



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

510.000 Renia-Lederbeize - Leatherdye

Print date: 11.10.2009

Product code: 510

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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

Colour

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

R-phrases :

Highly flammable.

Irritating to eyes and skin.

Harmful 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 3

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.

Harmful to aquatic life with long lasting effects.

3. Composition/information on ingredients

Chemical characterization (substance)

leather dye based on azo- and azine-colours, dissolved in a mixture of organic solvents

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Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity
		Classification	
		GHS classification	
200-662-2	67-64-1	Aceton	40 - 50 %
		F, Xi R11-36-66-67	
		Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
270-690-8	68476-50-6	Hydrocarbons, C _{>=5} , C5-6-rich; Low boiling point naphtha - unspecified	20-25 %
		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	
200-578-6	64-17-5	ethanol, ethyl alcohol	15-25 %
		F R11	
		Flam. Liq. 2; H225	
215-535-7	1330-20-7	xylene	2-5 %
		Xn, Xi R10-20/21-38	
		Flam. Liq. 3, Acute Tox. 4 *, Acute Tox. 4 *, Skin Irrit. 2; H226 H332 H312 H315	

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.



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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.

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
68476-50-6	Hydrocarbons, C _{>=5} , C ₅₋₆ -rich; Low boiling point naphtha - unspecified	200	1000		TWA (8 h)	MAK
					STEL (15 min)	MAK
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1330-20-7	Xylene, o-, m-, p- or mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

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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)

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: black
Odour: mild - characteristic

Important health, safety and environmental information

pH-Value: not applicable Test method

Changes in the physical state

Melting point:	<-35 °C	
Boiling point:	40 - 110 °C	DIN 53171
Flash point:	-25 °C	DIN 51755
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	13 vol. %	
Vapour pressure:	120 hPa	DIN EN 12
Density:	0.800 g/cm ³	DIN 51757
Water solubility:	partly miscible	
Viscosity / dynamic: (at 20 °C)	3,5 mPa·s	DIN 53018

Solvent content

91,1 %

Other information

Ignition temperature: 260 °C DIN 51794

10. Stability and reactivity

Conditions to avoid

Thermal decomposition can take place above 200°C. No decomposition if used as directed.



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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 (CO₂) Carbon monoxide

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

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

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

Waste disposal number of waste from residues/unused products

080103 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish

Waste disposal number of used product

080103 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish

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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.

Other applicable information (land transport)

Hazardous Material: (Acetone)

Special provisions: 274 601 640D

Transport category: 2

Inland waterways transport

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



Packing group: II
Limited quantity: LQ4

Description of the goods

FLAMMABLE LIQUID, N.O.S.

Other applicable information (inland waterways transport)

: 640H

: 274 330 601 640D

Hazardous Material: (Acetone)

E2

Marine transport

UN number: 1993
IMDG code: 3

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Marine pollutant: •
Hazard label: 3



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

Description of the goods

FLAMMABLE LIQUID, N.O.S.
Auslöser: (Acetone)

Other applicable information (marine transport)

Staukategorie B
Category: : B
Special provisions: 274, 330, 944
E2

Air transport

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



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

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

Other applicable information (air transport)

: Y305
: Y307
E2
60 L

15. Regulatory information

Labelling

Danger symbols: F - Highly flammable; Xn - Harmful



F - Highly flammable

Xn - Harmful

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Hazardous component(s) to be indicated on label

Acetone

R phrases

- 11 Highly flammable.
36/38 Irritating to eyes and skin.
52/53 Harmful 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

- 02 Keep out of the reach of children.
46 If swallowed, 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



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.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.

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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.
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): 90,8 % (726,4 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**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

10	Flammable.
11	Highly flammable.
20/21	Harmful by inhalation and in contact with skin.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
38	Irritating to skin.
51	Toxic to aquatic organisms.
52/53	Harmful 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

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H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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