

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 312.000 RENIA - Renol =76= - Spezialkleber

Print date : 14.08.2007

Product code : 312

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

### Identification of the substance or preparation

312.000 RENIA - Renol =76= - Spezialkleber

### 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      Telefax : +49-(0)221-63079950  
e-mail : info@renia.com  
Internet : www.renia.com  
Inquiry office : 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.  
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.

## 3. Composition/information on ingredients

### Chemical characterization ( preparation )

Polyurethane-Prepolymers with stabilizers in a mixture of organic solvents

### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-662-2	67-64-1	acetone, propan-2-one, propanone	30 - 50 %	F, Xi R11-36-66-67
205-500-4	141-78-6	ethyl acetate	30 - 50 %	F, Xi R11-36-66-67

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.

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#### 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 (CO<sub>2</sub>) 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

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#### Exposure limit values

##### Exposure limits (EH40)

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

##### BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
67-64-1	Aceton	80 mg/l	Aceton	U	b

#### 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
<b>Changes in the physical state</b>		
Melting point :	-4 - +8 °C	
Boiling point :	50 - 80 °C	DIN 53 171
Flash point :	-16 °C	DIN 51 755
Lower explosion limits :	0,6 vol. %	
Upper explosion limits :	13 vol. %	
Vapour pressure :	120 hPa	DIN 51 754
(at 20 °C)		
Density (at 20 °C) :	0.810 g/cm <sup>3</sup>	DIN 51 757
Water solubility :	insoluble	
Viscosity / dynamic :	1400 mPa·s	DIN 53 015
(at 20 °C)		

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#### Solvent content

81 %

#### Other information

Ignition temperature :

260 °C DIN 51 794

### 10. Stability and reactivity

#### Conditions to avoid

Thermal decomposition can take place above 200°C. No decomposition if used as directed.

#### Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### Hazardous decomposition products

Heating can release hazardous gases. Carbon oxides In the event of fire the following can be released: carbon dioxide (CO<sub>2</sub>) Carbon monoxide

### 11. Toxicological information

#### 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

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

The product is insoluble and floats on water.

#### 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

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#### Waste disposal number of waste from residues/unused products

080406 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products);

#### Waste disposal number of used product

080406 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products);

#### 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 : 1133  
ADR/RID class : 3  
Classification code : F1  
Warning plate  
Hazard-no. : 33  
Hazard label : 3  
ADR/RID packing group : III  
Limited quantity : LQ7 5 Liter

#### Description of the goods

KLEBSTOFFE, mit entzündbarem flüssigem Stoff (mit einem Flammpunkt unter 23 °C und viskos gemäß 2.2.3.1.4) (Dampfdruck bei 50 °C höchstens 110 kPa)

#### Remarks (land transport)

Special Provision 640H  
Tunnelbeschränkungscode 3(E)

### Inland waterways transport

UN number : 1133  
ADNR class : 3  
Classification code : F1  
Hazard label : 3  
Packing group : III  
Limited quantity : 5 Liter

#### Description of the goods

adhesives

### Marine transport

UN number : 1133  
IMDG code : 3  
Marine pollutant : --  
Hazard label : 3  
IMDG packing group : III  
EmS : F-E, S-D  
Limited quantity : 5 Liter

#### Description of the goods

adhesives

#### Remarks (marine transport)

Staukategorie A

### Air transport

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UN/ID number : 1133  
ICAO/IATA-DGR : 3  
Hazard label : 3  
ICAO packing group : III

**Description of the goods**  
adhesives

## 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.  
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.

### 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) : 80,6 % (652,86 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.  
36 Irritating to eyes.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

### 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.