



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

580.000 Renia - RehaGol - Primer for TR

Print date: 11.10.2009

Product code: 580

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

Identification of the substance or preparation

580.000 Renia - RehaGol - Primer for TR

Use of the substance/preparation

flameable liquid ; Primer

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)221-630799-0	Telefax: +49-(0)221-630799-50
e-mail:	info@renia.com	
Contact person:	Herr Dr. Julian Grimme	Telephone: 17
Internet:	www.renia.com	
Responsible Department:	F & E, Labor	
Emergency telephone:	+49-(0)221-63079924	

2. Hazards identification

Classification

Indications of danger : Highly flammable, Irritant

R-phrases :

Highly flammable.

Irritating to eyes.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

GHS: Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

Explication of special hazards for human health and environment

In use, may form flammable/explosive vapour-air mixture. Production of corrosive vapours containing chlorine.

3. Composition/information on ingredients

Chemical characterization (Mixture)

chlorine containing composite in an organic solvent



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Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity
		Classification	
		GHS classification	
205-500-4	141-78-6	ethyl acetate	80-100 %
		F, Xi R11-36-66-67	
		Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
201-782-8	87-90-1	symclosene, trichloro-1,3,5-triazinetriol, trichloroisocyanuric acid	1-3 %
		O, Xn, Xi, N R8-22-31-36/37-50-53	
		Ox. Sol. 2, Acute Tox. 4 *, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H272 H302 H319 H335 H400 H410	

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

4. First aid measures

After inhalation

Move to fresh air in case of accidental inhalation of vapours. Consult a physician. If symptoms persist, call a physician.

After contact with skin

Take off all contaminated clothing immediately. Wash off with soap and water. Grease skin after contact.

After contact with eyes

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

After ingestion

Do not induce vomiting. Call a physician immediately.

Advice to doctor

In case of shortness of breath, give oxygen. Risk of product entering the lungs on vomiting after ingestion. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

5. Fire-fighting measures

Suitable extinguishing media

Suitable extinguishing media carbon dioxide (CO₂) dry chemical foam

Extinguishing media which must not be used for safety reasons

high volume water jet

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

In the event of fire and/or explosion do not breathe fumes. In use, may form flammable/explosive vapour-air mixture.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions

Remove all sources of ignition. When using do not smoke.

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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. Keep container tightly closed. Keep away from heat.

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. Cool containers / tanks with water spray.

Storage

Requirements for storage rooms and vessels

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

Further information on storage conditions

Keep away from heat.

Storageclass (VCI):

3

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
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

Exposure controls



Protective and hygiene measures

 Avoid contact with the skin and the eyes. 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



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9. Physical and chemical properties

General information

Physical state:	liquid
Colour:	colourless
Odour:	ester-like, slight chlorine

Important health, safety and environmental information

pH-Value:	not applicable	Test method
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Changes in the physical state

Melting point:	-35 °C	
Boiling point:	40 - 80 °C	DIN 53 171
Flash point:	-4 °C	DIN 51 755
Lower explosion limits:	2,1 vol. %	
Upper explosion limits:	11,5 vol. %	
Vapour pressure: (at 20 °C)	97 hPa	DIN EN 12

Water solubility:	0.930 g/cm ³	DIN 51 757
	partly miscible, Decomposes in contact with water.	

Viscosity / dynamic: (at 20 °C)	0,35 mPa·s	DIN 53018
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Solvent content

98 %

Other information

Ignition temperature:	260 °C	DIN 51 794
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10. Stability and reactivity

Conditions to avoid

Heating can release hazardous gases. Combustion produces caustic fumes.

Materials to avoid

metals, acids

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Acute toxicity

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

Specific effects in experiment on an animal

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

Corrosive and irritant effects

No data is available on the product itself.

Sensitising effects

No data is available on the product itself.



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Severe effects after repeated or prolonged exposure

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

12. Ecological information

Ecotoxicity

No data is available on the product itself.

Mobility

No data is available on the product itself.

Persistence and degradability

Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

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

Waste disposal number of waste from residues/unused products

070703 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; organic halogenated solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product

070703 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; organic halogenated solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

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

14. Transport information

Land transport (ADR/RID)

UN number:	1993
ADR/RID class:	3
Classification code:	F1
Warning plate	
Hazard-no.:	33
Hazard label:	3

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ADR/RID packing group: II
Limited quantity: LQ4
Tunnel restriction code: D/E

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Other applicable information (land transport)

Sondervorschrift 640D
: 274 - 330 - 601 - 640D
: 2

Inland waterways transport

UN number: 1993
ADNR class:
3
Classification code: F1
Hazard label: 3



Packing group: II
Limited quantity: 1 Liter

Description of the goods

1993 - Flammable liquid, n.o.s. (ethyl acetate)

Other applicable information (inland waterways transport)

: 640H
E1

Marine transport

UN number: 1993
IMDG code: 3
Marine pollutant: •
Hazard label: 3



IMDG packing group: II
EmS: F-E, S-D
Limited quantity: 1 Liter

Description of the goods

1993 - Flammable liquid, n.o.s. (ethyl acetate)

Other applicable information (marine transport)

Staukategorie B

Air transport

UN/ID number: 1993

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ICAO/IATA-DGR: 3
Hazard label: 3



ICAO packing group: II
Limited quantity Passenger: 10 L

IATA-packing instructions - Passenger: 309
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 310
IATA-max. quantity - Cargo: 220 L

Description of the goods

1993 - Flammable liquid, n.o.s. (ethyl acetate)

Other applicable information (air transport)

: Y309
E3
220 L
Special provisions: A3

15. Regulatory information

Labelling

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

R phrases

- 11 Highly flammable.
36 Irritating to eyes.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

S phrases

- 09 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe vapour .
29 Do not empty into drains.
33 Take precautionary measures against static discharges .

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. 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.

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GHS labelling

Signal word:

Danger

Pictograms:

flame; exclamation mark



Hazard statements

- | | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash ... thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P312 | Call a POISON CENTER or doctor/physician 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. |
| P370+P378 | In case of fire: Use sand, dry chemical or alcohol-resistant foam for extinction. |
| P235 | Keep cool. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to |

Special labelling for certain preparations

- In use may form flammable/explosive vapour-air mixture.
Repeated exposure may cause skin dryness or cracking.

EU regulatory information

1999/13/EC (VOC): 98 % (911,4 g/l)

Additional information

- Observe employment restrictions under the law for the protection of young people at work (94/33/EC).
Observe employment restrictions under the Maternity Protection Directive (EC 92/85/EEC) for expectant or nursing mothers.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

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16. Other information**Full text of R-phrases referred to under sections 2 and 3**

- | | |
|-------|---|
| 08 | Contact with combustible material may cause fire. |
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 31 | Contact with acids liberates toxic gas. |
| 36 | Irritating to eyes. |
| 36/37 | Irritating to eyes and respiratory system. |
| 50 | Very toxic to aquatic organisms. |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness. |

Full text of H-Statements referred to under sections 2 and 3

- | | |
|------|---|
| H225 | Highly flammable liquid and vapour. |
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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.

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