Telefax: +49-(0)221-63079950



# **Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

### 810.000 RENIA - Proto-Colle =S=Sekundenkleber

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

### Identification of the substance or preparation

810.000 RENIA - Proto-Colle =S=Sekundenkleber

### Use of the substance/preparation

adhesives

### Company/undertaking identification

Company name : Renia - GmbH

Chemische Fabrik

Street: Ostmerheimer Straße 516

Place : D-51109 Köln
Post-office box : 910 659
D-51076 Köln

Telephone: +49-(0)221-6307990

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Internet : www.renia.com
Inquiry office : F & E, Labor

Emergency telephone: +49-(0)221-63079924

## 2. Hazards identification

### Classification

Indications of danger: Irritant

R-phrases:

Irritating to eyes, respiratory system and skin.

#### Explication of special hazards for human health and environment

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

# 3. Composition/information on ingredients

# Chemical characterization ( substance )

adhesive based on cyanacrylacid-ethylester

## **Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
230-391-5	7085-85-0	ethyl 2-cyanoacrylate	95-100 %	Xi R36/37/38
204-617-8	123-31-9	1,4-dihydroxybenzene, hydroquinone, quinol		Carc. Cat. 3, Muta. Cat. 3, Xn, Xi, N R40-68-22-41-43-50

Full text of each relevant R phrase can be found in heading 16.

### 4. First aid measures

# After inhalation

Move to fresh air in case of accidental inhalation of vapours. Consult a physician.

### After contact with skin

Take off all contaminated clothing immediately. Rinse with water. Clean with soap and pumice.

# After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Verband mit steriler Gaze anlegen. Consult a physician.

## After ingestion

Do not induce vomiting. Call a physician immediately.





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## 5. Fire-fighting measures

#### Suitable extinguishing media

carbon dioxide (CO2) dry chemical foam water spray

## Extinguishing media which must not be used for safety reasons

high volume water jet

# 6. Accidental release measures

#### Personal precautions

Remove all sources of ignition. When using do not smoke. Ensure adequate ventilation.

#### **Environmental precautions**

Do not let product enter drains.

#### Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dispose of as special waste in compliance with local and national regulations

## 7. Handling and storage

#### **Handling**

#### Advice on safe handling

Use only in well-ventilated areas. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms.

### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. In use, may form flammable/explosive vapour-air mixture.

#### **Storage**

## Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

# Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

## Further information on storage conditions

Keep away from heat. Protect against freezing. Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

## 8. Exposure controls/personal protection

## **Exposure limit values**

### **Exposure limits (EH40)**

CAS No.	Substance	ml/m³	mg/m³	F/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

### **Exposure controls**

## Protective and hygiene measures



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When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.

## Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. (gas filter type A2)

### Hand protection

solvent-resistant gloves: nitrile rubber, butyl-rubber, fluoric rubber

Test suitability of gloves before use.

## Eye protection

safety glasses

### 9. Physical and chemical properties

### **General information**

Physical state: liquid

Colour : colourless clear Odour : ester-like, stinging

## Important health, safety and environmental information

Test method

pH-Value : 4,6 - 5,6

Changes in the physical state

Melting point : -30 °C

Boiling point : 2,7mbar: 54 - 56 °C DIN 53 171

Flash point: 83 °C DIN 51 755

Lower explosion limits : not applicable Upper explosion limits : not applicable

Vapour pressure: <1 hPa DIN 51 754

(at 20 °C)

Density (at 20 °C): 1.04 g/cm³ DIN 51 757

Water solubility: insoluble, polymerisiert

Viscosity / dynamic : 40 - 70 mPa·s DIN 53 015

(at 20 °C)

Solvent content

0 %

## Other information

Ignition temperature: 155 °C DIN 51 794

# 10. Stability and reactivity

# **Conditions to avoid**

Thermal decomposition can take place above 265°C.

# Materials to avoid

bases, water

# Hazardous decomposition products

No decomposition if used as directed.

# 11. Toxicological information

# Acute toxicity

Health injuries are not known or expected under normal use.





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#### Specific effects in experiment on an animal

no data available No data is available on the product itself.

#### Corrosive and irritant effects

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons. May cause skin and eye irritation in susceptible persons.

#### Sensitising effects

May cause sensitization of susceptible persons by inhalation of aerosol or dust.

### Severe effects after repeated or prolonged exposure

No data is available on the product itself.

### Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

## 12. Ecological information

### **Ecotoxicity**

Acute fish toxicity = LC50/48h/golden orfe = 100 mg/l

### Mobility

No data is available on the product itself.

## Persistence and degradability

Biological degradability 0 %.

# **Bioaccumulative potential**

No data is available on the product itself.

### **Further information**

Do not let product enter drains.

### 13. Disposal considerations

## Advice on disposal

Dispose of as special waste in compliance with local and national regulations

# Contaminated packaging

Inhalt mit Wasser oder Alkali vorsichtig polymerisieren.

Offer rinsed packaging material to local recycling facilities. Recycling of packaging materials (dual system).

# 14. Transport information

## Land transport (ADR/RID)

## **Description of the goods**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

#### **Inland waterways transport**

# Description of the goods

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### **Marine transport**

### Remarks (marine transport)

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

## Air transport

### Description of the goods

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR



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## 15. Regulatory information

## Labelling

Danger symbols : Xi - Irritant



Xi - Irritant

R phrases

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

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

24/25 Avoid contact with skin and eyes.

### Special labelling for certain preparations

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

## Additional advice on labelling

According to (National equivalent of EC-Dir. 67/548), as amended, the product is labelled as follows:

The product is classified and labelled in accordance with Directive 1999/45/EC.

# **EU regulatory information**

1999/13/EC (VOC): 0 % (991,12 g/l)

**National regulatory information** 

Water contaminating class : - - not water contaminating

## 16. Other information

## Full text of R-phrases referred to under sections 2 and 3

Harmful if swallowed.

41 Risk of serious damage to eyes.

May cause sensitization by skin contact.
Very toxic to aquatic organisms.

68 Very toxic to aquatic organisms.
68 Possible risks of irreversible effects.

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

#### Other data

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 singulary responsible for adhering to existing laws and regulations.