

Kisling - 5880						
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SECTION 1: Identification of th	ne substance/mixture and of the com	pany/undertaking				
1.1. Product identifier Kisling - 5880						
UFI:	G4E0-S097-Q00N-8HCH					
1.2. Relevant identified uses of th	e substance or mixture and uses advise	d <u>against</u>				
Use of the substance/mixture Adhesives and sealants Uses advised against No information available. 1.3. Details of the supplier of the second states and states and states and states and states are supplied at the second states and states are supplied at the second states at the second states are supplied at the second states are supplicited at	safety data sheet					
Manufacturer	salety data sheet					
Company name: Street: Place:	Kisling AG Motorenstrasse 102 CH-8620 Wetzikon					
Telephone: E-mail: Internet:	+41 58 272 0 272 customerservice@kisling.com www.kisling.com					
Supplier Company name: Street: Place:	Kisling (Deutschland) GmbH Salzstraße 15 D-74676 Niedernhall					
Telephone: E-mail: Contact person: E-mail: Internet:	+49 7940 50961 61 customerservice@kisling.com Dr. Hans Götz compliance@kisling.com www.kisling.com	Telephone: +49 7940 5096 143				
1.4. Emergency telephone_ number:	24 hr. emergency phone number +1 Medicines & Poisons Info Office +35					
SECTION 2: Hazards identifica	ntion					

Regulation (EC) No 1272/2008 Skin Irrit. 2; H315

Eye Irrit. 2; H319 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 ethyl 2-cyanoacrylate

Signal word:

Pictograms:





Kisling AG

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Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary sta	itements
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
D004	

P264 Wash hands thoroughly after handling.

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

P403+P233 present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly closed.

Labelling of packages where the contents do not exceed 125 ml

Signal word:

Pictograms:



2.3. Other hazards

No further relevant information available.

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)			
7085-85-0	ethyl 2-cyanoacrylate				
	230-391-5	607-236-00-9			
	Skin Irrit. 2, Eye Irrit. 2, ST	DT SE 3; H315 H319 H335	·		
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.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. I	Limits, M-factors and ATE	
7085-85-0	230-391-5	ethyl 2-cyanoacrylate	50 - < 100 %
	dermal: LD50 =	= > 2000 mg/kg; oral: LD50 = > 5000 mg/kg STOT SE 3; H335: >= 10 - 100	
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.



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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 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.

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



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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
7085-85-0	ethyl 2-cyanoacrylate			
Worker DNEL,	long-term	inhalation	systemic	9,25 mg/m³
Worker DNEL,	acute	inhalation	systemic	9,25 mg/m³
Worker DNEL,	long-term	inhalation	local	9,25 mg/m³
Worker DNEL,	acute	inhalation	local	9,25 mg/m³
Consumer DN	EL, long-term	inhalation	systemic	9,25 mg/m³
Consumer DNEL, acute		inhalation	systemic	9,25 mg/m³
Consumer DN	EL, long-term	inhalation	local	9,25 mg/m³
Consumer DN	EL, acute	inhalation	local	9,25 mg/m³
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			
Worker DNEL,	long-term	inhalation	systemic	2,1 mg/m ³
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	1,05 mg/m³
Consumer DNEL, long-term		dermal	systemic	1,66 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	0,6 mg/kg bw/day

PNEC values

CAS No	Name of agent					
Environment	al compartment	Value				
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol					
Freshwater		0,00057 mg/l				
Freshwater (intermittent releases) 0,00134 mg/						
Marine water	0,000057 mg/l					
Freshwater sediment						
Marine sedin	nent	0,00049 mg/kg				
Micro-organi	sms 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



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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

Liquid	
Liquiu	
black	
characteristic	
not determined	
	not determined
	not determined
	not applicable
	not determined
	not determined
	>80 °C
	480 °C
	not determined
	not determined
	not determined
	1,06 g/cm³
	not determined
ard classes	
	not determined
	not determined
	300 - 500 mPa·s
	black

Viscosity / dynamic: (at 20 °C)

SECTION 10: Stability and reactivity



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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. Avoid high temperatures or direct sunlight.

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

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
7085-85-0	ethyl 2-cyanoacrylate						
	oral	LD50 mg/kg	> 5000	Rat	Study report (1973)	OECD Guideline 423	
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1973)	OECD Guideline 402	
123-31-9	1,4-dihydroxybenzene; h	ydroquinone	; 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 irritation.

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 respiratory irritation. (ethyl 2-cyanoacrylate)

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

Endocrine disrupting properties

No further relevant information 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.

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
123-31-9	1,4-dihydroxybenzene; hy	/droquinone	e; quinol					
	Acute fish toxicity	LC50 mg/l	0,638	96 h	Oncorhynchus mykiss	REACh Registration Dossier	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	0,33	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201	
	Acute crustacea toxicity	EC50 mg/l	0,134	48 h	Daphnia magna	Study report (2008)	OECD Guideline 202	
	Fish toxicity	NOEC mg/l	>= 0,1	32 d	Pimephales promelas	REACh Registration Dossier	OECD Guideline 210	
	Crustacea toxicity	NOEC mg/l	0,006	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211	

12.2. Persistence and degradability

No da	ata available							
CAS No	Chemical name							
	Method	Value	d	Source				
	Evaluation							
7085-85-0	85-0 ethyl 2-cyanoacrylate							
	OECD 301D	57%						
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).	Ī	-					

12.3. Bioaccumulative potential

No data available



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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7085-85-0	ethyl 2-cyanoacrylate	0,776
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	0,59

BCF

CAS No	Chemical name	BCF	Species	Source
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.

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)

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14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.				
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.				
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation.				
14.4. Packing group:	No dangerous good in sense of this transport regulation.				
Inland waterways transport (ADN) <u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.				
14.1. UN proper shipping name:	No dangerous good in sense of this transport regulation.				
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.				
14.4. Packing group:	No dangerous good in sense of this transport regulation.				
Marine transport (IMDG)					
14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.				
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.				
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.				
14.4. Packing group:	No dangerous good in sense of this transport regulation.				
Air transport (ICAO-TI/IATA-DGR)					
14.1. UN number or ID number:	UN 3334				
14.2. UN proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. 9				
<u>14.3. Transport hazard class(es):</u> 14.4. Packing group:	9 				
Hazard label:	9				
	AID,				
	9				
Special Provisions:	A27				
Limited quantity Passenger:	30 kg G				
Passenger LQ:	Y964				
Excepted quantity:	E1				
IATA-packing instructions - Passenger:	964 450 L				
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo:	964				
IATA-max. quantity - Cargo:	450 L				
14.5. Environmental hazards					
ENVIRONMENTALLY HAZARDOUS:	No				
	No				
14.6. Special precautions for user No information available.					
14.7. Maritime transport in bulk according to	MO instruments				
not applicable					
SECTION 15: Regulatory information					
15.1. Safety, health and environmental regul	ations/legislation specific for the substance or mixture				
EU regulatory information					
Restrictions on use (REACH, annex XVII): Entry 3, Entry 75					
National regulatory information					
Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juve	nile			
	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):	3 - highly hazardous to water				



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15.2. Chemical safety assessment

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

SECTION 16: Other information

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 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 Aquatic Acute: Acute aquatic hazard



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

Classification	Classification procedure				
Skin Irrit. 2; H315	Calculation method				
Eye Irrit. 2; H319	Calculation method				
STOT SE 3; H335	Calculation method				

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
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.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.

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: L	LCS: Life cycle stages				SU: Sectors of use				
PC: Product categories				F	PROC: Process categories				
ERC: Environmental release categories				1	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.)