

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cyanoacrylate red

Print date: 15.03.2013

Product code: 150110-GHS-2013

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1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Cyanoacrylate red

Company/undertaking identification

Company name: R&G Faserverbundwerkstoffe GmbH
Composite Technology
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: poison information centre

2. Hazards identification

Classification

Indications of danger: Xi - Irritant
R phrases:
Irritating to eyes, respiratory system and skin.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC No	CAS No	Chemical name Classification GHS classification	Quantity
230-391-5	7085-85-0	ethyl 2-cyanoacrylate Xi - Irritant R36/37/38 Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	50 - < 100 %
	9011-14-7	Polymethylmethacrylat Xi - Irritant R36-37-38	1 - < 20 %
204-617-8	123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol Carc. Cat. 3, Muta. Cat. 3, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R40-68-22-41-43-50 Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H351 H341 H302 H318 H317 H400	0,1 - < 1 %

Full text of R and H phrases: see Section 16.

4. First aid measures

General information

Change contaminated clothing.

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After inhalation

Provide fresh air. Consult a doctor when complaints persist.

After contact with skin

After contact with skin, wash immediately with soap and plenty of water. If skin becomes irritated, seek medical treatment.

After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not attempt to make an unconscious person vomit. Consult physician.

Advice to doctor

Provide symptomatic treatment.

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂).
Extinguishing powder.
Sand.
Water fog.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases

Pyrolysis products, toxic. (Nitrogen oxides (NO_x). Carbon monoxide. (CO))

Special protective equipment for fire-fighters

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

Additional information

Immediately move undamaged cans out of the danger area, and if necessary cool with water. Danger of bursting! Contaminated fire-fighting water must not get into the sewerage network.

6. Accidental release measures

Personal precautions

Provide adequate ventilation. Remove from all sources of ignition. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Special skid risk by leaking/spilling product.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Prevent allover extension (e.g.knocking-down or a boom).

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of contaminated material as § 13 waste.

7. Handling and storage

Handling

Advice on safe handling

Ventilate adequately storage and work rooms.

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Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking.

Storage

Requirements for storage rooms and vessels

Protect against the effects of heat and direct sunlight. Keep in a cool, well-ventilated place. Keep receptacles tightly sealed. Provide a solvent-resistant and sealed floor. Only use containers approved for especially this product.

Advice on storage compatibility

Keep away from oxidising agents.

Storageclass (D): 12

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

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

8.2. Exposure controls

Occupational exposure controls

Ventilate adequately storage and work rooms.

Protective and hygiene measures

"Wash hands when done working with material; at breaks, lunch, shift changes, etc." Do not smoke, eat, or drink during work.

Respiratory protection

In the event of long or excessive effects: use a gas mask with type A filter.

Hand protection

Wear protective gloves. (EN 374) > 120 min
Protect skin by using skin protective cream.

Eye protection

Tightly sealed safety glasses. (EN 166)

Skin protection

Wear protective clothing.

9. Physical and chemical properties

General information

Physical state: liquid
Colour: colourless
Odour: pungent

Important health, safety and environmental information

Test method

Changes in the physical state

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Boiling point:	150 °C
Flash point:	85 °C
Density (at 20 °C):	1,04 g/cm ³
Water solubility:	insoluble

9.2. Other information

Auto-ignition temperature
Solid:

490 °C

10. Stability and reactivity

10.4. Conditions to avoid

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Gas / vapours, irritant.

11. Toxicological information

Acute toxicity

none known

Empirical data on effects on humans

none known

Further information

The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

12. Ecological information

13. Disposal considerations

Advice on disposal

Dispose of as hazardous waste.

Waste disposal number of used product

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 dangerous substances
Classified as hazardous waste.

Contaminated packaging

Uncontaminated packaging can be recycled. Noncleanable packaging must be disposed of like the substance.

14. Transport information

Land transport (ADR/RID)

Description of the goods

Not a hazardous material with respect to transportation regulations.

Inland waterways transport (ADN)

Description of the goods

Not a hazardous material with respect to transportation regulations.

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Marine transport (IMDG)

Description of the goods

Not a hazardous material with respect to transportation regulations.

Air transport (ICAO)

UN/ID number: UN

ICAO/IATA-DGR: .

Description of the goods

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Labelling

Danger symbols: Xi - Irritant



Xi - Irritant

Hazardous components which must be listed on the label

1,4-Dihydroxybenzol

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.

S phrases

- 02 Keep out of the reach of children.
- 23 Do not breathe Dampf.
- 24 Avoid contact with skin.
- 25 Avoid contact with eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

Special labelling of certain mixtures

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

Additional advice on labelling

The product is classified and labelled under the EC Directives/hazardous substances laws (GefStoffV).

GHS labelling

National regulatory information

Additional information

UVV: Verarbeiten von Klebstoffen (VBG 81).

16. Other information

Full text of R phrases referred to under Sections 2 and 3

- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 40 Limited evidence of a carcinogenic effect.

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- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.
- 50 Very toxic to aquatic organisms.
- 68 Possible risks of irreversible effects.

Full text of H statements referred to under Sections 2 and 3

- 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.

Further Information

All information, recommendations, and advice on the part of R&G Faserverbundwerkstoffe GmbH are published to the best of our knowledge and belief. They are noncommittal and contain neither explicit nor tacit assurance or warranty of particular properties. The values specified for properties are typical figures. Recommendations or advice serve to describe our products and possible applications in a general or exemplary, but not specifically individual manner. In the course of the constant technical advancement and improvement of our products there may be changes to the characteristic values, copy, and diagrams; no specific reference is made to any such change. Owing to our products' wide and highly diverse range of potential applications far beyond any of our attempts to analyse, the customer alone is responsible for examining our products' suitability for the respective processes and purposes and their respective processibility. All and any protective rights and the applicable laws, terms, and conditions must be observed by the buyer or user of our products at their own responsibility. Publication is not a licence and does not intend the violation of any patents.

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