

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**530.000 Renia - Thinner**

Print date: 08.02.2012

Product code: 530.000

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

530.000 Renia - Thinner

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

flameable liquid cleaner, thinner

**Details of the supplier of the safety data sheet**

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
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Contact person:	Herr Dr. Julian Grimme	Telephone: 17
Internet:	www.renia.com	
Responsible Department:	F & E, Labor	

**Emergency telephone:** +49-(0)221-63079924**SECTION 2: Hazards identification****Classification of the substance or mixture**

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.

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**GHS classification**

Hazard categories:

Flammable liquid: Flam. Liq. 2

Acute toxicity: Acute Tox. 4

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.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

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May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Toxic to aquatic life with long lasting effects.

### Label elements

Signal word:

Danger

Pictograms:

GHS02-GHS07-GHS08-GHS09



### Hazardous components which must be listed on the label

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha cyclohexane

### Hazard statements

- |      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.              |
| H332 | Harmful if inhaled.                              |
| 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.   |
| 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 ....  |

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**Special labelling of certain mixtures**

- EUH018 In use may form flammable/explosive vapour-air mixture.  
EUH066 Repeated exposure may cause skin dryness or cracking.

**Additional advice on labelling**

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**Other hazards**

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

**SECTION 3: Composition/information on ingredients****Mixtures****Chemical characterization**

Mixture of organic solvents

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	30-50 %
64742-49-0	F, Xn, Xi, N R11-38-51-53-65-67	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
11-1111111111-11		
205-500-4	ethyl acetate	30-50 %
141-78-6	F, Xi R11-36-66-67	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
01-2119475103-46		
203-806-2	cyclohexane	10-30 %
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	
11-1111111111-11		

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures****Description of first aid measures****General information**

Move victim out of danger zone and lay down.

**After inhalation**

In case of inhalation of decomposition products, take the affected person into the fresh air and sit him quietly. Remove casualty to fresh air and keep warm and at rest.

**After contact with skin**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Grease skin after contact.



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**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

Do not induce vomiting. In case of allergic symptoms especially in the breathing area, seek medical advice immediately.

**Indication of any immediate medical attention and special treatment needed**

Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation.

## SECTION 5: Firefighting measures

**Extinguishing media****Suitable extinguishing media**

alcohol resistant foam. ABC powder. Atomized water. Dry sand.

**Extinguishing media which must not be used for safety reasons**

High power water jet. High power water jet.

**Special hazards arising from the substance or mixture**

In case of fire and/or explosion do not breathe fumes.

**Advice for firefighters**

Special exposure hazards arising from the substance itself, combustion products, resulting gases: In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

**Environmental precautions**

Do not empty into drains or the aquatic environment. Cover drains.

**Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

## SECTION 7: Handling and storage

**Precautions for safe handling****Advice on safe handling**

In case of open handling, use devices with built-in suction where possible. If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Only use material in places where open light, fire and other sources of ignition can be kept away. Vapours / aerosols must be extracted by suction immediately at point of origin.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

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#### Advice on storage compatibility

Store packaging and combustible materials separately from one another. Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Floors should be impenetrable, resistant to liquids and easy to clean.  
Store small quantities in appropriate dangerous substance cabinets.

#### Specific end use(s)

Solvent/Thinner.

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure limits (EH40)

CAS No	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	200	1000		TWA (8 h)	AGW
					STEL (15 min)	AGW
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

#### Exposure controls



#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Before starting work, apply solvent-cleaner-proof skin protection products.

#### Respiratory protection

Respiratory protection required in case of: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

#### Hand protection

Test suitability of gloves before use.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection

Tightly sealed safety glasses.

#### Environmental exposure controls

Do not allow to enter into soil/subsoil. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	ester

**Test method**

pH-Value:	Test not required.
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**Changes in the physical state**

Melting point:	-35 °C
Boiling point:	65 °C DIN 53 171
Flash point:	-16 °C DIN 51 755
Lower explosion limits:	1 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	260 °C DIN 51 794
Vapour pressure:	175 hPa DIN EN 12
(at 20 °C)	
Vapour pressure:	750 hPa
(at 50 °C)	
Density (at 20 °C):	0,79 g/cm³ DIN 51 757
Viscosity / dynamic:	0,35 mPa·s DIN 51550
(at 20 °C)	
Solvent separation test:	< 0,1 %
Solvent content:	100,00 %

**SECTION 10: Stability and reactivity****Reactivity**

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

**Chemical stability**

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

**Possibility of hazardous reactions**

Gas/vapour, highly flammable.

**Conditions to avoid**

Decomposition takes place from temperatures above: > 150 °C

**Incompatible materials**

Acid, concentrated. , Oxidizing agents, strong.

**Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapours.

**SECTION 11: Toxicological information****Information on toxicological effects****Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

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**Acute toxicity**

There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha				
	oral	LD50	5000 mg/kg	Rat.	
	dermal	LD50	3160 mg/kg	Rabbit.	
	inhalative (4 h)	LC50	12 mg/l	Rat.	
141-78-6	ethyl acetate				
	oral	LD50	5600 mg/kg	Ratte	
	dermal	LD50	18000 mg/kg	Kaninchen	
	inhalative (4 h)	LC50	58 mg/l	Ratte	
110-82-7	cyclohexane				
	oral	LD50	5000 mg/kg	Rat.	
	dermal	LD50	2000 mg/kg	Rabbit.	
	inhalative (4 h)	LC50	14 mg/l	Rat.	

**Specific effects in experiment on an animal**

There are no data available on the preparation/mixture itself.

**Irritation and corrosivity**

Frequently or prolonged contact with skin may cause dermal irritation.

**Sensitising effects**

May cause sensitization by inhalation and skin contact. Kolophonium, MMA

**Severe effects after repeated or prolonged exposure**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Inhalation causes narcotic effects/intoxication.

**Carcinogenic/mutagenic/toxic effects for reproduction**

There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information****Toxicity**

Longterm fish toxicity Product is easily volatile. Product is slightly soluble in test vehicle. An aqueous dispersion has been tested.

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CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	h	Species
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha				
	Acute fish toxicity	LC50	10 mg/l	96	
	Acute algae toxicity	ErC50	10 mg/l	96	
	Acute crustacea toxicity	EC50	10 mg/l	48	
141-78-6	ethyl acetate				
	Acute fish toxicity	LC50	230 mg/l	96	Pimephales promelas
	Acute algae toxicity	ErC50	3300 mg/l	72	Scenedesmus subspicatus
	Acute crustacea toxicity	EC50	717 mg/l	48	Daphnia magna
110-82-7	cyclohexane				
	Acute fish toxicity	LC50	55 mg/l	96	Leuciscus idus melanotus
	Acute algae toxicity	ErC50	500 mg/l	72	Desmodesmus subspicatus
	Acute crustacea toxicity	EC50	3,78 mg/l	48	Daphnia magna

**Persistence and degradability**

Product is biodegradable with difficulty.

**Bioaccumulative potential**

There are no data available on the preparation/mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	4-5,1
141-78-6	ethyl acetate	0,60
110-82-7	cyclohexane	3,44

**Mobility in soil**

There are no data available on the preparation/mixture itself.

**Results of PBT and vPvB assessment**

There are no data available on the preparation/mixture itself.

**Other adverse effects**

Toxic to aquatic life with long lasting effects.

**Further information**

Do not let product enter drains.

**SECTION 13: Disposal considerations****Waste treatment methods****Advice on disposal**

Consult the local waste disposal expert about waste disposal.

**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**



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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**

Completely emptied packings can be re-cycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**UN number:** 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

**Other applicable information (land transport)**

E2

**Inland waterways transport**

**UN number:** 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L

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

E2

**Marine transport**

**UN number:** 1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3

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Marine pollutant: no  
Special Provisions: 274  
Limited quantity: 1 L  
EmS: F-E, S-E

### Other applicable information (marine transport)

E2

### Air transport

**UN/ID number:** 1993  
**UN proper shipping name:** 1993 - Flammable liquid, n.o.s. (ethyl acetate)  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 1 L  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

### Other applicable information (air transport)

E2

: Y341

### Environmental hazards

Dangerous for the environment: yes



## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

1999/13/EC (VOC): 100 % (790 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 (92/85/EEC) for expectant or nursing mothers.

#### National regulatory information

Employment restrictions: Observe employment restrictions for child bearing mothers and nursing.  
Water contaminating class (D): 2 - water contaminating

### Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 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.                        |
| H332 | Harmful if inhaled.                                   |
| 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.

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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.)*