

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

834.000 GP-Atom

Print date : 28.12.2008

Product code : 834

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

Identification of the substance or preparation

834.000 GP-Atom

Use of the substance/preparation

adhesives

Company/undertaking identification

Company name : Renia - GmbH
Chemische Fabrik
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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 cyanoacrylic acid-ethylester

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
230-391-5	7085-85-0	ethyl 2-cyanoacrylate	90-100 %	Xi R36/37/38
204-617-8	123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	0,1-0,5 %	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.

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After ingestion

Do not induce vomiting. Call a physician immediately.

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.	Chemical name	ml/m ³	mg/m ³	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

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Protective and hygiene measures

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, fluoroc 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 : (at 20 °C)	< 1 hPa DIN EN 12
Density (at 20 °C) :	1.04 g/cm ³ DIN 51 757
Water solubility :	insoluble, polymerisiert
Viscosity / dynamic : (at 20 °C)	40 - 3000 mPa·s DIN 53018

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

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Acute toxicity

Health injuries are not known or expected under normal use.

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

Description of the goods

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

Air transport

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Description of the goods

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

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) : 95,3 % (991,12 g/l)

National regulatory information

Water contaminating class (D) : - - not water contaminating

16. Other information

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

22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
40 Limited evidence of a carcinogenic effect.
41 Risk of serious damage to eyes.
43 May cause sensitization by skin contact.
50 Very toxic to aquatic organisms.
68 Possible risks of irreversible effects.

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.