

Safety Data Sheet according to Regulation (EC) No 1907/2006  
(REACH)

**marbaglue+**

Print date 10.02.2025  
Revision date 10.02.2025  
Version 1.1 (en)  
replaces version of 15.07.2024 (1.0)



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

**1.1 Product identifier**

**Trade name/designation** marbaglue+  
**Unique Formula Identifier** UFI: 24VH-20CC-V009-9MDR

**Hazard components**  
ethyl 2-cyanoacrylate

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

**Use of the substance/mixture**  
adhesive

**1.3 Details of the supplier of the safety data sheet**

**Supplier**  
Karl Marbach GmbH & Co. KG  
Karl-Marbach-Straße 1  
D-74080 Heilbronn  
Telephone +49(0)7131-918-0  
Telefax +49(0)7131-918-213  
E-mail [info@marbach.com](mailto:info@marbach.com)  
Website <http://www.marbach.com>

E-mail (competent person):  
[supplies@marbach.com](mailto:supplies@marbach.com)

**1.4 Emergency telephone number**

Emergency number of the company +49 (0) 700 / 24 112 112 (WIC)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to  
Regulation (EC) No 1272/2008  
[CLP]

Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H335

**Hazard statements for health hazards**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard components**  
ethyl 2-cyanoacrylate

**Hazard pictograms**



GHS07

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Signal word

Warning

Hazard statements

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

Precautionary statements

P261 Avoid breathing vapours/spray.  
P280 Wear protective gloves/protective clothing and eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of water/and soap.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor/if you feel unwell.

Special rules for supplemental label elements for certain mixtures

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.3 Other hazards

Adverse human health effects and symptoms

The mixture does not contain substances  $\geq 0.1\%$  of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Adverse environmental effects

The mixture does not contain substances  $\geq 0.1\%$  of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
7085-85-0	230-391-5	607-236-00-9	ethyl 2-cyanoacrylate	80 < 100 %	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315	STOT SE 3;H335: C $\geq$ 10%  ATE(oral): > 5000 mg/kg ATE(dermal): > 2000 mg/kg
REACH No.		Substance name				
01-2119527766-29		ethyl 2-cyanoacrylate				

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

First aider: Pay attention to self-protection!  
Never give anything by mouth to an unconscious person.

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**Following inhalation**

Remove affected person from the danger area and lay down.  
Take the person to fresh air and consult a doctor according to the symptoms.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.  
Take off immediately all contaminated clothing and wash it before reuse.  
In case of irritation consult a doctor.

**After eye contact**

Remove contact lens.  
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.

**Following ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Consult a doctor.

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

**Symptoms**

Dermatitis  
Dyspnoea  
eye irritation  
Cough  
Headache  
Symptoms can occur only after several hours.

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

**Notes for the doctor**

Treat symptomatically.

**Special treatment**

In the event of pulmonary irritation treat initially with dexamethasone metered-dose aerosol.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>)  
Extinguishing powder  
Water spray jet  
alcohol resistant foam  
Adjust fire extinguishing measures to the environment.

**Unsuitable extinguishing media**

Full water jet

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## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

In the event of fire the following can be released:

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (hydrocyanic acid)

## 5.3 Advice for firefighters

### Special protective equipment for firefighters

In case of fire and/or explosion do not breathe fumes.  
In case of fire: Wear self-contained breathing apparatus.  
Wear full-body protective suit.

## Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of contaminated extinguishant water according to official regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Keep away from sources of ignition - No smoking.  
Do not inhale vapours.  
Avoid contact with skin, eyes and clothes.  
Use personal protection equipment.  
Ensure adequate ventilation.  
Keep away unprotected persons.

#### For emergency responders

Ensure adequate ventilation.  
Personal protection equipment  
Keep away unprotected persons.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Stop leak if safe to do so.  
Do not allow to enter the soil, aquatic environments or drains.  
In case of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

#### For containment

If there is a risk of entry into the sewerage system, erect barriers and/or cover the sewerage system.

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
After taking up the material dispose according to regulation.

### 6.4 Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Do not inhale vapours.  
Avoid contact with skin, eyes and clothes.  
Keep away from sources of ignition - No smoking  
Provide good ventilation.  
Immediately remove all soiled, soaked clothing.  
Handle and open container with care.

Advices on general occupational hygiene

When using do not eat, drink, smoke.  
Wash hands before breaks and after work.  
Follow the instructions for use on the label.  
Please observe work hygiene regulations.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.  
Handle and open container with care.

Materials to avoid

Alkali (lye)  
Acid  
Oxidising agent  
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against:  
Heat  
UV-radiation/sunlight  
Keep locked up.  
Do not store product in passages or on stairs.

7.3 Specific end use(s)

Recommendation

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No	EC No	Substance name	occupational exposure limit value
7085-85-0	230-391-5	Ethyl cyanoacrylate	0,2 [ml/m3(ppm)] (IE)
7085-85-0	230-391-5	Ethyl cyanoacrylate	Short-term(ml/m3) 0,3 Short-term(mg/m3) 1,5 (UK)

DNEL worker

CAS No	Substance name	DNEL value	DNEL type	Remark
7085-85-0	ethyl 2-cyanoacrylate	9.25 mg/m³	long-term inhalative (local)	

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CAS No	Substance name	DNEL value	DNEL type	Remark
7085-85-0	ethyl 2-cyanoacrylate	9.25 mg/m <sup>3</sup>	long-term inhalative (systemic)	

### DNEL Consumer

CAS No	Substance name	DNEL value	DNEL type	Remark
7085-85-0	ethyl 2-cyanoacrylate	9.25 mg/m <sup>3</sup>	long-term inhalative (local)	
7085-85-0	ethyl 2-cyanoacrylate	9.25 mg/m <sup>3</sup>	long-term inhalative (systemic)	

## 8.2 Exposure controls

### Appropriate engineering controls

#### Remark

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. BS EN 14042.

BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### Technical measures to prevent exposure

Sufficient ventilation and exhaustion.

### Personal protection equipment

#### Eye/face protection

tight-closing safety goggles (according to EN 166)

#### Hand protection

Suitable material:

NBR (Nitrile rubber)

Butyl caoutchouc (butyl rubber)

Glove thickness:  $\geq 0.4$  mm

Penetration time:  $> 480$  min

The selection of a suitable glove depends from manufacturer to manufacturer not only on the material, but also on further quality criteria.

The exact breakthrough time of the glove material is to be inquired from the protection glove manufacturer and must be strictly adhered to.

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.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374.

#### Body protection:

Protective clothing

#### Respiratory protection

In the case of appropriate use and under normal conditions a respiratory protection is not necessary.

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**Thermal hazards**  
not applicable

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**  
liquid

**Colour**  
clear  
colourless

**Odour**  
stinging  
characteristic

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	> 149 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	approx. 87 °C		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH			not applicable
Viscosity	not determined		
Solubility(ies)	Water solubility		insoluble
Partition coefficient n-octanol/water (log value)	1.42		CAS No7085-85-0 ethyl 2-cyanoacrylate
Vapour pressure	< 0.2 mm Hg (25°C)		
Density and/or relative density	Relative density 1.05 (20°C)		
Relative vapour density	approx. 3		
particle characteristics			not applicable

**9.2 Other information**

**Other safety characteristics**

	Value	Method	Source, Remark
Explosive properties			The product is not explosive
Oxidising properties			The product is not oxidizing

**Other information**  
none

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SECTION 10: Stability and reactivity

10.1 Reactivity

Reacts vigorously with water.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Danger of polymerisation

10.4 Conditions to avoid

Heat, open flames, sparks.  
moisture

10.5 Incompatible materials

Hazardous polymerisation:  
Water  
Alkali (lye)  
Acid  
Oxidising agent  
Amines  
Alcohols

10.6 Hazardous decomposition products

No decomposition products will result from proper storage and handling.

SECTION 11: Toxicological information

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

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	CAS No7085-85-0 ethyl 2-cyanoacrylate LD50: > 5000 mg/kg Species Rat	OECD 401	
Acute dermal toxicity	CAS No7085-85-0 ethyl 2-cyanoacrylate LD50: > 2000 mg/kg Species Rabbit	OECD 402	
Acute inhalation toxicity	not determined		

Assessment/classification

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

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
CAS No7085-85-0 ethyl 2-cyanoacrylate Causes skin irritation. Species Rabbit	OECD 404	



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Assessment/classification

Causes skin irritation.

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
CAS No7085-85-0 ethyl 2-cyanoacrylate Causes serious eye irritation. Species Rabbit	OECD 405	

Assessment/classification

Causes serious eye irritation.

Sensitisation to the respiratory tract

Assessment/classification

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

Skin sensitisation

Assessment/classification

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

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

Overall Assessment on CMR properties

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

STOT-single exposure

STOT SE 1 and 2

Assessment/classification

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

STOT SE 3

Irritation to respiratory tract

Assessment/classification

May cause respiratory irritation.

Narcotic effects

Assessment/classification

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

STOT-repeated exposure

Assessment/classification

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

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Aspiration hazard

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

11.2 Information on other hazards

Information on other hazards

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			No data available

Other information

The product is to be handled with the caution usual with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			No data available

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12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Ecological data are not available.  
Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
080409 *	waste adhesives and sealants containing organic solvents or other hazardous substances
Waste code packaging	Waste name
150110 *	packaging containing residues of or contaminated by hazardous substances

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of waste according to applicable legislation.  
Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Remark

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable  
The product is not intended for carriage in bulk.

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other regulations (EU)

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC**

VOC content, delivery state 0 %

### 15.2 Chemical Safety Assessment

#### National regulations

A material safety assessment was not conducted.

## SECTION 16: Other information

### Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Skin Irrit. 2: Skin irritation, Category 2

Eye Irrit. 2: Eye irritation, Category 2

STOT SE 3, H335: Specific target organ toxicity (single exposure), Category 3

### Key literature references and sources for data

Data sheets of the sub-supplier.

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

The product is to be produced on the basis of the available hazard data of the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008, classified.

Classification procedure:

Calculation

### Training advice

The product is to be handled with the caution usual with chemicals.

### Additional information

National and local regulations concerning chemicals shall be observed.

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.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Each user is responsible for the implementation of the national special regulations.

### Relevant H- and EUH-phrases (Number and full text)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.