

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 610.000 RENIA - Edelkitt - Lederkleber

Print date : 14.08.2007

Product code : 610

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

Abbreviation : Edelkitt

##### Identification of the substance or preparation

610.000 RENIA - Edelkitt - Lederkleber

##### 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

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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.

#### 3. Composition/information on ingredients

##### **Chemical characterization** ( preparation )

adhesive based on nitrocellulose (nitrogenousity < 12,6 %) and synthetic resins in a mixture of organic solvents.

##### **Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-662-2	67-64-1	Aceton	40 - 50 %	F, Xi R11-36-66-67
201-185-2	79-20-9	Methylacetat	30 - 40 %	F, Xi R11-36-66-67
200-661-7	67-63-0	2-Propanol	2 - 5 %	F, Xi R11-36-67

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.

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#### 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 (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.

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#### Further information on storage conditions

Keep away from heat.

### 8. Exposure controls/personal protection

#### 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
79-20-9	Methyl acetate	200	616		TWA (8 h)	WEL
		250	770		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

#### BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
67-63-0	2-Propanol	50 mg/l	Aceton	B	b
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. Do not inhale aerosol.

##### 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 - +5 °C	
Boiling point :	50 - 80 °C	DIN 53 171
Flash point :	-16 °C	DIN 51 755
Lower explosion limits :	2,5 vol. %	

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Upper explosion limits :	13 vol. %
Vapour pressure : (at 20 °C)	120 hPa DIN 51 754
Density (at 20 °C) :	0.810 g/cm <sup>3</sup> DIN 51 757
Water solubility :	insoluble
Viscosity / dynamic : (at 20 °C)	900 mPa·s DIN 53 015

#### Solvent content

76 %

#### Other information

Ignition temperature : 540 °C DIN 51 794

### 10. Stability and reactivity

#### Conditions to avoid

No decomposition if used as directed. Not to be distilled, danger of explosion.

#### Materials to avoid

No decomposition if used as directed.

#### Hazardous decomposition products

In the event of fire toxic brown nitrous vapours may be formed.

### 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

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.

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### 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

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

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#### Description of the goods

adhesives

#### Remarks (marine transport)

Staukategorie A

#### Air transport

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) : 78,2 % (633,42 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.