

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Printing date: 08/23/2023

picocryl

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1. Identification of the substance/preparation and of the company/undertaking *

1.1. Information on the product

Trade name:

picocryl

UFI:

JJQV-S9K1-D00A-YQSN

1.2. Relevant identified uses of the substance/preparation and uses that are inadvisable

Relevant identified uses:

No further relevant information available.
adhesive

1.3. Details about the supplier of the safety data sheet

Manufacturer/Supplier:

Company name:

picodent Dental Produktions- und Vertriebs-GmbH

Street:

Lüdenschneider Str. 24-26

City:

D-51688 Wipperfürth

Telephone:

+49 2267 6580-0

E-Mail:

picodent@picodent.de

Internet:

www.picodent.de

Department for information:

picodent Dental Produktions- und Vertriebs-GmbH
Telephone-No. +49 2267 6580-0

1.4. Emergency contact number:

Medical Emergency information in case of poisoning:

Poison Information Center Mainz

-24 h – Phone: +49 6131 19240
advisory service in German or English language

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

Wording of the hazard information: see SECTION 16.

2.2. Label elements Regulation (EC) No

1272/2008 Hazardous components for labelling

Ethyl 2-cyanoacrylate

Signal word:

Warning

Pictogram:



Hazard warnings

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF CONTACT WITH EYES OCCURS: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/containers at an appropriate recycling or disposal facility.

Special labelling of certain mixtures

EUH202	Cyanoacrylate. Hazard. Bonds skin and eyes in seconds. Keep out of reach of children.
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2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria set out in Annex XIII to REACH.
Persons suffering from skin sensitisation problems, asthma, allergies, or chronic or recurrent respiratory diseases should not be assigned to any work involving the use of this mixture.

3. Composition/information on ingredients *

3.2. Mixtures

Hazardous ingredients

CAS No.	Substance name	Proportion
	EC No. Index No. REACH No. Classification (Regulation (EC) No. 1272/2008)	70 - 95%
7085-85-0	Ethyl 2-cyanoacrylate 230-391-5 607-236-00-9 01-2119527766-29 Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol 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	0.01 - < 0.1%

Wording of the H and EUH statements: see Section 16.

Specific concentration limits, M-factors and ATEs

CAS No.	EC No.	Substance name	Proportion
		Specific concentration limits, M-factors and ATEs	
7085-85-0	230-391-5	Ethyl 2-cyanoacrylate dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg STOT SE 3; H335: >= 10 - 100	70 - 95%
123-31-9	204-617-8	1,4-Dihydroxybenzene; Hydroquinone; Quinol oral: LD50 = 367 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	0.01 - < 0.1%

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4. First aid measures *

4.1. Description of first aid measures

General notes

If in doubt, or if symptoms occur, seek medical advice. Take off immediately all contaminated clothing and wash it before reuse.

Following inhalation

Remove the affected person to fresh air and keep them warm and at rest. If they are unconscious but breathing, place them in the recovery position and seek medical advice. If experiencing respiratory symptoms: call a doctor.

Following skin contact

Take off contaminated clothing and wash before wearing again. Gently wash with plenty of soap and water.

If skin reactions occur, seek medical advice. Do not pull the solidified product off the skin. Do not forcibly remove any product crusts that form on affected areas of skin or use solvents to remove them.

Following eye contact

If in contact with the eyes, rinse immediately with running water for 10 to 15 minutes, keep the eyelids open, and seek medical advice from an eye specialist. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.

Following ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Never administer anything orally to an unconscious person or to a person experiencing convulsions. Get medical advice/attention if you feel unwell.

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

No information is available.

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

Symptomatic treatment.

5. Fire-fighting measures *

5.1. Extinguishing media

Suitable extinguishing media

Use foam, carbon dioxide (CO₂) or dry powder extinguishing agents. Adapt extinguishing measures to the surrounding conditions.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire, toxic pyrolysis products may be formed, including carbon monoxide and carbon dioxide (CO₂)

5.3. Advice for firefighters

In case of fire, wear self-contained breathing apparatus. Full protective suit.

Additional notes

Use a water spray to protect personnel and cool containers in the hazardous area. Collect contaminated extinguishing water separately. Do not allow to enter the sewer system or waters.

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6. Accidental release measures *

6.1. Personal precautions, protective equipment and emergency procedures

General notes

Remove all sources of ignition. Do not breathe gas/fumes/mist/vapours. Avoid contact with skin, eyes and clothing.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment.

For emergency responders

Personal protective equipment: see Section 8

6.2. Environmental precautions

Do not allow the product to pass into the environment uncontrolled.

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Cover the sewer system.

For cleaning

Collect with liquid-absorbing material (sand, diatomaceous earth, acid binder, universal binder). Handle the collected material in accordance with the section on disposal.

Additional information

Clean contaminated objects and floors thoroughly, observing environmental regulations.

6.4. Reference to other sections

Handling and storage: see Section 7

Personal protective equipment: see Section 8

Disposal: see Section 13

7. Handling and storage *

7.1. Precautions for safe handling

Notes on safe use

Provide adequate ventilation. Do not breathe gas/fumes/mist/vapours. Avoid contact with skin, eyes and clothing.

Use personal protection equipment.

Notes on fire and explosion precautions

Standard measures to prevent fire.

Information on general occupational hygiene

Take off contaminated clothing. Wash hands before taking a break or finishing work. Do not eat, drink or smoke or take snuff at the workplace.

7.2. Conditions for safe storage, including incompatibilities

Requirements for storage rooms and containers

Keep containers tightly closed. Keep container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames as well as other ignition sources. No smoking.

Notes on combined storage

Keep away from food and animal feeds. Protect from direct sunlight. Store away from oxidising agents

Further information on storage conditions

Store in a cool, dry place. Storage temperature: approx. 6 - 8°C
Storage class according to TRGS 510: 10 (combustible liquids that cannot be assigned to any of the aforementioned storage class)

7.3. Specific end use(s)

Adhesives and sealants

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8. Exposure controls/personal protection *

8.1. Parameters to be monitored

DNEL/DMEL values

CAS No.	Designation			
DNEL type	Exposure route	Effect	Value	
7085-85-0	Ethyl 2-cyanoacrylate			
User DNEL, acute		inhalation	local	9.25 mg/m ³
Employee DNEL, acute		inhalation	local	9.25 mg/m ³
User DNEL, acute		inhalation	systemic	9.25 mg/m ³
Employee DNEL, acute		inhalation	systemic	9.25 mg/m ³
User DNEL, long-term		inhalation	local	9.25 mg/m ³
Employee DNEL, long-term		inhalation	local	9.25 mg/m ³
User DNEL, long-term		inhalation	systemic	9.25 mg/m ³
Employee DNEL, long-term		inhalation	systemic	9.25 mg/m ³
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol			
Employee DNEL, long-term		dermal	systemic	3.33 mg/kg body weight per day
Employee DNEL, long-term		inhalation	systemic	2.1 mg/m ³
User DNEL, long-term		oral	systemic	0.6 mg/kg body weight per day
User DNEL, long-term		dermal	systemic	1.66 mg/kg body weight per day
User DNEL, long-term		inhalation	systemic	1.05 mg/m ³

PNEC values

CAS No.	Designation	
Environmental compartment		Value
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol	
Freshwater		0.00057 mg/l
Marine water		0.000057 mg/l
Freshwater sediment		0.0049 mg/kg
Marine sediment		0.00049 mg/kg
Microorganisms in sewage treatment plants		0.71 mg/l
Soil		0.00064 mg/kg

Additional notes on limit values

No national limit values have been defined to date.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation and local fume extraction at critical points.

Individual protection measures, such as personal protective equipment

Eye and face protection

Wear safety goggles and face protection. (DIN EN 166)

Gloves

Wear suitable protective gloves. (EN ISO 374)

In the event of frequent hand contact

Suitable material: butyl rubber

Glove material thickness: > 0.4 mm

Breakthrough time (maximum wearing time): > 240 min

In the event of brief hand contact

Suitable material: NBR (nitrile butadiene rubber)

Glove material thickness: > 0.4 mm

Breakthrough time (maximum wearing time): > 120 min

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When handling chemical substances, only chemical-resistant protective gloves bearing the CE marking and the four-digit identification number may be worn.
Chemical-resistant protective gloves must be selected for the specific workplace, taking into account the concentration and quantity of the hazardous substance. It is recommended that the chemical resistance of the protective gloves specified above be confirmed with the glove manufacturer for the special application.

Body protection Mask

Wear suitable protective clothing at work.
In case of inadequate ventilation wear respiratory protection.
(DIN EN 14387)
Filter type: A

Thermal hazards Environmental exposure controls

No information is available.
Do not release into the environment.

9. Physical and chemical properties *

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless, transparent
Odour:	pungent
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	150°C
Inflammability:	Not flammable.
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Flash point:	87°C
Ignition temperature:	500°C
Decomposition temperature:	not determined
pH:	not determined
Kinematic viscosity:	not determined
Water solubility:	Reacts with water
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	1.05 g/cm ³
Relative vapour density:	not determined
Particle properties:	not determined

9.2. Other information

No information is available.

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10. Stability and reactivity *

10.1. Reactivity	No hazardous reaction when handled and stored according to provisions.
10.2. Chemical stability	Under storage at normal ambient temperatures the product is stable.
10.3. Possible dangerous reactions	No hazardous reaction when handled and stored according to provisions.
10.4. Conditions to avoid	Protect from heat and frost
10.5. Incompatible materials	Strong oxidising agents, water, amines, alcohols, alkalis (caustic solutions)
10.6. Hazardous decomposition products	In the event of fire, toxic pyrolysis products may be formed, including carbon monoxide and carbon dioxide (CO ₂)

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.	Designation	Exposure route	Dose	Species	Source	Method
7085-85-0	Ethyl 2-cyanoacrylate	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	OECD 401
		dermal	LD50 > 2000 mg/kg	Rabbit	Manufacturer	OECD 402
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol	oral	LD50 367 mg/kg	Rat	Manufacturer	OECD 401

Irritant and corrosive effects Causes skin irritation.
Causes serious eye irritation.

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

Carcinogenic, mutagenic and reproductive toxic effects Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure May irritate the respiratory system. (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.

Information on likely exposure routes oral, dermal, inhalation, eye contact

11.2. Information on other hazards

Endocrine-disrupting properties This product does not contain any substance with endocrine-disrupting properties in humans, as none of the ingredients meets the criteria.

Other information Cyanoacrylate. Hazard. Bonds skin and eyes in seconds. Keep out of reach of children.

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12. Ecological information *

12.1. Toxicity

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

CAS No.	Designation	Dose	[h] [d]	Species	Source	Method
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol					
	Acute toxicity to algae	ErC50 0.033-0.330 mg/l	72 h	Algae	Manufacturer	
	Acute toxicity to crustaceans	EC50 0.061-0.134 mg/l	48 h	Daphnia magna (water flea)	Manufacturer	

12.2. Persistence and degradability

No information is available.

12.3. Bioaccumulation potential

No information is available.

Partition coefficient n-octanol/water

CAS No.	Designation	Log Pow
123-31-9	1,4-Dihydroxybenzene; Hydroquinone; Quinol	0.59

BCF

CAS No.	Designation	BCF	Species	Source
7085-85-0	Ethyl 2-cyanoacrylate	0.776		

12.4. Mobility in the soil

No information is available.

12.5. Results of the PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria set out in Annex XIII to REACH.

12.6. Endocrine-disrupting properties

This product does not contain any substance with endocrine-disrupting properties in non-target organisms, as none of the ingredients meets the criteria.

12.7. Other adverse effects

Do not release into the environment.

13. Disposal considerations *

13.1. Waste treatment methods Disposal recommendations

Do not allow to enter the sewer system or waters. Disposal in accordance with official regulations.
Waste codes and waste descriptions must be assigned in accordance with the German Ordinance implementing the European Waste Catalogue (EAKV), taking account of the specific industry and process.

Waste code – unused product

080409 WASTE FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINT, VARNISH AND ENAMEL), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from the MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste code – uncleaned packaging

150110 WASTE PACKAGING, ABSORBENTS, WIPES, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

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Disposal of uncleaned packaging and recommended cleaning agents

Contaminated packaging are to be treated in the same way as the substance.

14. Transport information *

Surface transport (ADR/RID)

14.1. UN number or ID number: UN 3334
 14.2. UN proper shipping name: Aviation regulated liquid, n.o.s. (ETHYL CYANOACRYLATE)
 14.3. Transport hazard classes: 9
 14.4. Packaging group: -
 Classification code: M11

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 3334
 14.2. UN proper shipping name: AVIATION REGULATED A LIQUID, N.O.S. (ETHYL CYANOACRYLATE)
 14.3. Transport hazard classes: 9
 14.4. Packaging group: N-S
 Classification code: M11

Maritime transport (IMDG)

14.1. UN number or ID number: UN 3334
 14.2. UN proper shipping name: AVIATION REGULATED LIQUID, N.O.S. (ETHYL CYANOACRYLATE)
 14.3. Transport hazard classes: 9
 14.4. Packaging group: -
 Hazard label: 9



Special provisions: 960
 Limited quantity (LQ): -
 Excepted quantity: -
 EmS: -

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. (ETHYL CYANOACRYLATE)
 14.3. Transport hazard classes: 9
 14.4. Packaging group: III
 Hazard label: 9



Special provisions: A27
 Limited quantity (LQ) – passenger aircraft: 30 kg G
 Passenger aircraft LQ: Y964
 Excepted quantity: E1
 IATA packing instruction – passenger aircraft: 964
 IATA maximum quantity – passenger aircraft: 450 l
 IATA packing instruction – cargo aircraft: 964
 IATA maximum quantity – cargo aircraft: 450 l

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14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

14.6. Special precautions for user

No information is available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

15. Regulatory information *

15.1. Safety, health and environmental regulations/legislation specific to the substance or preparation

EU regulations

Restrictions on use (REACH, Annex XVII):
Information on the SEVESO III Directive
2012/18/EU:

Entry 3, Entry 75

Not subject to the SEVESO III Directive

National regulations

Employment restrictions:

Observe the employment restrictions for young persons (Section 22 of the German Youth Employment Protection Act (JArbSchG)).
Observe the employment restrictions for pregnant and breastfeeding women (Sections 11 and 12 of the German Maternity Protection Act (MuSchG)).

German Technical Instructions on Air
Quality Control I:

5.2.5: Organic substances, expressed as total carbon, at $m \geq 0.50$ kg/h: conc. 50 mg/m³
 $\leq 95\%$

Proportion:

German Technical Instructions on Air
Quality Control II:

5.2.5. I: Organic substances at $m \geq 0.10$ kg/h: conc. 20 mg/m³
 $< 0.1\%$

Proportion:

Water hazard class:

2 – significantly hazardous to water

Status:

Classification of mixtures in accordance with Annex 1, No. 5 of the German Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV)

Additional notes

The national legislation must also be observed.

15.2. Chemical safety assessment

Chemical safety assessments have not been carried out for the substances in this mixture.

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%

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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
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
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
For abbreviations and acronyms, see the ECHA guidance on information requirements and chemical safety assessment, Chapter R.20 (Table of Terms and Abbreviations).

Classification of mixtures and evaluation method used in accordance with 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

Wording of the 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. Hazard. Bonds skin and eyes in seconds. Keep out of reach of children.

Additional information

The information is based on the current state of our knowledge. However, it does not constitute a guarantee of any product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for complying with all applicable laws and regulations.

* Data compared to the previous version Rev.-No. 1.4 altered.