

**Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

**610.000 RENIA - Edelkitt - Lederkleber**

Print date: 11.10.2009

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**

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**Use of the substance/preparation**

adhesives

Roller application or brushing of adhesive and other coating.

**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.

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

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or 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 ( Mixture )**

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

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**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity
		Classification	
		GHS classification	
200-662-2	67-64-1	acetone; propan-2-one; propanone	40 - 50 %
		F, Xi R11-36-66-67	
		Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
201-185-2	79-20-9	methyl acetate	30 - 40 %
		F, Xi R11-36-66-67	
		Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
200-661-7	67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	2 - 5 %
		F, Xi R11-36-67	
		Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

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**

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#### 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

### Exposure limit values

#### Exposure limits (EH40)

CAS-No.	Chemical name	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

### 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 )



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#### 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: light yellow clear  
Odour: ester-like mild

### Important health, safety and environmental information

	Test method
pH-Value:	not applicable
<b>Changes in the physical state</b>	
Melting point:	-4 - +5 °C
Boiling point:	50-110 °C DIN 53171
Flash point:	-16 °C DIN 51755
Lower explosion limits:	2,5 vol. %
Upper explosion limits:	13 vol. %
Vapour pressure: (at 20 °C)	120 hPa
Water solubility:	0.810 g/cm <sup>3</sup> insoluble
Viscosity / dynamic:	900 mPa·s
<b>Solvent content</b> 76 %	

### Other information

Ignition temperature: 540 °C

## 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.



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#### 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

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

080409 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 adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

#### Waste disposal number of used product

080409 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 adhesives and sealants containing organic solvents or other dangerous substances  
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

## 14. Transport information

#### Land transport (ADR/RID)

UN number: 1133  
ADR/RID class: 3

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Classification code: F1

Warning plate

Hazard-no.: 33

Hazard label: 3



ADR/RID packing group: III

Limited quantity: LQ7

Tunnel restriction code: D/E

**Description of the goods**

Adhesives

**Other applicable information (land transport)**

E1

: 3

Special provisions: 640H

**Inland waterways transport**

UN number: 1133

ADNR class:

3

Classification code: F1

Hazard label: 3



Packing group: III

Limited quantity: LQ7

**Description of the goods**

Adhesives

**Other applicable information (inland waterways transport)**

Special provisions: 640H

E1

**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

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**Other applicable information (marine transport)**

Special provisions: 223, 944, 955

Category: A

E1

**Air transport**

UN/ID number: 1133

ICAO/IATA-DGR: 3

Hazard label: 3



ICAO packing group: III

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**

Adhesives

**Other applicable information (air transport)**

E3

: Y309

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.
- 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 damp vapour .
- 29 Do not empty into drains.
- 33 Take precautionary measures against static discharges .

**GHS labelling**

Signal word:

Danger

Pictograms:

flame; exclamation mark

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#### Hazard statements

- H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

#### 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.  
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): 78,2 % (633,42 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

### 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.

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

- H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**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.

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