



PRODUCT & COMPANY IDENTIFICATION

Company	Rieder Faserbeton-Elemente GmbH
Product name	fibreC (concrete skin, öko skin, formparts)
Date of issue	1 st November 2018
Product description	fibreC (concrete skin, öko skin, formparts)
Supplier / Manufacturer	Rieder Faserbeton-Elemente GmbH
Supplier address	Bergstrasse 3a, 83059 Kolbermoor Telephone: 0049 (0) 8031 / 90 16 70 – 0 Telefax: 0049 (0) 8031 / 90 16 7 – 29
Emergency	
Poison emergency contact	

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical entity	Mix of cement, sand, water and usual additives, as well as mineral glass fibre. Fibre diam. ca. 13µm. The mixed ingredients are dealt in solid state as glass fibre reinforced concrete.
EINECS-Nr.	
CAS-Nr.	
EG-Nr.	
UN-Nr.	
Hazardous ingredients (with indication of concentration)	none
Further information	No lung injury is registered, since glass fibres with a diameter of $\geq 13\mu\text{m}$, are classified as not hazardous. Crystalline silica free (Detection limit $< 1\%$ by mass).

POTENTIAL HAZARDS

Allergic reactions are possible because of the alkaline cement.	
Further information	The product has no odor, it does not irritate skin when touching it, it does not emit vapours nor does it release fibres appreciably; due to its solid and cementitious quality, it is not possible to ingest it or to inhale it.

FIRST AID MEASURES

Effects resulting from skin contact	n. a.
Effects resulting from eye contact	n. a.
Effects resulting from ingestion	n. a.
Effects resulting from inhalation	n. a.
Indications for the doctor	–
Further information	–

FIRE FIGHTING MEASURES

Suitable extinguishing media	n. a.
Not suitable extinguishing media	n. a.
Hazardous combustion products	n. a.
Personal protection by fire fighting	n. a.
Further information	–

MEASURES BY UNCONTROLLED SHEDDING

Personal measures	n. a.
Measures after leak or shedding	n. a.
Ecological measures	n. a.
Further information	–

HANDLING & STORAGE

Indications for a safe handling

By working the solid glass fibre reinforced concrete pay attention to following:

- Avoid dust generation. E. g. use vacuum systems
- When sawing, drilling and grinding etc. follow the instructions for conventional concrete. In Germany e. g. Block A30, B207, B274, C365, D500, D502, E605, E607, E609 of the BG Construction Safety Bulletin „Concrete Drilling and Sawing“, Edition 07/2017
- Cutting stationary – wet cut (cf. fibreC Technical Manual 2018, p. 64): Tailor-cut using a water jet
- Cutting of the panels – dry cutting (cf. fibreC Technical Manual 2018, p. 64): Use dust aspirator (according BG, VBG 119 §4, Working of mineral building materials with cut grinder), hand-held circular saw, guide rail and splinter protection, jig saw with diamond, jigsaw blade, stone cut grinder
- Arrange for good ventilation
- Keep working place clean

Indications about fire and explosion safety	The product is not flammable
Storage conditions	cf. fibreC Technical Manual 2018, p. 74 – 75
Indications about storage with other materials	n. a.
Storage class	n. a.
Further information	–

EXPOSURE CONTROL & PERSONAL PROTECTION

Safety glasses with side shields and gloves and a dust mask should be worn when engaged in activities with cement dust.

PHYSICAL & CHEMICAL PROPERTIES

(Indication of the measure methods with values and unit according Direction 67 / 548 / EG)

Appearance			
• Physical state	–		
Safety relevant details			
• Boiling point	n. a.	• Vapour pressure	n. a.
• Melting point	n. a.	• Specific gravity	n. a.
• Change of state	n. a.	• Solubility	n. a.
• Flame point	n. a.	• Solubility in water	n. a.
• Flammability	n. a.	• Solubility in fat	n. a.
• Flash point	n. a.	• Coefficient of distribution	n. a.
• Auto ignition temperature	n. a.	• pH – (at 1.000 g / l H ₂ O)	n. a.
• Burning properties	n. a.	• Contents in solvents	n. a.
• Explosion hazard	n. a.	• Solvents separation check	n. a.
• Explosive limits	n. a.	• Viscosity	n. a.
• Lower	n. a.	• Further properties	–
• Upper	n. a.		

STABILITY & REACTIVITY

Thermal decomposition	n. a.
Hazardous reactions	n. a.
Hazardousdecomposition results	n. a.
Further information	–

TOXICOLOGICAL INFORMATION

Acute Toxicity (LD 50 / LC 50-values)	n. a.
Sensibilization	n. a.
Skin irritation	n. a.
Effects of chronic exposure	n. a.
Carcinogenic and mutagenic effects well as toxic for the reproduction	n. a.
Experiences	n. a.
Further information	–

ECOLOGICAL INFORMATION

Ecological classification according Hazard label „N“	n. a.
Disposal considerations	n. a.
Ecological toxic effects (ex. Behaviour in landfill)	n. a.
Further ecological information	
• Value CSB	–
• Value BSB	–
• Value AOX	–
Further information	–

DISPOSAL INFORMATION

Waste key-no.	170101
Waste description	concrete waste
Duty of proof	none
Recommendations for package disposal	–
Further information	–

TRANSPORT INFORMATION

Transport by land ADR / RID und GGVS / GGVE	n. a.		
• Class	n. a.	• UN – No.	n. a.
• Number	n. a.	• Description of ware	GFB
Transport by sea IMDG / GGVSEE	n. a.		
• Class	n. a.	• MFGA	n. a.
• UN – No.	n. a.	• Marine pollutant	n. a.
• Package group	n. a.	• Proper shipping name	n. a.
• EMS – No.	n. a.		
Transport by air ICAO – TI und IATA – DGR	n. a.		
• Class	n. a.	• Package group	n. a.
• UN / ID – No.	n. a.	• Proper technical name	GFB
Further information	–		

REGULATORY INFORMATION

Identification according. EG – Directions 91 / 155 EWG as well as GefStoffV	n. a.
Phrases R	n. a.
Phrases S	n. a.
Particular identification marks	n. a. particular preparation
National regulations	UVV
• Information about working limitations	–
• Accident–regulation	n. a.
• Classification acc. liquid flammables	n. a.
• Technical indications air	n. a.
• Water polluting class	n. a. (event. own classification)
• Limits and regulations	–
Further rules	–

FURTHER REGULATIONS

Duty of training	n. a.
Information sources	–