

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Revision date: 10.03.2021

**Liquicol 1732 0020**

Product code: 1732\_AUS\_DD

Page 1 of 9

**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****Manufacturer**

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

Telefax: +49 7731 8208-70

**Supplier**

Company name: Durodent Dental Supplies  
Street: Unit 6 / 51 Jersey Road  
Place: VIC 3153 AUS Bayswater  
Telephone: +61 (03) 9720 6700  
e-mail: sales@durodent.com.au  
Responsible Department: For non-urgent inquiries refer to:  
Durodent Dental Supplies (Office) Phone: (03) 97206700  
This number is only available during the following office hours:  
Mon-Thurs 09:00am - 5:00pm / Friday 09:00 - 4:30pm AEST

**1.4. Emergency telephone number:**

Australien Poisons Information Centre (National) 13 11 26 - 24 Hours / 7 Days

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

ethyl 2-cyanoacrylate

**Signal word:** Warning

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 10.03.2021

Liquicol 1732 0020

Product code: 1732\_AUS\_DD

Page 2 of 9

## Pictograms:



## Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P337+P313	If eye irritation persists: Get medical advice/attention.

## 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.

## 2.3. Other hazards

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

## 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	
	GHS Classification			
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			
142-16-5	Bis(2-ethylhexyl)maleate			< 0,9 %
	205-524-5		01-2119524002-60	
	STOT RE 2, Aquatic Chronic 1; H373 H410			
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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Liquicol 1732 0020**

Revision date: 10.03.2021

Product code: 1732\_AUS\_DD

Page 3 of 9

**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: $\geq 10 - 100$	
123-31-9	204-617-8	1,4-dihydroxybenzene	< 0,1 % %
		oral: LD50 = 375 mg/kg M akut; H400: M=10 M chron.; H410: M=1	

**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**

No information available.

**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**

In case of fire and/or explosion do not breathe fumes.

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

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**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Revision date: 10.03.2021

**Liquicol 1732 0020**

Product code: 1732\_AUS\_DD

Page 4 of 9

**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 eyes and skin.  
When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**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)

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7085-85-0	Ethyl cyanoacrylate	0.3	1.5		STEL (15 min)	WEL
123-31-9	Hydroquinone	-	0.5		TWA (8 h)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

Safe handling: see section 7

**Protective and hygiene measures**

Do not breathe vapour.  
Avoid contact with skin, eyes and clothes.  
Wash hands before breaks and after work.  
Keep away from food, drink and animal feedingstuffs.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Revision date: 10.03.2021

**Liquicol 1732 0020**

Product code: 1732\_AUS\_DD

Page 5 of 9

**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

**Test method**

pH-Value:	not applicable
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**Changes in the physical state**

Melting point:	not determined
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Boiling point or initial boiling point and	60 °C
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boiling range:

Flash point:	87 °C DIN 51758
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**Flammability**

Solid/liquid:	not applicable
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Gas:	not applicable
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**Explosive properties**

not explosive according to EU A.14

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Auto-ignition temperature:	not determined
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**Self-ignition temperature**

Solid:	not applicable
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Gas:	not applicable
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Decomposition temperature:	not determined
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Vapour pressure:	0,27 hPa
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(at 20 °C)

Density:	ca. 1,06 g/cm <sup>3</sup>
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Water solubility:	practically insoluble
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Partition coefficient n-octanol/water:	not determined
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## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Liquicol 1732 0020**

Revision date: 10.03.2021

Product code: 1732\_AUS\_DD

Page 6 of 9

Viscosity / dynamic: ca. 2 mPa·s  
(at 20 °C)  
Viscosity / kinematic: not determined  
Relative vapour density: not determined  
Solvent content: 0,0 %

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The mixture 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.

**Further information**

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Revision date: 10.03.2021

**Liquicol 1732 0020**

Product code: 1732\_AUS\_DD

Page 7 of 9

**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.

**12.7. Other adverse effects**

No information available.

**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.

**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**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Liquicol 1732 0020**

Revision date: 10.03.2021

Product code: 1732\_AUS\_DD

Page 8 of 9

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC):

not applicable

Information according to 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). 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

**Additional information**REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on  
substances that deplete the ozone layer: not applicableREGULATION (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 hazardous chemicals: not applicable**SECTION 16: Other information****Abbreviations and acronyms**

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

LD50: lethal dose, 50%

LC50: lethal concentration, 50%

EC50: half maximal effective concentration

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
Aquatic Chronic 3; H412	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.



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Liquicol 1732 0020**

Revision date: 10.03.2021

Product code: 1732\_AUS\_DD

Page 9 of 9

H351	Suspected of causing cancer.
H373	May cause damage to kidneys through prolonged or repeated exposure by swallowing.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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.

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