

**Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

530.000 Renia - Thinner

Print date: 30.05.2010

Product code: 530.000

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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	
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, Harmful, Irritant, Dangerous for the environment

R-phrases:

Highly flammable.

Irritating to eyes and skin.

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

Harmful: may cause lung damage if swallowed.

Vapours may cause drowsiness and dizziness.

GHS:

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients**Chemical characterization (substance)**

Mixture of organic solvents



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Hazardous components

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
REACH-No.	GHS classification	
205-500-4	ethyl acetate	40-50 %
141-78-6	F, Xi R11-36-66-67	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
270-690-8	Hydrocarbons, C \geq 5, C5-6-rich; Low boiling point naphtha - unspecified	40-50 %
68476-50-6	F, Xn, Xi, N R11-38-65-67-51-53	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225-H304-H315-H336-H411	
203-806-2	cyclohexane	10-20 %
110-82-7	F, Xn, Xi, N R11-65-38-67-50-53	
	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H225 H304 H315 H336 H400 H410	

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

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 arising from substance or preparation itself, combustion products, resulting gases

In the event of fire and/or explosion do not breathe fumes. In the event of fire dangerous gases may be formed.

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. 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.

Storageclass (VCI): 3

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
68476-50-6	Hydrocarbons, C>=5, C5-6-rich; Low boiling point naphtha - unspecified	200	1000		TWA (8 h)	MAK
110-82-7	Cyclohexane	100	350		STEL (15 min)	MAK
		300	1050		TWA (8 h)	WEL
141-78-6	Ethyl acetate	200	-		STEL (15 min)	WEL
		400	-		TWA (8 h)	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.



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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: colourless
Odour: ester-like, mild

Important health, safety and environmental information

	Test method
pH-Value:	not applicable
Changes in the physical state	
Melting point:	-35 °C
Boiling point:	40 - 80 °C DIN 53171
Flash point:	-16 °C
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	13 vol. %
Ignition temperature:	260 °C
Vapour pressure: (at 20 °C)	120 hPa DIN EN 12
Density (at 20 °C):	0.810 g/cm ³ DIN 51757
Water solubility:	insoluble
Viscosity / dynamic:	0,35 mPa·s
Solvent content:	100 %

Other information

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.



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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

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.

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

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: 1993
ADR/RID class: 3+10
Classification code: F1
Warning plate

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Hazard-no.: 33

Hazard label: 3+10



ADR/RID packing group: II

Limited quantity: LQ4, 3 Liter

Tunnel restriction code: D/E

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Hazardous Material: : cyclohexane

Other applicable information (land transport)

Special provisions: 640D

E2

Transport category: 2

Inland waterways transport

UN number: 1993

ADNR class: 3

Classification code: F1

Hazard label: 3+10



Packing group: II

Limited quantity: 1 Liter

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Hazardous Material: : cyclohexane

Other applicable information (inland waterways transport)

: 640G

Special provisions: 274 330 601 640D

E2

Marine transport

UN number: 1993

IMDG code: 3

Marine pollutant: •

Hazard label: 3+10



IMDG packing group: II

EmS: F-E, S-E

Limited quantity: 1 Liter

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Hazardous Material: : cyclohexane

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Other applicable information (marine transport)

Staukategorie B

Category: : B

Special provisions: 274, 330, 944

Air transport

UN/ID number: 1993

ICAO/IATA-DGR: 3

Hazard label: 3+10



ICAO packing group: II

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 305

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 307

IATA-max. quantity - Cargo: 60 L

Description of the goods

1993 - Flammable liquid, n.o.s. (ethyl acetate)

Other applicable information (air transport)

: Y309

E2

: Y305

60 L

Special provisions: A3

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

Hazardous components which must be listed on the label

Cyclohexan

Spezialbenzin 60/95

R phrases

- 11 Highly flammable.
36/38 Irritating to eyes and skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
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.

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- | | |
|----|---|
| 23 | Do not breathe vapour . |
| 29 | Do not empty into drains. |
| 33 | Take precautionary measures against static discharges. |
| 62 | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |

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. 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.

GHS labelling

Signal word:

Danger

Pictograms:

flame; exclamation mark; health hazard; environment



Hazard statements

- | | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H304 | May be fatal if swallowed and enters airways. |
| H411 | Toxic to aquatic life with long lasting effects. |

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. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P331 | Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P321 | Specific treatment (see ... on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P352 | Wash with plenty of soap and water. |
| 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. |

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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.
P391	Collect spillage.
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): 100 % (810 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

Water contaminating class (D): 2 - water contaminating

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

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

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

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.