SAFETY DATA SHEET

# FEBENG Baking Panel

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 Baking Panel |
| Product codes | BP-15 · BP-20 · BP-30 (all thicknesses, colours and edge profiles) |
| Product type | Article — fibre-reinforced, cement-bound mineral baking panel |
| UFI / registration number | Not applicable (article) |

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

Identified uses: baking surface (hearth panel, side and back lining) for professional ovens; food-contact material up to 350 °C. Uses advised against: use in direct contact with open flame or on grills; temperatures above 350 °C.

### 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 | 45 – 50 % | Skin Irrit. 2 (H315); Eye Dam. 1 (H318); Skin Sens. 1B (H317); STOT SE 3 (H335) |
| Quartz (crystalline silica) sand, bound | 14808-60-7 | 238-878-4 | 40 – 45 % | STOT RE 1 (H372) — respirable fraction only |
| Alkali-resistant glass fibre / textile | 65997-17-3 | 266-046-0 | ≤ 5 % | 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)

Baking surface in ovens. Follow the first-heating (curing) programme in the technical data sheet: heating a panel that still contains moisture too quickly can cause it to crack or spall. Clean with water only — do not use soap or detergents on a food-contact surface.

Food contact: the product is intended for contact with food at baking temperatures. Lead and cadmium were not detected by WD-XRF analysis against the permissible limits of ISO 6486-2 (October 2025). A declaration of conformity with Regulation (EC) No 1935/2004 is available on request.

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 | Red, grey or patterned |
| 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 | 7.2 – 8.0 (water extract after stabilisation); 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 | ≈ 2,200 kg/m³ |
| Relative density | ≈ 2.2 |
| 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. Avoid rapid heating of moisture-containing panels (steam pressure may crack the panel) — 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-BP-01 · Product brochure FEB-BRO-BP-01
FEB-SDS-BP-01 · REV. 02 · OCTOBER 2026