

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Silicone rubber M 4641 A

Print date: 22.12.2014

Product code: A415130

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Silicone rubber M 4641 A

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

raw material for elastomer products

#### 1.3. Details of the supplier of the safety data sheet

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 (0)7157 5304-60	Telefax: +49 (0)7157 5304-70
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	

**1.4. Emergency telephone number:** Vergiftungs-Informations-Zentrale Freiburg  
Tel: +49 (0)761 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

#### 2.2. Label elements

##### Additional advice on labelling

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

polydimethyl siloxane with functional groups + auxiliaries for addition curing

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet 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 cleansing agent and water. Consult a doctor when there are visible signs of

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change 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 drunken in little sips (dilution effect). Do NOT induce vomiting.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

#### Unsuitable extinguishing media

High power water jet.

### 5.3. Advice for firefighters

Wear breathing apparatus with own air supply.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures are necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Further information on storage conditions

Keep in well sealed receptacles at a cool, dry location.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

unknown

### 8.2. Exposure controls

#### Protective and hygiene measures

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

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**Eye/face protection**

Wear goggles.

**Hand protection**

Wear protective gloves.

Suitable material: Butyl rubber. Gloves are suitable for application times up to 60 min.

**Environmental exposure controls**

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

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Paste
Colour:	colourless
Odour:	odourless

**Test method****Changes in the physical state**

Point of decomposition::	> 200 °C
Flash point:	307 °C DIN 51376
Ignition temperature:	440 °C DIN 51794
Density (at 25 °C):	1,08 g/cm <sup>3</sup> DIN 51757
Water solubility:	insoluble
Viscosity / dynamic: (at 23 °C)	40.000 - 70.000 mPa·s BROOKFIELD

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Stabile under the specified storage conditions.

**10.6. Hazardous decomposition products**

Measurements have shown that oxidative decomposition at temperatures greater than about 150 °C releases a small quantity of formaldehyde.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

**SECTION 12: Ecological information****12.1. Toxicity**

Assessment based on physicochemical properties: No environmental problems can be expected when the product is handled and used properly. According to our knowledge to date no adverse effects can be expected in clarification plant.

**12.2. Persistence and degradability**

not biodegradable separation through sedimentation

**12.3. Bioaccumulative potential**

bioaccumulation improbable

**12.4. Mobility in soil**

insoluble in water

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### 12.6. Other adverse effects

unknown

### Further information

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 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.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

### Inland waterways transport (ADN)

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

### Marine transport (IMDG)

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

### Air transport (ICAO)

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

### Other applicable information

Deutschland: postal dispatch without restriction

## SECTION 15: Regulatory information

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

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

#### Additional information

not applicable

## SECTION 16: Other information

### 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.)*