

Safety Data Sheet

Renia GmbH · D-51109 Köln

according to 2001/58/EC

530.000 Renia - Schnellkleber-Verdünner tf

Print date : 04.09.2006

Product code : 530

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

Identification of the substance or preparation

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Use of the substance/preparation

flameable liquid cleaner, thinner

Company/undertaking identification

Company name : Renia - GmbH
Chemische Fabrik
Street : Ostmerheimer Straße 516
Place : D-51109 Köln
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D-51076 Köln

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2. Composition/information on ingredients

Chemical characterization (preparation)
Mixture of organic solvents

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-500-4	141-78-6	Ethylacetat	30 - 40 %	F, Xi R11-36-66-67
270-690-8	68476-50-6	Spezialbenzin 60/95	30 - 40 %	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, Harmful, Irritant, Dangerous for the environment
R-phrases :
Highly flammable.
Harmful: may cause lung damage if swallowed.
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

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**

carbon dioxide (CO₂) dry chemical foam water spray

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 dangerous gases may be formed.

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. Ensure adequate ventilation.

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. Use only in area provided with appropriate exhaust ventilation.
Provide sufficient air exchange and/or exhaust in work rooms.

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.

Storage**Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures between 5 and 40°C.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from heat. Protect against freezing. Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

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8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	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	Spezialbenzin 60/95	350	1000		TWA (8 h)	MAK
					STEL (15 min)	MAK

BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
110-82-7	Cyclohexan	170 mg/g	Gesamt-1,2-Cyclohexan diol	U	c,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 feedings.

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 : colourless
Odour : ester-like, mild

Important health, safety and environmental information

pH-Value :

not applicable

Test method

Changes in the physical state

Melting point : -35 °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 : 120 hPa DIN 51 754
(at 20 °C)

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Density (at 20 °C) :

0.810 g/cm³ DIN 51 757

Water solubility :

insoluble

Viscosity / dynamic :
(at 20 °C)

0,35 mPa·s DIN 53 015

Solvent content

100 %

Other information

Ignition temperature :

260 °C DIN 51 794

10. Stability and reactivity**Conditions to avoid**

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

Can be distilled residue-free.

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

No data is available on the product itself.

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

according to 2001/58/EC

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Advice on disposal

Dispose of as special waste in compliance with local and national regulations

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

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 : 1993
Hazard label : 3
ADR/RID packing group : II

Description of the goods

1993 - Flammable liquid, n.o.s.
(ETHYLACETAT) Special Provision 640D

Remarks (land transport)

Special Provision 640H

Inland waterways transport

ADN/ADNR class : 3
UN number : 1993

Description of the goods

1993 - Flammable liquid, n.o.s.

Remarks (inland waterways transport)

1993 - Flammable liquid, n.o.s.

Marine transport

IMDG code : 3
UN number : 1993
Marine pollutant : --
EmS : 3-07
IMDG packing group : II
Hazard label : 3

Description of the goods

1993 - Flammable liquid, n.o.s.

Air transport

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

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Description of the goods

1993 - Flammable liquid, n.o.s.

15. Regulatory information

Labelling

Danger symbols :

F - Highly flammable; Xn - Harmful; N - Dangerous for the environment



F - Highly flammable

Xn - Harmful

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.

Hazardous component(s) to be indicated on label

Cyclohexan
Spezialbenzin 60/95

R phrases

- | | |
|-------|---|
| 11 | Highly flammable. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 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 . |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 33 | Take precautionary measures against static discharges. |
| 37 | Wear suitable gloves. |
| 43 | In case of fire, use . |
| 57 | Use appropriate containment to avoid environmental contamination. |
| 60 | This material and its container must be disposed of as hazardous waste. |
| 61 | Avoid release to the environment. Refer to special instructions / Safety data sheets. |
| 62 | If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. |

National regulations

Water contaminating class :	1 - slightly water contaminating
1999/13/EC (VOC) :	100 % (810 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. |

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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.