

Safety Data Sheet

according to UK REACH Regulation

Silicone M 4470 (heat resistant)

Revision date: 03.04.2023

Product code: 415120A

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Silicone M 4470 (heat resistant)

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Moulding compound

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****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements**Additional advice on labelling**

No GHS labelling required.

2.3. Other hazards

No information available. Endocrine disrupting properties - human health: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or higher. Endocrine disrupting properties - environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Polysiloxane with functional groups

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
14808-60-7	Quartz			<50 %
	238-878-4			
	STOT RE 2; H373			

Full text of H and EUH statements: see section 16.

Further Information

Quartz: This ingredient does not result in classification, because of the physical nature of the material is not given an inhalation risk. The product does not require labelling, as the crystalline silica is firmly integrated into the matrix. This product does not contain any substances of very high concern (REACH Regulation (EC) No 1907/2006, Article 57) above = 0.1%.

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

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possible).

After inhalation

Normally the product cannot be breathed in.

After contact with skin

Remove excess material with cloth or paper mechanically. After contact with skin, wash immediately with plenty of water and soap. 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 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 (CO₂). Sand.**Unsuitable extinguishing media**

jet of water

5.2. Special hazards arising from the substance or mixture

In case of fire, formation of hazardous combustion gases or vapours possible. Exposure to combustion products can be a health hazard! Hazardous fire products: toxic and very toxic fumes .

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**

Secure the area. Wear personal protective equipment (see section 8). Keep unprotected persons away. If material has been released, draw attention to slip hazard. Do not walk through spilled material.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter waters, sewage and soil. Close leak if this can be done without risk. Contain spilled liquid with suitable material (e.g. earth). Contain contaminated water/extinguishing water. Dispose of in properly labelled containers. In case of spillage into water, sewage system or underground, notify competent authority.

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****7.2. Conditions for safe storage, including any incompatibilities****Further information on storage conditions**

Keep receptacles tightly sealed. Store in a dry and cool place. Minimal temperature at storage and transportation: 0° degrees Celsius

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Do not eat or drink during work. Observe the general hygiene measures when handling chemical substances.

Eye/face protection

No further relevant information available.

Hand protection

Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes The choice of a suitable glove is not only on the material depending but also on further quality characteristics depending and of manufacturer different to manufacturer. Please notice information from the glove supplier with respect to the permeability and by break time.

Environmental exposure controls

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid

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contamination via drains from farmyards and roads).

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

Physical state:	Paste
Colour:	red
Odour:	odourless

Test method**Changes in the physical state**

Flash point:	> 250 °C	DIN 51376
Auto-ignition temperature:	> 450 °C	
Density (at 20 °C):	1,44 g/cm ³	DIN 53479
Water solubility:	virtually insoluble	
Viscosity / dynamic: (at 23 °C)	15000 mPa·s	

9.2. Other information

Thermal decomposition > 200° degrees Celsius

SECTION 10: Stability and reactivity**10.1. Reactivity**

Known case of appropriate storage and handling of dangerous reactions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Additional information on tests**

oral LD50: >2000 mg/kg Rat Analogical reasoning

LD50: >2000 mg/kg Rat Analogical reasoning

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

Judgement in Analogie zu a similar product. There is not for a detrimental effect on water organisms a good chance. After present experience to not expect any lasting influences into sewage plants.

12.2. Persistence and degradability

not biodegradable

12.3. Bioaccumulative potential

bioaccumulation improbable

12.4. Mobility in soil

insoluble in water

SECTION 13: Disposal considerations**13.1. Waste treatment methods****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-TI/IATA-DGR)****14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

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Observe the local government provisions.

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H373 May cause damage to organs through prolonged or repeated exposure.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)