

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

010.000 Renia - QuickSohl - repair paste, light brown

Revision date: 04.01.2018

Product code: 010.000

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1. Identification**Product identifier**

010.000 Renia - QuickSohl - repair paste, light brown

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Adhesives, sealants
Roller application or brushing of adhesive and other coating.
Reserved for industrial and professional use.

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

Company name:	Renia Gesellschaft mbH. Chemische Fabrik	
	D	
Street:	Ostmerheimer Straße 516	
Place:	D-51109 Köln (Cologne)	
Post-office box:	910659	
	D-51076 Köln (Cologne)	
Telephone:	+49-221-630799-0	Telefax: +49-221-630799-50
e-mail:	info@renia.com	
Contact person:	Heinz Buchholz Dipl.Chem	Telephone: 16
e-mail:	labor@renia.com	
Internet:	www.renia.com	
Responsible Department:	Labor 07:30 - 16:00 Uhr	

Supplier

Company name:	Renia USA Inc.	
	USA	
Street:	6180 Atlantic Blvd, Suite N	
Place:	USA-30071 Norcross GA	
Telephone:	+1-770-713-2295	
e-mail:	rainer-buchholz@renia.com	
Contact person:	Dr. Rainer Buchholz	Telephone: +1-770-713-2295
e-mail:	rainer-buchholz@renia.com	
Internet:	www.renia.us	
Responsible Department:	Research: labor@renia.com	

Emergency phone number: Infotrac: 1-800-535-5053**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:
Flammable liquids: Flam. Liq. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Specific target organ toxicity single exposure: STOT SE 3
Hazard Statements:
Highly flammable liquid and vapor
Causes serious eye irritation
May cause drowsiness or dizziness
Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

Label elements**29 CFR Part 1910.1200**

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Signal word: Danger

Pictograms:



Hazard statements

Highly flammable liquid and vapor
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash ... thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use ... to extinguish.
Keep cool.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to waste management.

Additional advice on labelling

Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

Hazards not otherwise classified

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

3. Composition/information on ingredients

Mixtures

Chemical characterization

Polyurethane-prepolymers with stabilizers and filling materials in a mixture of organic solvents

Hazardous components

CAS No	Components	Quantity
67-64-1	acetone	25 - 30 %
141-78-6	ethyl acetate	25 - 30 %
123-86-4	n-butyl acetate	1 - 2 %

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4. First-aid measures**Description of first aid measures****General information**

Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

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

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

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

Dizziness. Nausea.

Indication of any immediate medical attention and special treatment needed

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

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water. Dry sand.

Unsuitable extinguishing media

High power water jet. High power water jet.

Specific hazards arising from the chemical

Flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes. In case of fire may be liberated: Hydrogen chloride (HCl). Burning produces heavy smoke.

Special protective equipment and precautions for fire-fighters

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

Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/vapour/aerosol.

Environmental precautions

Do not allow to enter into surface water or drains. 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). Treat the recovered material as prescribed in the section on waste disposal.

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Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours / aerosols must be extracted by suction immediately at point of origin. Take precautionary measures against static discharges.

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.

Advice on storage compatibility

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances. 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 impervious, resistant to liquids and easy to clean.

Store small packages in a suitable, robust cabinet.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
67-64-1	Acetone	1000	2400		TWA (8 h)	PEL
		250	590		TWA (8 h)	REL
141-78-6	Ethyl acetate	400	1400		TWA (8 h)	PEL
		400	1400		TWA (8 h)	REL
123-86-4	n-Butyl acetate	150	710		TWA (8 h)	REL
		200	950		STEL (15 min)	REL
123-86-4	n-Butyl-acetate	150	710		TWA (8 h)	PEL

Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

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Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Test suitability of gloves before use.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material : 0,5 mm

Breakthrough time (maximum wearing time) : ≥ 1 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Wear anti-static footwear and clothing

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following filter types for cleaning waste gases: A-P2

Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Paste liquid
Color:	See product description
Odor:	ester

Test method

pH-Value:	not applicable
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Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	56 °C DIN 53 171
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	< -20 °C DIN 51 755
Sustaining combustion:	No data available

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

Vapours can form explosive mixtures with air.

Lower explosion limits:	2,1 vol. %
Upper explosion limits:	14,3 vol. %

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Ignition temperature: 460 °C DIN 51 794

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapor pressure: 246 hPa DIN EN 12
(at 20 °C)Vapor pressure: 814 hPa
(at 50 °C)Density (at 20 °C): 0,85 g/cm³ DIN 51 757

Bulk density: not applicable

Water solubility: The study does not need to be conducted
because the substance is known to be
insoluble in water**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 40000 mPa·s DIN 53018
(at 20 °C)

Viscosity / kinematic: not determined

Flow time: > 300 (3 mm)

Vapor density: not determined

Evaporation rate: not determined

Solvent separation test: < 1%

Solvent content: 58,30 %

Other information

Solid content: 41,70 %

10. Stability and reactivity**Reactivity**

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

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**

Hazardous reactions: Will not occur

Gas/vapour, highly flammable. Vapours can form explosive mixtures with air.

Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Decomposition takes place from temperatures above: > 150 °C

Incompatible materials

Acid, concentrated. , Oxidizing agents, strong.

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Hazardous decomposition products

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

11. Toxicological information**Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

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

CAS No	Components					
	Exposure route	Dose		Species	Source	Method
67-64-1	acetone					
	oral	LD50 mg/kg	5800	Ratte	RTECS	
	dermal	LD50 mg/kg	20000	Kaninchen	IUCLID	
	inhalative (4 h) vapour	LC50	76 mg/l	Ratte		
141-78-6	ethyl acetate					
	oral	LD50 mg/kg	5600	Rat		
	dermal	LD50 mg/kg	18000	Rabbit		
	inhalative (4 h) vapour	LC50	58 mg/l	Rat		
123-86-4	n-butyl acetate					
	oral	LD50 mg/kg	8800	Rat.		
	dermal	LD50 mg/kg	5000	Rabbit		
	inhalative (4 h) vapour	LC50	21 mg/l	Rat.		

Irritation and corrosivity

Causes serious eye irritation

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Frequently or prolonged contact with skin may cause dermal irritation.

Sensitizing effects

Based on available data, the classification criteria are not met.

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

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

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

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (acetone; ethyl acetate)

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

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

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

Inhalation causes narcotic effects/intoxication.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

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Aspiration hazard

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

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

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

12. Ecological information**Ecotoxicity**

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

Persistence and degradability

Product is biodegradable with difficulty.

Bioaccumulative potential

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

Mobility in soil

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

Other adverse effects

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

Further information

The statement is derived from the properties of the components.
Avoid release to the environment.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging

Dispose according to legislation. Completely emptied packages can be recycled.

14. Transport information**US DOT 49 CFR 172.101**

<u>UN/ID number:</u>	UN 1133
<u>Proper shipping name:</u>	Adhesives
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	III
Hazard label:	3

Marine transport (IMDG)

<u>UN number:</u>	UN 1133
<u>UN proper shipping name:</u>	Adhesives (Aceton)
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	III
Hazard label:	3



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Marine pollutant: No
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-D

Other applicable information (marine transport)

Additional information on classification : 2..3.2.2 IMDG-Code

Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1133
UN proper shipping name: Adhesives
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3



Limited quantity Passenger: 10 L
 Passenger LQ: Y344
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 355
 IATA-max. quantity - Passenger: 60 L
 IATA-packing instructions - Cargo: 366
 IATA-max. quantity - Cargo: 220 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 304 CERCLA:

Acetone (67-64-1): Reportable quantity = 5,000 (2270) lbs. (kg)
 Ethyl acetate (141-78-6): Reportable quantity = 5,000 (2270) lbs. (kg)
 Butyl acetate (123-86-4): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Acetone (67-64-1): Fire hazard, Immediate (acute) health hazard
 Ethyl acetate (141-78-6): Fire hazard, Immediate (acute) health hazard
 Butyl acetate (123-86-4): Fire hazard, Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Additional information

Provide local exhaust ventilation in sufficient volume and pattern so as to maintain exposures below nuisance dust limits and permissible exposure limits which are listed in this section (above). Refer to industrial ventilation - a manual for recommended practice - American Conference of Governmental Industrial Hygienists. In restricted ventilation areas a NIOSH approved chemical cartridge respirator may be required. Under certain conditions such as spraying a mechanical prefilter may also be required. In confined areas use a NIOSH/MSHA approved organic vapor chemical cartridge respirator. If the TLV's listed in this section are exceeded, use a properly fitted NIOSH/MSHA approved respirator with an appropriate protection factor. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection" and Respiratory Protection A Manual and Guideline, American Industrial Hygiene Assoc.

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16. Other information**Hazardous Materials Information Label (HMIS)**

Health: 1
Flammability: 4
Physical Hazard: 1

NFPA Hazard Ratings

Health: 1
Flammability: 4
Reactivity: 0
Unique Hazard:

Revision date: 04.01.2018

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Other data

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.)