



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Liquicol 1732 0020**

Revision date: 17.07.2023

Product code: 17320020

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

### 1.1. Product identifier

Liquicol 1732 0020

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

#### Use of the substance/mixture

Adhesives, sealants

#### Uses advised against

No information available.

### 1.3. Details of the supplier of the safety data sheet

Company name: Renfert GmbH  
Street: Untere Giesswiesen 2  
Place: D-78247 Hilzingen  
Telephone: +49 7731 8208-0  
e-mail: info@renfert.com  
Contact person: Frau Andris  
e-mail: silke.andris@renfert.com  
Internet: www.renfert.com

### 1.4. Emergency telephone number:

 IRL: 01 809 2566 (Healthcare Professionals) | GB: 0044 151 951 3317 (Health and Safety Executive (HSE) Chemicals)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### 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: Warning

Pictograms:



#### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

#### Precautionary statements

P261 Avoid breathing vapours.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P337+P317 If eye irritation persists: Get medical help.

#### Special labelling of certain mixtures

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.  
EUH208 Contains Poly(ethylene glycol) methyl ether methacrylate. May produce an allergic reaction.

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

Signal word: Warning

Pictograms:



### 2.3. Other hazards

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Cyanoacrylate containing adhesive.

**Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7085-85-0	ethyl 2-cyanoacrylate	50 - 100 %		
	230-391-5	607-236-00-9	01-2119527766-29	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
26915-72-0	Poly(ethylene glycol) methyl ether methacrylate	< 0,5 %		
	608-019-1			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			
123-31-9	1,4-dihydroxybenzene	< 0,1 %		
	204-617-8	604-005-00-4	01-2119524016-51	
	Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1; H351 H341 H302 H318 H317 H400 H410			

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			
7085-85-0	230-391-5	ethyl 2-cyanoacrylate	50 - 100 % %	
	STOT SE 3; H335: >= 10 - 100			
123-31-9	204-617-8	1,4-dihydroxybenzene	< 0,1 % %	
	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 contaminated clothing and wash it before reuse.

**After inhalation**

Provide fresh air. In case of respiratory tract irritation, consult a physician.

**After contact with skin**

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Call a physician immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

Dyspnoea

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, Water spray jet**Unsuitable extinguishing media**

Full water jet

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

Thermal decomposition can lead to the escape of irritating gases and vapours.

**5.3. Advice for firefighters**

Do not inhale explosion and combustion gases.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.  
Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Allow stiffening. Take up mechanically.

**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**

Handle and open container with care.  
Use only in well-ventilated areas.  
Avoid contact with skin, eyes and clothes.  
Do not eat, drink or smoke when using this product.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

Avoid breathing vapours.  
Avoid contact with skin, eyes and clothes.  
Wash hands before breaks and after work.  
Keep away from food, drink and animal feedingstuffs.

**Further information on handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.  
Keep container tightly closed.  
Keep away from heat. Protect from sunlight.

**Hints on joint storage**

No special measures are necessary.

**Further information on storage conditions**

storage temperature: 6 - 15°C  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**7.3. Specific end use(s)**

Please refer to our internet website for more information. [www.renfert.com](http://www.renfert.com)  
To avoid risks to human health and the environment, comply with the instructions for use.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
7085-85-0	Cyanoacrylates: Ethyl cyanoacrylate	0.2	-		TWA (8 h)	
		1	-		STEL (15 min)	
123-31-9	p-Dihydroxybenzene	-	0.5		TWA (8 h)	

**8.2. Exposure controls**

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### Appropriate engineering controls

Safe handling: see section 7

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear eye/face protection.

#### Hand protection

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.

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,5 mm

Breakthrough time: &gt; 30 min

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.

#### Respiratory protection

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Respiratory protection necessary at: insufficient ventilation

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## 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 boiling range:	214 °C
Flammability:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	87 °C
Auto-ignition temperature:	480 °C
Decomposition temperature:	not determined
pH-Value:	not applicable
Viscosity / kinematic:	not determined
Water solubility:	practically insoluble
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	0,21 hPa
Density:	ca. 1,06 g/cm <sup>3</sup>
Relative vapour density:	not determined

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

not explosive according to EU A.14

#### Other safety characteristics

Solvent content: 0,0 %

Viscosity / dynamic:  
(at 20 °C) ca. 2 mPa·s

#### Further Information

No further relevant information available.

## SECTION 10: Stability and reactivity



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## 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

## 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

## 10.3. Possibility of hazardous reactions

Violent reaction with: Alcohols, Amines, Acid, Alkali (lye), Water

## 10.4. Conditions to avoid

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

## 10.5. Incompatible materials

No information available.

## 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

CAS No	Chemical name	Exposure route	Dose	Species	Source	Method
123-31-9	1,4-dihydroxybenzene	oral	LD50 375 mg/kg	Rat		OECD 401

#### Irritation and corrosivity

Causes skin irritation.  
Causes serious eye irritation.

#### Sensitising effects

Contains Poly(ethylene glycol) methyl ether methacrylate. May produce an allergic reaction.

#### 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.

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meet the criteria.

#### Further information

The product has not been tested. The statement is derived from the properties of the single components.

## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the mixture itself.

### 12.2. Persistence and degradability

There are no data available on the mixture itself.

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

There are no data available on the mixture itself.

### 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 meet the criteria.

### 12.7. Other adverse effects

No information available.



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**Further information**

Do not allow uncontrolled discharge of product into the environment.

The product has not been tested. The statement is derived from the properties of the single components.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**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

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

not applicable

**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 75

2004/42/EC (VOC): not applicable

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**Additional information**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on persistent organic pollutants: not applicable

Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals: not applicable

**SECTION 16: Other information****Changes**

Abs. 2, 7, 9, 11, 16 \* Data changed compared with the previous version.

**Abbreviations and acronyms**

PBT: persistent and bioaccumulative and toxic

vPvB: very persistent, very bioaccumulative

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ATE: Acute Toxicity Estimate

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LD50: lethal dose, 50%

LC50: lethal concentration, 50%

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

VOC: volatile organic compound(s)

**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.
H410	Very toxic to aquatic life with long lasting effects.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
EUH208	Contains Poly(ethylene glycol) methyl ether methacrylate. May produce an allergic reaction.

**Further Information**

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.

Restricted to professional users.

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