



Safety Data Sheet

according to UK REACH Regulation

Carbon fibre, milled

Revision date: 27.06.2023

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

Substance name: Carbon
CAS No: 7440-44-0
EC No: 231-153-3

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

Use of the substance/mixture

Filler

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
Contact person: Michael Groß
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

2.2. Label elements

GB CLP Regulation

Special labelling of certain mixtures

EUH208 Contains Spuren von Bisphenol-A- (Epichlorhydrin); Epoxidharz. May produce an allergic reaction.

Additional advice on labelling

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

2.3. Other hazards

Hazard warnings for humans:

Electrically conductive - possible release of fine particles. Fine released fibre particles can irritate skin, eyes, and mucous membranes - diseases so far unknown to us.

Hazard warnings for the environment:

Product is considered environmentally friendly, but possible electrical short-circuit due to release.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
7440-44-0	Carbon			95 - < 100 %
	231-153-3			

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

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Remove affected person to open air - consult doctor.

After contact with skin

Clean affected skin areas with tap water and soap.

After contact with eyes

Remove lenses if necessary - Rinse eyes with water for at least 15 minutes - Consult a doctor.

After ingestion

Consult physician.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Common extinguishing products appropriate for adjacent fires are allowed.

Unsuitable extinguishing media

Avoid full jet.

5.2. Special hazards arising from the substance or mixture

Non flammable.

Danger of formation of toxic pyrolysis products.

5.3. Advice for firefighters

Wear breathing apparatus with own air supply.

SECTION 6: Accidental release measures**6.2. Environmental precautions**

Prevent spread.

6.3. Methods and material for containment and cleaning up**For cleaning up**

Suitable suction method due to risk of fibre dispersion. Protective clothing and dust mask recommended.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid dispersion of volatile fibres - Work in well-ventilated rooms (ventilation systems with filters to prevent exposure to free air). (ventilation systems with filters to prevent exposure of the released fibres to the open air), where electrical equipment is not located or is located in sealed or protected pressurised boxes - insulating



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varnishes can be applied to electronic and connection terminals.

Further information on handling

Avoid release of volatile particles due to friction.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Recommended packaging material: Only non-abrasive fabric, avoid rubbing the bags against each other.

Further information on storage conditions

Storage conditions do not affect the hazard, but it is recommended to store the product in a dry, clean dust-free place in the original packaging.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

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

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves. Suitable gloves (type: surgical or cotton).

Skin protection

A skin protection cream can be useful Wash hands and face before eating, drinking or smoking.

Respiratory protection

Suitable dust mask (filter device FFP2 or FFP3).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	black
Odour:	odourless
Melting point/freezing point:	> 2760 °C °C
Solubility in other solvents	
Insoluble fibres - Ensimgestuff soluble in solvents with chlorine, acetone, DMF.	

9.2. Other information

Other safety characteristics

Density (monofilament): 1.6 to 2.0 g/cm³

Apparent density (short fibres): 0.1 to 0.5 kg/dm³ depending on cutting, chopping or grinding; depending on length and Ensimage.

SECTION 10: Stability and reactivity

10.3. Possibility of hazardous reactions

reaction with strong oxidising agents
Danger of dust explosion.

SECTION 11: Toxicological information



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11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains Spuren von Bisphenol-A- (Epichlorhydrin); Epoxidharz. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Further information

Carbon fibres and dust may cause mechanical irritation to eyes, skin, nose and throat.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Further information

Effects not known - stable environmentally friendly agent.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Bury in appropriate locations according to country and local regulations - do not incinerate - incineration may cause dispersion of carbon fibre particles and thus damage electrical equipment.

SECTION 14: Transport information

Land transport (ADR/RID)**14.2. UN proper shipping name:**

The product is not a dangerous good in national and international road, rail, sea and air transport.

Inland waterways transport (ADN)**14.2. UN proper shipping name:**

The product is not a dangerous good in national and international road, rail, sea and air transport.

Marine transport (IMDG)**14.2. UN proper shipping name:**

The product is not a dangerous good in national and international road, rail, sea and air transport.

Air transport (ICAO-TI/IATA-DGR)



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14.2. UN proper shipping name:

The product is not a dangerous good in national and international road, rail, sea and air transport.

Other applicable information

The product is not a dangerous good in national and international road, rail, sea and air transport.

SECTION 15: Regulatory information

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

National regulatory information**Additional information**

These products are not submitted to Regulations (EC) No. 1272/2008 (CLP), 67/548/EEC, nor No. 1999/45/EC. This safety data sheet has been prepared in accordance with REACH Regulation (EC) No 1907/2006 and No. 453/2010.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

EUH208 Contains Spuren von Bisphenol-A- (Epichlorhydrin); Epoxidharz. May produce an allergic reaction.

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