

Safety Data Sheet

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 2 of 9

**Hazard statements**

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

Precautionary statements

- | | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash ... thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P321 | Specific treatment (see ... on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to |

Special labelling of certain mixtures

- | | |
|--------|---|
| EUH202 | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. |
| EUH208 | Contains 1,4-dihydroxybenzene; hydroquinone; quinol. May produce an allergic reaction. |

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.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

adhesive based on cyanacrylacid-ethylester

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 3 of 9

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
230-391-5	ethyl 2-cyanoacrylate	95-100 %
7085-85-0	Xi - Irritant R36/37/38	
607-236-00-9	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2; H319 H335 H315	
204-617-8	1,4-dihydroxybenzene; hydroquinone; quinol	0,1-0,5 %
123-31-9	Carc. Cat. 3, Muta. Cat. 3, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R40-68-22-41-43-50	
604-005-00-4	Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H351 H341 H302 H318 H317 H400	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. Move to fresh air in case of accidental inhalation of vapours. Consult a physician.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Take off all contaminated clothing immediately. Rinse with water. Clean with soap and pumice.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. 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

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

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

Co-ordinate fire-fighting measures to the fire surroundings. carbon dioxide (CO₂) dry chemical foam water spray

Unsuitable extinguishing media

high volume water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 4 of 9

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. When using do not smoke. Ensure adequate ventilation.

6.2. Environmental precautions

Do not let product enter drains.

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. 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

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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. 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.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. 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

@N07.00314390 Protect against freezing. Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

7.3. Specific end use(s)

adhesives

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 5 of 9

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



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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. 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.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

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. solvent-resistant gloves: nitrile rubber, butyl-rubber, fluoric rubber
Test suitability of gloves before use.

Skin protection

Wear suitable protective clothing.

Respiratory protection

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless clear
 Odour: ester-like, stinging

Test method

pH-Value: 4,6

Changes in the physical state

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 6 of 9

Melting point: -30 °C
Initial boiling point and boiling range: 200 °C DIN 53 171
Flash point: 83 °C DIN 51 755

Flammability

Solid: not applicable
Gas: not applicable

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

Ignition temperature: 155 °C DIN 51 794

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: 0,5 hPa DIN EN 12
(at 20 °C)

Density (at 20 °C): 1,04 g/cm³ DIN 51 757

Water solubility: insoluble, polymerisiert

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: 40 - 70 mPa·s DIN 53018
(at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 0 %

9.2. Other information

Solid content: 100

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Danger of polymerisation.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Thermal decomposition can take place above 265°C.

10.5. Incompatible materials

bases, water

10.6. Hazardous decomposition products

Hydrogen cyanide (hydrocyanic acid). No decomposition if used as directed.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 7 of 9

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

Health injuries are not known or expected under normal use.

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	oral	LD50	302 mg/kg	Rat	IUCLID

Irritation and corrosivity

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.

STOT-single exposure

There are no data available on the preparation/mixture itself.

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.

Aspiration hazard

There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

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

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**Acute fish toxicity =
LC50/48h/golden orfe = 100 mg/l

CAS No	Chemical name	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	Acute fish toxicity	LC50	0,44 mg/l	96 h	Pimephales promelas	IUCLID
		Acute algae toxicity	ErC50	0,335 mg/l	72 h	Selenastrum capricornutum	IUCLID
		Acute crustacea toxicity	EC50	0,29 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

The product has not been tested. Biological degradability 0 %.

12.3. Bioaccumulative potential

No data is available on the product itself.

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

The product has not been tested.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 8 of 9

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment. Do not let product enter drains.

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

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Inhalt mit Wasser oder Alkali vorsichtig polymerisieren.
Offer rinsed packaging material to local recycling facilities. Recycling of packaging materials (dual system).

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name:

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

Inland waterways transport (ADN)

14.2. UN proper shipping name:

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

Marine transport (IMDG)

14.2. UN proper shipping name:

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

Air transport (ICAO)

14.2. UN proper shipping name:

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

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 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): 99,7 % (1036,88 g/l)

2004/42/EC (VOC): 99,7 % (1036,88 g/l)

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulatory information

Employment restrictions: Observe employment restrictions for young people.

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

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

810.000 Renia - ProtoColle =S= Super Glue

Print date: 15.11.2014

Product code: 810.000

Page 9 of 9

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been 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%

Relevant R-phrases (Number and full text)

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 sensitisation by skin contact.
50 Very toxic to aquatic organisms.
68 Possible risks of irreversible effects.

Relevant H- and EUH-phrases (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.
EUH208 Contains 1,4-dihydroxybenzene; hydroquinone; quinol. May produce an allergic reaction.

Further Information

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.