

## Safety Data Sheet

according to 2001/58/EC

### 140.000 Renia - Ortec - Contactadhesive

Print date : 04.09.2006

Product code : 170

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

### Identification of the substance or preparation

140.000 Renia - Ortec - Contactadhesive

### 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

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Internet : www.renia.com

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## 2. Composition/information on ingredients

### Chemical characterization ( preparation )

polychloroprene adhesive with modified synthetic resins and stabilizers in a mixture of organic solvents

### Hazardous components

| EC-No.    | CAS-No.    | Chemical name  | Quantity | Classification                  |
|-----------|------------|--|----------|---------------------------------|
| 205-500-4 | 141-78-6   | ethyl acetate  | 25-35 %  | F, Xi R11-36-66-67              |
| 270-690-8 | 68476-50-6 | Hydrocarbons, C <sub>7</sub> =5, C <sub>5</sub> -6-rich, Low boiling point naphtha - unspecified | 20-30 %  | F, Xn, Xi, N R11-38-51/53-65-67 |
| 203-806-2 | 110-82-7   | cyclohexane  | 20-30 %  | F, Xn, Xi, N R11-65-38-67-50-53 |

Full text of each relevant R phrase can be found in heading 16.

## 3. Hazards identification

### Classification

Indications of danger : Highly flammable, Irritant, Dangerous for the environment

R-phrases :

Highly flammable.

Vapours may cause drowsiness and dizziness.

Irritating to eyes and skin.

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

### Explication of special hazards for human health and environment

In use, may form flammable/explosive vapour-air mixture.

## 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

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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.

### 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.

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## 8. Exposure controls/personal protection

### Exposure limit values

#### Exposure limits (EH40)

| CAS No.    | Substance  | ml/m³ | mg/m³ | F/ml | Category      | Origin |
|------------|--|-------|-------|------|---------------|--------|
| 110-82-7   | Cyclohexane  | 100   | 350   |      | TWA (8 h)     | WEL    |
|            |  | 300   | 1050  |      | STEL (15 min) | WEL    |
| 141-78-6   | Ethyl acetate  | 200   | -     |      | TWA (8 h)     | WEL    |
|            |  | 400   | -     |      | STEL (15 min) | WEL    |
| 68476-50-6 | Hydrocarbons, C <sub>5</sub> =5, C <sub>5</sub> -6-rich, Low boiling point naphtha - unspecified | 350   | 1000  |      | TWA (8 h)     | MAK    |
|            |  |       |       |      | STEL (15 min) | MAK    |

### Exposure controls



### Protective and hygiene measures

When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Use protective skin cream before 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  
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 :                      | 40 - 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 :<br>(at 20 °C)      | 120 hPa        | DIN 51 754  |

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Density (at 20 °C) :

0.795 g/cm<sup>3</sup> DIN 51 757

Water solubility :

insoluble

Viscosity / dynamic :  
(at 20 °C)

1050 mPa·s DIN 53 015

**Solvent content**

79 %

#### Other information

Ignition temperature :

260 °C DIN 51 794

### 10. Stability and reactivity

#### **Conditions to avoid**

Above 130 °C, hazardous fumes may be released. 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.

#### **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)**

ADR/RID class : 3  
Warning plate  
Hazard-no. : 30  
UN number : 1133  
Hazard label : 3  
ADR/RID packing group : III

**Description of the goods**

adhesives

**Remarks (land transport)**

Special Provision 640H

**Inland waterways transport**

ADN/ADNR class : 3  
Category : III  
UN number : 1133

**Description of the goods**

adhesives

**Marine transport**

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

**Description of the goods**

adhesives

**Air transport**

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

**Description of the goods**

adhesives

## 15. Regulatory information

**Labelling**

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Danger symbols :

F - Highly flammable; Xi - Irritant; N - Dangerous for the environment



F - Highly flammable

Xi - Irritant

N - Dangerous for the environment

Labelling according to EC-guidelines :

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.

#### R phrases

- 11 Highly flammable.
- 67 Vapours may cause drowsiness and dizziness.
- 36/38 Irritating to eyes and skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 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.

#### National regulations

- |                             |                         |
|-----------------------------|-------------------------|
| Water contaminating class : | 2 - water contaminating |
| 1999/13/EC (VOC) :          | 77,3 % (614,535 g/l)    |

### 16. Other information

#### List of relevant R phrases

- 11 Highly flammable.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 50 Very toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 36/38 Irritating to eyes and skin.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 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.