-			
Hazard label:	2.1			
Special Provisions:	63 190 277 327 34	4 381 959		
Limited quantity:	1000 mL E0			
Excepted quantity: EmS:	F-D, S-U			
Air transport (ICAO-TI/IATA-DGR)	,			
14.1. UN number or ID number:	UN 1950			
14.2. UN proper shipping name:	AEROSOLS, FLAN	IMABLE		
14.3. Transport hazard class(es):	2.1			
<u>14.4. Packing group:</u> Hazard label:	- 2.1			
Special Provisions:	A145 A167 A802			
Limited quantity Passenger:	30 kg G			
Passenger LQ:	Y203 E0			
Excepted quantity: IATA-packing instructions - Passenger:	EU	203		
IATA-max. quantity - Passenger:		75 kg		
IATA-packing instructions - Cargo:		203		
IATA-max. quantity - Cargo:		150 kg		
14.5. Environmental hazards			~	
ENVIRONMENTALLY HAZARDOUS:	Yes		¥2	



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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 3, Entry 29, Entry 40	
2010/75/EU (VOC):	100 % (610 g/l)
Information according to 2012/18/EU (SEVESO III):	E2 Hazardous to the Aquatic Environment
Additional information:	P5c
National regulatory information	
Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.
Water hazard class (D):	2 - obviously hazardous to water
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). Aerosol: Aerosols Flam. Liq: Flammable liquid Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation STOT SE: Specific target organ toxicity - single exposure STOT RE: Specific target organ toxicity - repeated exposure Aquatic Chronic: Chronic aquatic hazard

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

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)



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H222	Extremely flammable aerosol.			
H225	Highly flammable liquid and vapour.			
H229	Pressurised container: May burst if heated.			
H301	Toxic if swallowed.			
H304	May be fatal if swallowed and enters airways.			
H311	Toxic in contact with skin.			
H315	Causes skin irritation.			
H331	Toxic if inhaled.			
H336	May cause drowsiness or dizziness.			
H373	May cause damage to organs through prolonged or repeated exposure.			
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.

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				F	SU: Sectors of u PROC: Process AC: Article cate	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.)