

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH), Annex II,
as amended by Regulation (EU) 2020/878

Trade name	Pumice Powder
Manufacturer	Eisenbacher Dentalwaren ED GmbH
Revision date	07/2026
Version	5.0
Supersedes	Version dated 02/2014

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

1.1 Product identifier

Trade name: Pumice Powder

Substance name: Pumice / natural volcanic complex silicate

CAS No.: 1332-09-8

EC No.: Cannot be derived from the available historical documentation; to be supplemented on the basis of current supplier data, if available.

REACH registration number: Not available / not communicated.

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

Identified use: Mineral pumice powder, particularly as an abrasive, polishing and auxiliary material in commercial and dental laboratory applications. Dust-generating applications without suitable protective measures should be avoided.

1.3 Details of the supplier of the safety data sheet

Eisenbacher Dentalwaren ED GmbH, Dr.-Konrad-Wiegand-Straße 9, 63939 Würth am Main, Germany

Telephone: +49 (0) 9372 9404-0

E-mail of the competent person: info@eisenbacher.de

1.4 Emergency telephone number

Product-related information during business hours: +49 (0) 9372 9404-0.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

According to the information currently available, the product is not classified as hazardous in accordance with Regulation (EC) No 1272/2008 (CLP). Mechanically generated fine dust may irritate the eyes and respiratory tract. Crystalline quartz content: 0.3–0.9 %. No tridymite or cristobalite is contained.

2.2 Label elements

No labelling required.

2.3 Other hazards

Avoid generation and inhalation of dust.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Natural volcanic complex silicate (pumice), mainly consisting of silicon dioxide (SiO₂) and oxides of various elements. CAS No. 1332-09-8. Essentially 100 % natural material. No hazardous constituents known.

SECTION 4: First aid measures

- **Inhalation:** No special measures required; rinse with plenty of water and move to fresh air.
- **Skin contact:** Wash with clean water; avoid vigorous rubbing.
- **Eye contact:** If dust enters the eyes, rinse thoroughly with clean water; avoid rubbing as far as possible.
- **Ingestion:** No special measures required; drink plenty of water.
- **Most important symptoms and effects, both acute and delayed:** Not relevant according to the source document.
- **Indication of any immediate medical attention and special treatment needed:** Not relevant according to the source document.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media: The product is non-combustible. Use extinguishing measures appropriate to the surrounding fire.
- 5.2 Special hazards: No specific product-related fire or explosion hazards are known.
- 5.3 Advice for firefighters: Use protective equipment appropriate to the surrounding fire.

SECTION 6: Accidental release measures

- 6.1 Avoid dust generation. In case of heavy dust formation, use suitable respiratory and eye protection.
- 6.2 No special environmental precautions are required. Do not allow large quantities to enter drains or surface waters uncontrolled.
- 6.3 Collect mechanically with as little dust generation as possible or use a suitable industrial vacuum cleaner. Avoid dry sweeping that generates significant dust.
- 6.4 For personal protective equipment see Section 8; for disposal see Section 13.

SECTION 7: Handling and storage

- 7.1 Avoid dust generation. Ensure adequate ventilation or local exhaust ventilation. Observe good occupational hygiene practices.
- 7.2 Store dry in the tightly closed original container. Protect from moisture. Moisture absorption may impair application-related properties, particularly absorption capacity.
- 7.3 Specific end use(s): See Section 1.2.

SECTION 8: Exposure controls/personal protection

- 8.1 For pumice (CAS 1332-09-8), a TWA value of 5 mg/m³ applies according to TLV/TLW or ACGIH.

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8.2 Engineering controls: Low-dust working methods, adequate ventilation and, where necessary, local exhaust ventilation.

Eye protection: Wear tightly fitting safety goggles where dust is generated.

Hand protection: Wear suitable protective gloves during prolonged contact or mechanical abrasion.

Respiratory protection: In case of inadequate ventilation or relevant dust generation, use suitable particle-filtering respiratory protection in accordance with the risk assessment.

Hygiene measures: Wash hands; do not blow off dust with compressed air.

SECTION 9: Physical and chemical properties

Physical state / appearance	porous, solid
Form	polyhedral
Colour	grey-white
Odour	odourless
pH	7.0–8.0
Bulk density	350–900 g/L
Melting point	approx. 1,200 °C
Flammability	not flammable, not explosive, non-combustible
Oxidising properties	none
Density	2.36–2.400 g/cm ³ at 18–22 °C
Hardness	5–6 Mohs
Solubility	insoluble; according to the source document soluble only in hydrofluoric acid
Refractive index	1.5
Vapour pressure	not relevant

SECTION 10: Stability and reactivity

10.1 No hazardous reactivity known under normal conditions.

10.2 Stable under recommended storage conditions.

10.3 No hazardous reactions known when used as intended.

10.4 Avoid dust generation and moisture.

10.5 Incompatible materials: Hydrofluoric acid attacks silicate constituents.

10.6 No hazardous decomposition products known when used as intended.

SECTION 11: Toxicological information

11.1 Acute toxicity: Non-toxic.

Skin: Not classified; mechanical irritation is possible.

Eyes: Not classified; dust may cause mechanical irritation.

Sensitisation: No indications known.

Mutagenicity, carcinogenicity, reproductive toxicity: No classification based on the available data.

STOT-single exposure: Not classified; high dust concentrations may mechanically irritate the respiratory tract.

STOT-repeated exposure: Not classified on the basis of the available data.

Aspiration hazard: Not applicable.

11.2 Endocrine disrupting properties: No indications from the available information. No other relevant effects known.

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SECTION 12: Ecological information

- 12.1 No relevant ecotoxic effects are known for the natural, largely inert mineral substance.
- 12.2 Persistence and degradability: Not meaningfully applicable to inorganic mineral substances.
- 12.3 Bioaccumulative potential: Not expected.
- 12.4 Mobility in soil: Low; insoluble in water.
- 12.5 PBT/vPvB: Based on the substance properties, the substance is not considered to be PBT or vPvB; no formal substance assessment is available.
- 12.6 Endocrine disrupting properties: No indications.
- 12.7 Other adverse effects: None known.

SECTION 13: Disposal considerations

- 13.1 Dispose of product residues as mineral waste in accordance with local and national regulations. The waste code must be determined by the waste producer depending on the specific application. Do not discharge uncontrolled into drains. Uncontaminated packaging may be recycled in accordance with local requirements.

SECTION 14: Transport information

According to the available information, the product is not classified as dangerous goods under ADR/RID, ADN, IMDG and ICAO-TI/IATA-DGR.

- 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: Avoid dust generation; keep containers dry and closed.
- 14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

- 15.1 This safety data sheet has been prepared in accordance with the structural requirements of Annex II to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878. The classification and labelling have been assessed in accordance with Regulation (EC) No 1272/2008 (CLP). National occupational health and safety regulations, in particular those relating to risk assessment and dust exposure, must be observed.

The designation 'WGK 1' from the previous version has not been carried over without verification. The current classification must be verified against the applicable German AwSV/UBA classification system and the specific substance identity prior to approval.

- 15.2 A chemical safety assessment has not been carried out by the preparer of this safety data sheet or is not available.

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SECTION 16: Other information

This safety data sheet was prepared on the basis of the provided scanned safety data sheet for pumice (dated January 2026). Information not contained in the source document has not been added as confirmed substance data.