

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Silicone rubber M 4503 (415134-X, 415135-X)

Print date: 22.04.2013

Product code: 415134-GHS-2013

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### 1. Identification of the substance/mixture and of the company/undertaking

#### Identification of the substance or mixture

Silicone rubber M 4503 (415134-X, 415135-X)

#### Use of the substance/mixture

raw material for elastomer products

#### Company/undertaking identification

Company name: R&G Faserverbundwerkstoffe GmbH  
Composite Technology  
Street: Im Meißel 7 - 13  
Place: D-71111 Waldenbuch  
Post-office box: 1145  
D-71107 Waldenbuch  
Telephone: +49-7157-530460      Telefax: +49-7157-530470  
e-mail: info@r-g.de  
Internet: www.r-g.de  
Responsible Department: Management  
1.4. Emergency telephone number: poison information centre

### 2. Hazards identification

#### **Classification**

There is no obligatory labelling requirement according to the regulations covering preparations 1999/45/EC.

GHS: This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

### 3. Composition/information on ingredients

#### **Chemical characterization ( Mixture )**

Polysiloxan mit funktionellen Gruppen + Hilfsstoff

#### **Hazardous components**

EC No	CAS No	Chemical name	Quantity
		Classification	
238-878-4	14808-60-7	Quartz	<5%
		Xn - Harmful R48/20	

Full text of R and H phrases: see Section 16.

### 4. First aid measures

#### **General information**

In case of accident or if you feel unwell, seek medical advice immediately (show this label if possible).

#### **After inhalation**

Normally the product cannot be breathed in.

#### **After contact with skin**

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleanser and water. Consult a doctor when there are visible signs of change

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on the skin or other complaints (if possible present the label or safety data sheet).

### After contact with eyes

Immediately rinse with copious amounts of water. Consult a doctor when irritation persists.

### After ingestion

Let water be swallowed in little sips (dilution effect). Do not induce vomiting.

## 5. Fire-fighting measures

### Suitable extinguishing media

Water fog.  
Extinguishing powder.  
alcohol resistant foam.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

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

High power water jet.

### Special protective equipment for fire-fighters

Wear breathing apparatus with own air supply.

## 6. Accidental release measures

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

### Methods for cleaning up/taking up

To prevent stubborn deposits strew sand or bleaching earth on the surface, and remove the material with a mechanical means. Sweep or scrape up spilled material, collecting it in a special receptacle for chemical waste. Remove any residual loose lining with detergent/soap solution or another biodegradable cleaning agent. To improve grip, apply sand or other inert, grainy materials.

## 7. Handling and storage

### Handling

#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special measures are necessary.

### Storage

#### Requirements for storage rooms and vessels

keine bekannt

#### Advice on storage compatibility

entfällt

#### Further information on storage conditions

Keep in well sealed receptacles at a cool, dry location.  
Storage temperature: >0°C

## 8. Exposure controls/personal protection

### Exposure limit values

#### Additional advice on limit values

unknown

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### 8.2. Exposure controls

#### Protective and hygiene measures

When using do not eat, drink, smoke or sneeze. Wash hands before breaks and after work.

#### Hand protection

Wear protective gloves.

Qualified materials: Butyl rubber. Gloves are suitable for application times up to 60 min.

#### Eye protection

Wear goggles.

#### Environmental exposure controls

Do not let the product enter the groundwater, open water, or the sewerage system.

## 9. Physical and chemical properties

### General information

Physical state:	Paste
Colour:	white
Odour:	odourless

### Important health, safety and environmental information

	Test method
<b>Changes in the physical state</b>	
Thermische Zersetzung:	> 200 °C
Flash point:	> 250 °C DIN 51376
Density (at 20 °C):	1,16 g/cm <sup>3</sup> DIN 53217
Water solubility:	virtually insoluble
Viscosity / dynamic: (at 23 °C)	40.000 - 60.000 mPa·s BROOKFIELD

### 9.2. Other information

Ignition temperature:	> 450 °C DIN 51794
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## 10. Stability and reactivity

### 10.4. Conditions to avoid

unknown

### Materials to avoid

unknown

### 10.6. Hazardous decomposition products

no decomposition when stored and handled properly Measurements have shown that oxidative decomposition at temperatures greater than about 150 °C releases a small quantity of formaldehyde.

## 11. Toxicological information

### Acute toxicity

According to our knowledge no harm is expected when the product is handled properly.

### Additional information on tests

No damaging effects when the product is handled properly.

## 12. Ecological information

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### Ecotoxicity

Assessment based on physicochemical properties: No damaging effects can be expected on aquatic organisms. According to our knowledge to date no adverse effects can be expected in clarification plant.

### Mobility

insoluble in water

### 12.2. Persistence and degradability

not biodegradable separation through sedimentation

### 12.3. Bioaccumulative potential

bioaccumulation improbable

### 12.6. Other adverse effects

unknown

### Further information

No environmental problems can be expected when the product is handled and used properly.

## 13. Disposal considerations

### Advice on disposal

The product must be disposed of by an approved company in accordance with the local government regulations.

### Contaminated packaging

Noncleanable packaging must be disposed of like the substance. Cleaned containers may be recycled.

## 14. Transport information

### Land transport (ADR/RID)

ADR/RID class:

Not a hazardous material with respect to transportation regulations.

### Inland waterways transport (ADN)

Not a hazardous material with respect to transportation regulations.

### Marine transport (IMDG)

IMDG code:

Not a hazardous material with respect to transportation regulations.

### Air transport (ICAO)

ICAO/IATA-DGR:

Not a hazardous material with respect to transportation regulations.

### Other applicable information

Deutschland: postal dispatch without restriction

## 15. Regulatory information

### Labelling

#### Additional advice on labelling

not classified as dangerous under the hazardous substances laws (GefStoffV)/EC Directives

### GHS labelling

### National regulatory information

Water contaminating class (D):

1 - slightly water contaminating

### Additional information

not applicable

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### 16. Other information

#### Full text of R phrases referred to under Sections 2 and 3

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

#### Further Information

All information, recommendations, and advice on the part of R&G Faserverbundwerkstoffe GmbH are published to the best of our knowledge and belief. They are noncommittal and contain neither explicit nor tacit assurance or warranty of particular properties. The values specified for properties are typical figures. Recommendations or advice serve to describe our products and possible applications in a general or exemplary, but not specifically individual manner. In the course of the constant technical advancement and improvement of our products there may be changes to the characteristic values, copy, and diagrams; no specific reference is made to any such change. Owing to our products' wide and highly diverse range of potential applications far beyond any of our attempts to analyse, the customer alone is responsible for examining our products' suitability for the respective processes and purposes and their respective processibility. All and any protective rights and the applicable laws, terms, and conditions must be observed by the buyer or user of our products at their own responsibility. Publication is not a licence and does not intend the violation of any patents.

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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.)*