

**Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

540.000 Renia - deSohl - Stripper

Print date: 30.05.2010

Product code: 540

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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/preparationflameable liquid
Solvent / 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	
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Responsible Department:	F & E, Labor	
Emergency telephone:	+49-(0)221-63079924	

2. Hazards identification**Classification**

Indications of danger : Highly flammable, Harmful, Irritant

R-phrases:

Possible risk of harm to the unborn child.

Highly flammable.

Irritating to eyes and skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

Reproductive toxicity: Repr. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

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

Mixture of organic solvents

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Hazardous components

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
REACH-No.	GHS classification	
203-625-9	toluene	60-90 %
108-88-3	F, Repr. Cat. 3, Xn, Xi R11-63-48/20-65-38-67	
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3; H225 H361d *** H304 H373 ** H315 H336	
205-500-4	ethyl acetate	20 - 50 %
141-78-6	F, Xi R11-36-66-67	
	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. Do not induce vomiting.

Advice to doctor

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.

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**

Dry extinguishing powder. Foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In case 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 case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers.

6. Accidental release measures**Personal precautions**

Remove all sources of ignition. Provide adequate ventilation.

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Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		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.

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

Tightly sealed safety glasses.

9. Physical and chemical properties

General information

Physical state: liquid
Colour: colourless
Odour: mild - characteristic

Important health, safety and environmental information

	Test method
pH-Value:	not applicable
Changes in the physical state	
Melting point:	-35 °C
Boiling point:	77 - 112 °C
Flash point:	-3 °C
Lower explosion limits:	0,5 vol. %
Upper explosion limits:	13 vol. %
Vapour pressure:	180 hPa
Density:	0,895 g/cm ³
Viscosity / dynamic:	0,35 mPa·s
Solvent content:	100 %

10. Stability and reactivity

Conditions to avoid

No decomposition if used as directed.

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

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

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

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No data is available on the product itself.

12. Ecological information

Ecotoxicity

The product is insoluble and floats on water.

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

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

14. Transport information

Land transport (ADR/RID)

UN number: 1993

ADR/RID class: 3

Classification code: F1

Warning plate

Hazard-no.: 33

Hazard label: 3



ADR/RID packing group: II

Limited quantity: LQ4

Tunnel restriction code: D/E

Description of the goods

FLAMMABLE LIQUID, N.O.S. (ethyl acetate)

Other applicable information (land transport)

Special provisions: 274 601 640D

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E2

Transport category: 2

Inland waterways transport

UN number: 1993
ADNR class: 3
Classification code: F1
Hazard label: 3



Packing group: II
Limited quantity: 1 Liter

Description of the goods

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

Other applicable information (inland waterways transport)

: 640H
: 274 330 601 640D
Hazardous Material: (ethyl acetate)
E2

Marine transport

UN number: 1993
IMDG code: 3
Marine pollutant: •
Hazard label: 3



IMDG packing group: II
EmS: F-E, S-E
Limited quantity: 1 Liter

Description of the goods

FLAMMABLE LIQUID, N.O.S.
Hazardous Material: (ethyl acetate)

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



ICAO packing group: II
Limited quantity Passenger: 1 L

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IATA-packing instructions - Passenger:	305
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	309
IATA-max. quantity - Cargo:	60 L

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Hazardous Material: (ethyl acetate)

Other applicable information (air transport)

: Y309

: Y305

E2

60 L

15. Regulatory information

Labelling

Danger symbols:

F - Highly flammable; Xn - Harmful



F - Highly flammable

Xn - Harmful

Hazardous components which must be listed on the label

Toluol

R phrases

- 63 Possible risk of harm to the unborn child.
- 11 Highly flammable.
- 36/38 Irritating to eyes and skin.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 67 Vapours may cause drowsiness and dizziness.

S phrases

- 02 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 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. 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

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Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe 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.
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.
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.
P308+P313	IF exposed or concerned: 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): 100 % (895 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

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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. |
| 48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| 63 | Possible risk of harm to the unborn child. |
| 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. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

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.

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