

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 1 of 7

**1. Identification****Product identifier**

470 Renia - Aquilim =SG=

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

Roller application or brushing of adhesive and other coating.

Adhesives, sealants, Dispersion

Reserved for industrial and professional use.

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

Company name:	Renia Gesellschaft mbH. Chemische Fabrik	
	D	
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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
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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**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

**Label elements****Additional advice on labelling**

Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

**Hazards not otherwise classified**

Irritating to eyes.

**3. Composition/information on ingredients****Mixtures**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 2 of 7

**Chemical characterization**

approx. 40-60 % aqueous Dispersion of various copolymerisates, resins, emulators and stabilizers

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

**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**

No information available.

**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 (CO<sub>2</sub>), 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**

In case of fire and/or explosion do not breathe fumes. In case of fire may be liberated: dangerous gases

**Special protective equipment and precautions for fire-fighters**

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

**Additional information**

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. The product is not flammable.

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

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**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.

**Reference to other sections**

Safe handling: see section 7



## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### 470 Renia - Aquilim =SG=

Revision date: 17.10.2017

Product code: 470.000

Page 3 of 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Use only outdoors or in a well-ventilated area.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Keep at temperatures between 5 and 40°C. not useable after freezing.

#### Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls/personal protection

### Control parameters

### Exposure controls

#### Appropriate engineering controls

No special measures are necessary.

#### 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.

#### 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) :  $\geq 1$  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.

#### 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:	liquid
Color:	white

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 4 of 7

Odor: mild amine-like

**Test method**

pH-Value (at 20 °C): 4 - 7

**Changes in the physical state**

Melting point/freezing point: &lt;-4 °C coagulation

Initial boiling point and boiling range: 100 °C DIN 53 171

Sublimation point: not determined

Softening point: not determined

Pour point: not determined

Flash point: &gt; 500 °C DIN 51 755

Sustaining combustion: Not sustaining combustion ASTM D 4206

**Flammability**

Solid: not applicable

Gas: not applicable

**Explosive properties**

negative, no explosion

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Ignition temperature: not applicable

**Auto-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapor pressure: (at 20 °C) 23 hPa DIN EN 12

Vapor pressure: (at 50 °C) 1 hPa DIN EN 12

Density (at 20 °C): 1.020 g/cm<sup>3</sup> DIN 51 757

Bulk density: not applicable

Water solubility: (at 20 °C) completely miscible

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: (at 20 °C) 1500 mPa·s DIN 53018

Viscosity / kinematic: not determined

Flow time: &gt; 300 (3 mm)

Vapor density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: water: 40,00 %

**Other information**

Solid content: 60,00 %

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 5 of 7

**10. Stability and reactivity****Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

Frost

**Incompatible materials**

Acid, concentrated, Alkali (lye), concentrated, Solvent

**Hazardous decomposition products**

No decomposition if used as directed.

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

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

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.

**Irritation and corrosivity**

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

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.

**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**

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

**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.

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.

**Aspiration hazard**

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

**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 not hazardous according to regulation (EC) No 1272/2008 [CLP].

**12. Ecological information****Ecotoxicity**

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

**Persistence and degradability**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 6 of 7

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

**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****Marine transport (IMDG)****UN proper shipping name:**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**Transport hazard class(es):**

Not dangerous goods

Marine pollutant:

No

**Air transport (ICAO-TI/IATA-DGR)****UN proper shipping name:**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**Transport hazard class(es):**

Not dangerous goods

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

No information available.

**15. Regulatory information****U.S. Regulations****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.

**16. Other information**

Revision date: 17.10.2017

Revision No: 1,08

**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)

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**470 Renia - Aquilim =SG=**

Revision date: 17.10.2017

Product code: 470.000

Page 7 of 7

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.

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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.)*