

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CA Glue (medium)

Revision date: 16.01.2019

Product code: 150102

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Adhesives, sealants

1.3. Details of the supplier of the safety data sheet

Company name:	R&G Faserverbundwerkstoffe GmbH	
Street:	Im Meißel 7 - 13	
Place:	D-71111 Waldenbuch	
Post-office box:	1145	
	D-71107 Waldenbuch	
Telephone:	+49-7157-530460	Telefax: +49-7157-530470
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	

1.4. Emergency telephone number: Vergiftungs-Informationen-Zentrale Freiburg
Tel: +49 (0)761 19240

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

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of Water.

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

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P312 present and easy to do. Continue rinsing.
 Call a POISON CENTER/doctor if you feel unwell.
 P321 Specific treatment (see Precautionary statements on this label).

Special labelling of certain mixtures

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

2.3. Other hazards

This substance does not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7085-85-0	ethyl 2-cyanoacrylate			95 - <= 100 %
	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			< 0.1 %
	204-617-8	604-005-00-4	01-2119524016-51	
	Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10); H351 H341 H302 H318 H317 H400			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

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

After inhalation

Provide fresh air. In case of breathing difficulties administer oxygen. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Protect uninjured eye. Consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.

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

Skin contact: Causes mild skin irritation. erythema (redness)

Eye contact: Conjunctival redness. Causes tears.. Potential hazards: Corneal opacity. Possible risk of irreversible effects.

After ingestion: Irritant. Nausea, Vomiting, Gastrointestinal complaints

Inhalation: Cough,

Symptoms / delayed effects: Symptoms can occur only after several hours.: not applicable

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

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Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, toxic

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**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. 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

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothes. Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

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. Protect from moisture.
Suitable container/equipment material: Polyethylene (PE)**Hints on joint storage**

Do not store together with: Oxidizing agents, strong. Strong acid.

7.3. Specific end use(s)

Adhesives, sealants

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

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	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**

Provide adequate ventilation as well as local exhaust at critical locations.

Protective and hygiene measures

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 or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves.

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. 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.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	colourless	
Odour:	characteristic	
pH-Value:		not applicable

Changes in the physical state

Melting point:		not determined
Initial boiling point and boiling range:		> 149 °C
Flash point:		80 - 93,4 °C

Flammability

Solid:		not applicable
Gas:		not applicable

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Explosive properties

not determined

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: 450 °C

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: < 700 hPa

Density: 1,05 g/cm³

Water solubility: Reacts with : Water

Solubility in other solvents

Soluble in: Acetone

Partition coefficient: not determined

Viscosity / dynamic:
(at 25 °C) 75-125 mPa·s

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Odour threshold: not determined

SECTION 10: Stability and reactivity**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

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Oxidizing agents, strong. Strong acid.

10.6. Hazardous decomposition products

In case of fire may be liberated: Gases/vapours, toxic

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol				
	oral	LD50 mg/kg	720	Rat	Manufacturer

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.

Aspiration hazard

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

Practical experience**Other observations**

Skin contact: Causes mild skin irritation. @ 1101.B11077.

Eye contact: Conjunctival redness. Causes tears.. Potential hazards: Corneal opacity. Possible risk of irreversible effects.

After ingestion: Irritant. Nausea, Vomiting, Gastrointestinal complaints

Inhalation: Cough,

Symptoms / delayed effects: Symptoms can occur only after several hours.: not applicable

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

12.2. Persistence and degradability

Product is biodegradable.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

Mobility in soil: Adsorption

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. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

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Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 3334
14.2. UN proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. (ethyl 2-cyanoacrylate)
14.3. Transport hazard class(es):	9
14.4. Packing group:	-
Classification code:	M11

Inland waterways transport (ADN)

14.1. UN number:	UN 3334
14.2. UN proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. (ethyl 2-cyanoacrylate)
14.3. Transport hazard class(es):	9
14.4. Packing group:	N-S
Classification code:	M11

Marine transport (IMDG)

14.1. UN number:	UN 3334
14.2. UN proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. (ethyl 2-cyanoacrylate)
14.3. Transport hazard class(es):	9
14.4. Packing group:	-
Hazard label:	9



Special Provisions:	960
Limited quantity:	-
Excepted quantity:	-
EmS:	-

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 3334
14.2. UN proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. (ethyl 2-cyanoacrylate)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9



Special Provisions:	A27
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y964
Excepted quantity:	E1
IATA-packing instructions - Passenger:	964
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	964
IATA-max. quantity - Cargo:	450 L

14.5. Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**EU regulatory information**

2010/75/EU (VOC): < 20 g/L
 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 juvenils according to the 'juvenile work protection guideline' (94/33/EC).
 Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%

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

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Further Information

The information is based on present level of our knowledge. It does not, however, give assurances 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 data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)