

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Carbon fibre milled 0,2 mm

Print date: 23.06.2017

Product code: 210135

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

#### 1.1. Product identifier

Carbon fibre milled 0,2 mm

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

#### 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-Informationen-Zentrale Freiburg  
Tel: +49 (0)761 19240

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:  
Respiratory or skin sensitisation: Skin Sens. 1  
Hazard Statements:  
May cause an allergic skin reaction.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

epoxy resin (number average molecular weight  $\leq$  700), reaction product: bisphenol-A-(epichlorhydrin)

Signal word: Warning

##### Pictograms:



##### Hazard statements

H317 May cause an allergic skin reaction.

##### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.

##### 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

organic/inorganic pigment paste for colouring epoxy resins

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7440-44-0	Carbon			> 95%
	231-153-3			
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)			0,1 - 1%
	500-033-5	603-074-00-8		
	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H315 H317 H411			

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Change contaminated clothing.

**After inhalation**

Remove to fresh air Consult a doctor when complaints persist.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. If skin becomes irritated, seek medical treatment.

**After ingestion**

Rinse mouth thoroughly with water. Seek medical advice immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water spray. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>).**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Passenger-LQ

Carbon monoxide hydrocarbons.

**5.3. Advice for firefighters**

Wear breathing apparatus without recirculating air and suitable protective clothing.

**Additional information**

Fire residue and contaminated firefighting water must be disposed of in accordance with government regulations.

**SECTION 6: Accidental release measures****6.3. Methods and material for containment and cleaning up**

Absorb with sand, earth, or another absorbent substance. Collect in suitable receptacles. Wash off contaminated area with water.

**SECTION 7: Handling and storage**

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**7.1. Precautions for safe handling****Advice on safe handling**

adherence to the general industrial rules and regulations and hygiene provisions for the prevention of risks

**Advice on protection against fire and explosion**

Keep away from ignition sources and naked flames. Dust explosive.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in a dry place free of frost. Do not subject to excessive heat.

Storage temperature: &lt; 50°C

Relative room humidity: &lt; 85%

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7440-44-0	Graphite, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

**Additional advice on limit values**

unknown

**8.2. Exposure controls****Protective and hygiene measures**

Wear protective clothing.

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

Physical state: solid  
 Colour: black  
 Odour: odourless

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

Melting point: 3.500 °C  
 Flash point: > 100 °C  
 Density (at 20 °C): 1,7 - 2,0 g/cm<sup>3</sup>  
 Water solubility: insoluble

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

reaction with strong oxidising agents Danger of dust explosion.

**10.5. Incompatible materials**

unknown

**10.6. Hazardous decomposition products**

Passenger-LQ

**SECTION 11: Toxicological information**

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### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)			
	oral	LD50 11400 mg/kg	Rat	GESTIS
	dermal	LD50 > 22800 mg/kg	Rabbit	GESTIS

#### Irritation and corrosivity

Fiber abrasion can cause mechanical skin irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

unknown

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)				
	Acute fish toxicity	LC50 4,4 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	EPA-660/3-75-009
	Acute algae toxicity	ErC50 9,4 mg/l	72 h	Scenedesmus capricornutum	EPA-660/3-75-009
	Acute crustacea toxicity	EC50 2,8 mg/l	48 h	Daphnia magna	OECD 202
	Acute bacteria toxicity	(> 100 mg/l)	3 h	Activated sludge	

### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)			
	OECD 301F	5%	28	Manufacturer
	Not readily biodegradable (according to OECD criteria)			
	OECD 301B	6-12%	28	Manufacturer
	Not readily biodegradable (according to OECD criteria)			

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	3,24

#### BCF

CAS No	Chemical name	BCF	Species	Source
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	31		Quantitative structure-activity relationship (QSAR)

#### Further information

Do not empty into drains.

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Remove according to the regulations.

**Waste disposal number of waste from residues/unused products**

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

**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**

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****Relevant H and EUH statements (number and full text)**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

**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.)*