SAFETY DATA SHEET

FEBENG Brick Board

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878. Provided voluntarily for an article.

SECTION 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	FEBENG Brick Board
Product code	BB-13 (all formats and channel gauges)
Product type	Article — glass-fibre reinforced, cement-bound channelled carrier board
UFI / registration number	Not applicable (article)

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

Identified uses: carrier board for brick slips in mechanically fixed, ventilated façade and interior wall systems (construction product). Uses advised against: none known when used in accordance with the technical data sheet.

1.3 Details of the supplier of the safety data sheet

Carbonfib BV	Veilmeesterweg 22, 1187 ZW Amstelveen, The Netherlands
www.febeng.com	info@febeng.com
Sales & distribution partner (EU)	Kredas, Breda Business Park, Verlengde Poolseweg 16, 4818 CL Breda, The Netherlands · +31 6 42 78 76 05 · kredas@kredastrade.com

1.4 Emergency telephone number

National Poisons Information Centre (NVIC), Utrecht, The Netherlands: +31 (0)30 274 88 88 (24 h, for medical professionals). Product information: info@febeng.com (office hours).

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture

The product is an article within the meaning of Article 3(3) of Regulation (EC) No 1907/2006. In the form supplied it is a solid, inert, bound composite and is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP). No safety data sheet is legally required; this document is provided voluntarily to support safe handling and processing.

2.2 Label elements

Not applicable — no hazard pictogram, signal word or hazard statement is required for the article as supplied.

2.3 Other hazards

Mechanical processing (cutting, grinding, drilling, sanding) releases dust that may contain respirable crystalline silica (quartz) and cement particles. Dust may irritate the eyes, skin and respiratory tract; prolonged or repeated inhalation of respirable crystalline silica can cause silicosis and is associated with lung cancer. Cement dust in contact with moisture is alkaline and may cause irritation. The product does not meet the criteria for PBT or vPvB; it contains no endocrine-disrupting substances at ≥ 0.1 %.

SECTION 3

Composition / information on ingredients

3.2 Mixtures

The article is a hardened composite of the following bound components (indicative composition by mass):

COMPONENT	CAS NO	EC NO	CONTENT	CLP CLASSIFICATION OF THE RAW MATERIAL *
Portland cement (clinker, bound)	65997-15-1	266-043-4	40 – 50 %	Skin Irrit. 2 (H315); Eye Dam. 1 (H318); Skin Sens. 1B (H317); STOT SE 3 (H335)
Quartz (crystalline silica) sand and mineral fillers, bound	14808-60-7	238-878-4	40 – 50 %	STOT RE 1 (H372) — respirable fraction only
Alkali-resistant glass fibre	65997-17-3	266-046-0	≤ 5 %	Not classified
Polymer additives and plasticisers (bound)	—	—	< 3 %	Not classified
Inorganic pigments (iron oxide; titanium dioxide)	1309-37-1; 13463-67-7	215-168-2; 236-675-5	< 3 %	Not classified in the bound article

* Classification refers to the loose raw material before binding; in the hardened article the components are chemically bound and not released under normal use. Crystalline silica is bound in the matrix and is not respirable as supplied.

SECTION 4

First-aid measures

4.1 Description of first-aid measures

General	No special measures are required for the article as supplied. The following applies to dust from processing.
Inhalation	Move the person to fresh air. Have them clear the nose and rinse the mouth with water. Seek medical attention if coughing or irritation persists.
Skin contact	Brush off loose dust and wash thoroughly with soap and water. For minor cuts or abrasions from edges, rinse, disinfect and cover. Seek medical attention if irritation persists.
Eye contact	Do not rub. Rinse cautiously with plenty of water for several minutes, including under the eyelids. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.
Ingestion	Rinse the mouth with water. Do not induce vomiting. Seek medical attention if a large quantity has been swallowed or if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Dust: irritation of the eyes, skin and upper respiratory tract; coughing. Delayed: prolonged, repeated inhalation of respirable crystalline silica may cause silicosis.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No specific antidote.

SECTION 5

Fire-fighting measures

5.1 Extinguishing media

Suitable: water, foam, dry powder, carbon dioxide — select according to the surrounding fire. Unsuitable: none known.

5.2 Special hazards arising from the substance or mixture

The product is non-combustible (reaction to fire class A1, EN 13501-1). It does not support combustion and does not release hazardous decomposition products in fire.

5.3 Advice for firefighters

No special measures are required for the product. Use protective equipment appropriate to the surrounding fire.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Solid articles do not present a spill or release hazard. Avoid generating airborne dust from broken articles. Wear gloves; when dust is present wear eye protection and respiratory protection (see Section 8).

6.2 Environmental precautions

Do not allow dust or fragments to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Collect broken pieces mechanically. Take up dust with a vacuum cleaner fitted with a HEPA filter or by wet sweeping; avoid dry sweeping. Place in containers for disposal in accordance with Section 13.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7

Handling and storage

7.1 Precautions for safe handling

Panels are heavy and awkward to lift. Use correct manual-handling techniques and mechanical aids; carry large panels with two people and on edge. Wear gloves to protect against rough edges and glass fibres. When cutting, drilling or grinding, use tools with dust extraction or wet-cutting methods, work in well-ventilated areas and wear the personal protective equipment listed in Section 8. Wash hands after handling and before eating or drinking.

7.2 Conditions for safe storage, including any incompatibilities

Store indoors in a dry, cool, ventilated place, protected from weather and moisture. Stack according to the technical data sheet with separating sheets between panels; secure against tipping. Incompatible with strong acids.

7.3 Specific end use(s)

Cladding carrier board. Cut with diamond tooling under dust extraction or wet; fix mechanically with rivets or screws. Follow the installation guidance in the technical data sheet.

SECTION 8

Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits relevant to dust generated during processing (8-h TWA):

SUBSTANCE	CAS NO	EU (BOELV)	NETHERLANDS	GERMANY (AGW)
Respirable crystalline silica (quartz)	14808-60-7	0.1 mg/m³ (respirable)	0.075 mg/m³ (respirable)	No AGW; assessment criterion 0.05 mg/m³ (A)
Portland cement dust	65997-15-1	—	5 mg/m³ (respirable) **	5 mg/m³ (E) **
General dust, not otherwise classified	—	—	10 mg/m³ inhalable · 5 mg/m³ respirable	10 mg/m³ (E) · 1.25 mg/m³ (A)
Continuous-filament glass fibre	65997-17-3	—	general dust limits apply	general dust limits apply

** General dust limits applied to cement dust. E = inhalable fraction, A = respirable fraction. Check current national limits before use; values are given for information only. DNEL / PNEC: not derived for the article.

8.2 Exposure controls

Engineering controls: normal handling and installation of the article as supplied does not create exposure above the limit values. During cutting, drilling or grinding use local exhaust ventilation, on-tool dust extraction (H-class / HEPA) or wet methods to keep dust below the limits.

Respiratory protection	Where dust cannot be controlled below the limit values: particle-filtering half mask FFP2 (EN 149) as a minimum; FFP3 for prolonged cutting or grinding.
Eye / face protection	Safety glasses with side shields or goggles (EN 166) during processing.
Hand protection	Protective gloves against mechanical risks (EN 388) for handling; nitrile gloves when working with wet cement dust.
Skin and body protection	Work clothing covering arms and legs. Remove and clean dusty clothing before re-use.
Environmental exposure controls	Prevent dust from entering drains and watercourses.

SECTION 9

Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid — rigid panel
Colour	White or grey
Odour / odour threshold	Odourless / not applicable
Melting point / freezing point	Not applicable (decomposes above approx. 1,200 °C)
Boiling point	Not applicable
Flammability	Non-combustible, class A1 (EN 13501-1)
Lower / upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined
pH	Approx. 11 – 12 (wet cement dust); not applicable to the solid
Kinematic viscosity	Not applicable (solid)
Solubility	Practically insoluble in water
Partition coefficient n-octanol/water	Not applicable (inorganic)
Vapour pressure / vapour density	Not applicable
Density	1,800 – 2,200 kg/m³
Relative density	≈ 1.9
Particle characteristics	Not applicable (article); processing dust may contain respirable fraction < 10 µm

9.2 Other information

No further relevant data.

SECTION 10

Stability and reactivity

10.1 Reactivity	No hazardous reactions under normal conditions of use.
10.2 Chemical stability	Stable under normal conditions of storage and use.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	None under normal use. Protect boards from heavy impact on edges and corners during handling and storage — see technical data sheet.
10.5 Incompatible materials	Strong acids (react with the cement matrix); hydrofluoric acid.
10.6 Hazardous decomposition products	None under normal conditions.

SECTION 11

Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data are available for the article. The following relates to dust generated by processing and to the bound raw materials.

Acute toxicity	Not classified. Portland cement: LD50 oral (rat) > 2,000 mg/kg.
Skin corrosion / irritation	Dust may cause dryness and irritation; wet cement dust is alkaline and irritating.
Serious eye damage / irritation	Dust may cause mechanical irritation; wet cement dust may cause serious eye irritation.
Respiratory or skin sensitisation	Portland cement may contain traces of soluble chromium (VI), which can cause allergic skin reactions. Not classified for the article.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Respirable crystalline silica dust from prolonged processing is classified as carcinogenic to humans (IARC Group 1). Not relevant for the article as supplied.
Reproductive toxicity	Not classified.
STOT — single exposure	Dust may cause respiratory-tract irritation.
STOT — repeated exposure	Prolonged, repeated inhalation of respirable crystalline silica may cause silicosis.
Aspiration hazard	Not applicable.

11.2 Information on other hazards

No endocrine-disrupting properties known.

SECTION 12

Ecological information

12.1 Toxicity	No data available; the article is inert and not expected to be harmful to aquatic organisms.
12.2 Persistence and degradability	Inorganic material; not biodegradable, not applicable.
12.3 Bioaccumulative potential	Not expected to bioaccumulate.
12.4 Mobility in soil	Not mobile; insoluble solid.
12.5 Results of PBT and vPvB assessment	Not PBT / not vPvB.
12.6 Endocrine-disrupting properties	None known.
12.7 Other adverse effects	None known. Cement dust may raise the pH of small volumes of water.

SECTION 13

Disposal considerations

13.1 Waste treatment methods

Dispose of off-cuts, broken panels and dust as inert construction and demolition waste in accordance with national and local regulations. Recommended European Waste Catalogue code: 17 01 01 (concrete) or 17 09 04 (mixed construction waste); dust from processing: 17 01 07. Do not discharge into drains or watercourses. Packaging (wood, film, strapping) should be recycled.

SECTION 14

Transport information

The product is not classified as dangerous goods for transport by road (ADR), rail (RID), inland waterway (ADN), sea (IMDG) or air (IATA).

14.1 UN number or ID number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	No
14.6 Special precautions for user	Secure pallets against movement; protect from moisture in transit.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

SECTION 15

Regulatory information

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

- Regulation (EC) No 1907/2006 (REACH): the product is an article. To our knowledge it contains no substance of very high concern (SVHC, Candidate List) above 0.1 % by mass.
- Regulation (EC) No 1272/2008 (CLP): not applicable to articles; the article is not classified.
- Directive 2004/37/EC as amended by Directive (EU) 2017/2398: work involving exposure to respirable crystalline silica dust generated by a work process is covered; apply the controls in Section 8.
- Regulation (EU) No 305/2011 (Construction Products Regulation): see the product's technical data sheet and declaration for applicable harmonised standards.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the article.

SECTION 16

Other information

Revision

Revision 02, October 2026 — contact details of the sales & distribution partner updated; layout aligned with the FEBENG document family. Revision 01, August 2026 — first issue under Carbonfib BV. Supersedes all previous safety data sheets for this product.

Full text of hazard statements referred to in Section 3

H315 Causes skin irritation · H317 May cause an allergic skin reaction · H318 Causes serious eye damage · H335 May cause respiratory irritation · H372 Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation)

Abbreviations

ADR/RID/ADN/IMDG/IATA — international transport regulations · AGW — Arbeitsplatzgrenzwert (German OEL) · BOELV — binding occupational exposure limit value (EU) · CAS — Chemical Abstracts Service · CLP — Regulation (EC) No 1272/2008 · EN — European Standard · FFP — filtering facepiece · IARC — International Agency for Research on Cancer · OEL — occupational exposure limit · PBT/vPvB — persistent, bioaccumulative, toxic / very persistent, very bioaccumulative · REACH — Regulation (EC) No 1907/2006 · STOT — specific target organ toxicity · SVHC — substance of very high concern · TWA — time-weighted average

Training advice

Instruct workers on dust control, use of extraction and respiratory protection before cutting, drilling or grinding.

DISCLAIMER — The information in this safety data sheet is based on our present knowledge and on the data of our raw-material suppliers and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of product properties and does not establish a contractual relationship. The user is responsible for compliance with all applicable laws and regulations.

ISSUED BY

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RELATED DOCUMENTS: Technical data sheet FEB-TDS-BB-01 · Product brochure FEB-BRO-BB-01 · System detail sheet FEB-DET-BB-01
FEB-SDS-BB-01 · REV. 02 · OCTOBER 2026