

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Silicone rubber ELASTOSIL M 4601 B (415133-X)

Print date : 15.05.2009

Product code : 415133-B

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Silicone rubber ELASTOSIL M 4601 B (415133-X)

Use of the substance/preparation

pourable addition-curing high-extensibility double-constituent silicone rubber

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
 e-mail : info@r-g.de
 Internet : www.r-g.de
 Inquiry office : Management
 Emergency telephone : poison information centre
 Telefax : +49-7157-530470

2. Hazards identification

Classification

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

3. Composition/information on ingredients

Chemical characterization (Mixture)

polydimethyl siloxane with functional groups, auxiliaries for addition curing

Hazardous components

EC-No.	CAS-No.	Chemical name GHS classification	Quantity	Classification
220-099-6	2627-95-4	1,1,3,3-Tetramethyl-1,3-divinylsiloxan	< 5%	R10-52-53

Full text of each relevant R phrase can be found in heading 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

Provide fresh air.

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 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.

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5. Fire-fighting measures

Suitable extinguishing mediaWater spray. Extinguishing powder. alcohol resistant foam. Carbon dioxide (CO₂). Sand.**Extinguishing media which must not be used for safety reasons**

Water fog. High power water jet.

Special protective equipment for fire-fighters

Wear breathing apparatus with own air supply.

6. Accidental release measures

Personal precautions

Keep unprotected persons at a safe distance. Wear personal protection equipment. Special skid risk by leaking/spilling product.

Environmental precautions

Do not empty into drains or the aquatic environment. Seal off leakage at the source if this is possible without risk.

Methods for cleaning up/taking up

Methods of cleaning - small amounts of spilled material: Suitable material for absorbing: Kieselguhr.
Methods of cleaning - large amounts of spilled material: Liquids can be removed with pneumatic or properly configured suction equipment or pumps. Use vented container receptacles. 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**

Stir well before use.

Storage**Further information on storage conditions**

Keep in well sealed receptacles at a cool, dry location. Ventilate adequately storage and work rooms.

8. Exposure controls/personal protection

Exposure limit values**Additional advice on control parameters**

unknown

Exposure controls**Protective and hygiene measures**

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

Hand protection

Hand protection: not required.

Eye protection

Wear goggles.

Environmental exposure controls

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

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9. Physical and chemical properties

General information

Physical state : liquid
 Colour : reddish brown
 Odour : odourless

Important health, safety and environmental information

Changes in the physical state

		Test method
Point of decomposition :	> 200 °C	
Flash point :	> 300 °C	ISO 2592
Density (at 20 °C) :	bei 1013 hPa 1,01 g/cm ³	DIN 51757
Water solubility : (at 20 °C)	virtually insoluble	
Viscosity / dynamic : (at 20 °C)	800 mPa·s	BROOKFIELD

Other information

Ignition temperature : > 450 °C DIN 51794

10. Stability and reactivity

Conditions to avoid

Stabile under the specified storage conditions.

Hazardous decomposition products

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

Ecotoxicity

Assessment based on physicochemical properties: No damaging effects can be expected on aquatic organisms.

Mobility

insoluble in water

Persistence and degradability

not biodegradable separation through sedimentation

Bioaccumulative potential

bioaccumulation improbable

Other adverse effects

unknown

Further information

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

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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

ADNR class : Not a hazardous material with respect to transportation regulations.

Marine transport

IMDG code : Not a hazardous material with respect to transportation regulations.

Air transport

ICAO/IATA-DGR : Not a hazardous material with respect to transportation regulations.

Further 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

National regulatory information

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

Additional information

not applicable

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- | | |
|----|-----------------------------------------------------------------|
| 10 | Flammable. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |

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.)