

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 1 of 6

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

Identification of the substance or preparation

570.000 RENIA - Primer für PUR

Use of the substance/preparation

flameable liquid

Company/undertaking identification

Company name : Renia - GmbH
Chemische Fabrik
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D-51076 Köln
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2. Hazards identification

Classification

Indications of danger : Highly flammable, Irritant
R-phrases :
Highly flammable.
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Explication of special hazards for human health and environment

In use, may form flammable/explosive vapour-air mixture. Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Chemical characterization (preparation)

solution of polyisocyanate in an organic solvent

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-500-4	141-78-6	ethyl acetate	70 - 95 %	F, Xi R11-36-66-67
209-544-5	584-84-9	4-methyl-m-phenylene diisocyanate, toluene-2,4-di-isocyanate	< 0,1 %	Carc. Cat. 3, T+, Xi R40-26-36/37/38-42/43-52-53

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. 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.

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 2 of 6

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 arriving 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.

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.

8. Exposure controls/personal protection

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 3 of 6

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	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

9. Physical and chemical properties

General information

Physical state : liquid
Colour : yellow, clear
Odour : ester-like, mild

Important health, safety and environmental information

pH-Value : not applicable
Test method

Changes in the physical state

Boiling point : 77 °C DIN 53 171
Flash point : -3 °C DIN 51 755
Lower explosion limits : 2,1 vol. %
Upper explosion limits : 11,5 vol. %
Vapour pressure : 97 hPa DIN 51 754
(at 20 °C)
Density (at 20 °C) : 1,00 g/cm³ DIN 51 757
Water solubility : Decomposes in contact with water.
Viscosity / dynamic : DIN 53 015
(at 20 °C)

Solvent content

92 %

Other information

Ignition temperature : 460 °C DIN 51 794

10. Stability and reactivity

Conditions to avoid

No decomposition if used as directed.

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 4 of 6

Materials to avoid

Exothermic reaction: amines, alcohols, acids, bases
Humid air and/or water will produce carbon dioxide which will pressurize the container.

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

LD50/oral/rat = > 2000 mg/kg
Mild eye irritation (rabbit)

Corrosive and irritant effects

May cause skin and eye irritation in susceptible persons. Contact with eyes may cause irritation.

Sensitising effects

No data is available on the product itself.

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

When under water, the product is transformed to poly-urea at the interface while producing CO₂.
Liquid soap or water soluble solvents enhance this reaction strongly.

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

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

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 5 of 6

Hazard-no. : 33
Hazard label : 3
ADR/RID packing group : II
Limited quantity : LQ4 3 Liter

Description of the goods

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (Dampfdruck bei 50 °C höchstens 110 kPa)

Remarks (land transport)

Special Provision 640D

Inland waterways transport

UN number : 1993
ADNR class : 3
Classification code : F1
Hazard label : 3
Packing group : III
Limited quantity : 1 Liter

Description of the goods

1993 - Flammable liquid, n.o.s.
(ETHYLACETAT)

Marine transport

UN number : 1993
IMDG code : 3
Marine pollutant : --
Hazard label : 3
IMDG packing group : II
EmS : F-E, S-E
Limited quantity : 1 Liter

Description of the goods

1993 - Flammable liquid, n.o.s.
(ETHYLACETAT)

Remarks (marine transport)

Staukategorie B

Air transport

UN/ID number : 1993
ICAO/IATA-DGR : 3
Hazard label : 3
ICAO packing group : II

Description of the goods

1993 - Flammable liquid, n.o.s.
(ETHYLACETAT)

15. Regulatory information

Labelling

Danger symbols : F - Highly flammable; Xi - Irritant



F - Highly flammable



Xi - Irritant

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

570.000 RENIA - Primer für PUR

Print date : 14.08.2007

Product code : 570

Page 6 of 6

R phrases

- 11 Highly flammable.
- 36 Irritating to eyes.
- 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 gas .
- 29 Do not empty into drains.
- 33 Take precautionary measures against static discharges.

Special labelling for certain preparations

Contains isocyanates. See information supplied by the manufacturer.

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) : 90 % (900 g/l)

National regulatory information

Water contaminating class : 1 - slightly water contaminating

16. Other information

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

- 11 Highly flammable.
- 26 Very toxic by inhalation.
- 36 Irritating to eyes.
- 52 Harmful to aquatic organisms.
- 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.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 42/43 May cause sensitization by inhalation and skin contact.

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 singularly responsible for adhering to existing laws and regulations.