

Safety Data Sheet (SDS)

Product Name: Zero Crystalline Silica Stone

Version: UK/EU V2.1.0

Report No.: HGBZ260535S1

Revision Date: 2026/06/30 (*Updated for UK/EU Regulatory Compliance*)

Prepared according to: Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP), and the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

- **Product Name:** Zero Crystalline Silica Stone
- **CAS No.:** Not applicable (Mixture / Article)
- **EC No.:** Not applicable
- **Molecular Formula:** Not applicable

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

- **Identified Uses:** Kitchen countertops, floors, wall cladding, and interior decorative surfaces.
- **Uses Advised Against:** Areas exposed to direct fire sources, extreme high-temperature environments, or dry-cutting/processing without appropriate dust suppression and engineering controls.

1.3 Details of the Supplier of the Safety Data Sheet

- **Supplier:** La Bottega Di Ada Ltd - Basilica Stone
- **Address:** Hardwick Court Farm, Hardwick Lane, Lyne, Surrey, KT16 0AD, United Kingdom
- **Telephone:** 01932508888
- **E-mail (Competent Person):** Contact local company representative via telephone.

1.4 Emergency Telephone Number

- **Emergency Phone (UK):** 01932508888 (Office hours) or dial 111 (NHS medical advice)
 - **Emergency Phone (EU):** Dial 112 (General European Emergency Number) [[1](#)]
-

2. Hazards Identification

2.1 Classification of the Substance or Mixture

- **Classification according to Regulation (EC) No 1272/2008 [CLP] & GB CLP:** Not classified as a hazardous chemical mixture.
- *Note on processing dust:* While the solid product is non-hazardous, mechanical processing (cutting, grinding, polishing) generates airborne dust. This dust may cause temporary mechanical irritation to eyes and the respiratory tract.

2.2 Label Elements

- **Labelling according to Regulation (EC) No 1272/2008 [CLP] / GB CLP:**
 - **Hazard Pictograms:** None
 - **Signal Word:** None
 - **Hazard Statements:** None
 - **Precautionary Statements:**
 - *P261:* Avoid breathing dust/fume/gas/mist/vapours/spray.
 - *P280:* Wear protective gloves/protective clothing/eye protection/face protection.
 - *P284:* [In case of inadequate ventilation] wear respiratory protection.

2.3 Other Hazards

- **PBT and vPvB assessment:** The components in this mixture do not meet the criteria for PBT or vPvB according to REACH Annex XIII.
 - **Endocrine Disrupting Properties:** The mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 59(1).
-

3. Composition/Information on Ingredients

Component	CAS No.	EC No.	Concentration (%)	Classification (CLP / GB CLP)
Glass Sand (<i>non-crystalline silica</i>)	65997-17-3	266-046-0	86%	Not Classified
igloss	--	--	13%	Not Classified
Other Ingredients	--	--	1%	Not Classified

4. First-Aid Measures

4.1 Description of First Aid Measures

- **General Advice:** Show this safety data sheet to the doctor in attendance.
- **Inhalation:** Move to fresh air. If mechanical irritation or coughing persists, seek medical attention. If breathing is difficult, administer oxygen by trained personnel.
- **Skin Contact:** Wash with soap and water. Solid stone poses no general risk. If cuts occur from sharp broken edges, treat as a mechanical wound and seek medical care if deep.
- **Eye Contact:** Do not rub eyes. Immediately rinse cautiously with water for at least 15 minutes, pulling eyelids open. Remove contact lenses if present and easy to do. Consult a physician if irritation continues.
- **Ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or local Poison Information Centre.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Dust inhalation may cause temporary respiratory coughing or tickling.
- Delayed cumulative effects can occur if dust exposure is severe and unmanaged over years.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Treat symptomatically.



5. Fire-Fighting Measures

5.1 Extinguishing Media

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide (CO₂) suitable for the surrounding structural fire.
- **Unsuitable Extinguishing Media:** None restricted.

5.2 Special Hazards Arising from the Substance or Mixture

- The product itself is non-flammable, but binding elements (igloss/other ingredients) may decompose under extreme fire conditions to emit irritating or hazardous gases/vapours.

5.3 Advice for Firefighters

- Wear self-contained breathing apparatus (SCBA) conforming to **EN 469** and full protective gear. Prevent firefighting run-off water from entering storm drains or local waterways.
-

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Ensure adequate ventilation in area. Use personal protective equipment (see Section 8). Avoid generating airborne dust during cleanup. Turn off any powerful ventilation systems that might spread dust.

6.2 Environmental Precautions

- Prevent large quantities of processing slurry or dust from entering drains, surface water, or groundwater systems.

6.3 Methods and Material for Containment and Cleaning Up

- **Slurry/Wet Waste:** Collect via wet-vacuuming or absorb with an inert material and shovel into designated waste containers.
- **Dry Dust:** Avoid dry sweeping. Use an industrial vacuum cleaner equipped with a **HEPA filter** or suppress dust with a water mist before shovelling.

6.4 Reference to Other Sections

- See Section 7 for handling, Section 8 for personal protective equipment, and Section 13 for disposal guidance.



7. Handling and Storage

7.1 Precautions for Safe Handling

- **Engineering Measures:** Mechanical processing (cutting, profiling) must strictly use **wet-processing methods** (water-fed tools) to suppress dust generation.
- **Hygiene:** Wear appropriate personal protective equipment. Do not eat, drink, or smoke in work areas. Wash hands thoroughly after handling residues.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Store slabs securely in A-frames or certified storage racks to prevent tipping hazards. Keep in a dry, cool, well-ventilated space away from food, drink, and incompatible chemical materials.

7.3 Specific End Use(s)

- Apart from the uses mentioned in Section 1.2, no other specific end uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

- **Workplace Exposure Limits (WEL / OEL):**
 - *UK (HSE EH40/2005):* No specific WEL for glass sand, but generic **Inhalable Dust** is limited to **10 mg/m³** (8h TWA) and **Respirable Dust** to **4 mg/m³** (8h TWA).
 - *EU Member States:* Observe local regulatory thresholds for general nuisance dust.

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls [\[1\]](#)

- Use local exhaust ventilation or water-suppression tools during fabrication. Ensure eyewash stations and emergency safety exits are easily accessible.

8.2.2 Personal Protective Equipment (PPE)

[PPE Required for Fabrication / Cutting Operations]

└— Eye Protection: Safety goggles or face shield (EN 166)

└— Hand Protection: Heavy-duty cut-resistant gloves (EN 388)



└— Respiratory: FFP3 dust mask or half-face respirator (EN 149 / EN 140) if dust is generated

└— Body Protection: Protective work overalls and safety boots (EN ISO 20345)

8.2.3 Environmental Exposure Controls

- Do not discharge fabrication water slurry into public sewers without settling filtration treatment.

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

- **Physical State:** Solid (slabs/lumps)
- **Color:** White
- **Odor:** Odourless
- **Melting Point:** ~800°C (Glass Sand component)
- **Relative Density:** 2.6 (at 20°C, Glass Sand)
- **Decomposition Temperature:** >600°C (Glass Sand)
- **Flash Point:** Not applicable
- **Solubility:** Insoluble in water

9.2 Other Information

- **Safety Characteristic:** Contains 0% crystalline silica.

10. Stability and Reactivity

- **10.1 Reactivity:** Non-reactive under normal ambient storage and usage conditions.
- **10.2 Chemical Stability:** Stable under recommended storage conditions.
- **10.3 Possibility of Hazardous Reactions:** No dangerous chemical reactions known.
- **10.4 Conditions to Avoid:** Strong physical impacts, extreme heat, open flames, and sparks.



BASILICA STONE

- **10.5 Incompatible Materials:** Strong acids, hydrofluoric acid, and strong oxidizing agents.
 - **10.6 Hazardous Decomposition Products:** Does not decompose under normal ambient use.
-

11. Toxicological Information

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

- **Acute Toxicity:** Based on available data, classification criteria are not met.
 - **Skin Corrosion/Irritation:** Not classified. Mechanical dust might cause physical abrasion.
 - **Serious Eye Damage/Irritation:** Not classified. Dust may cause mechanical eye irritation.
 - **Respiratory or Skin Sensitisation:** Not classified.
 - **Germ Cell Mutagenicity:** Not classified.
 - **Carcinogenicity:** Not classified. (Glass sand is amorphous, non-crystalline silica and is **not** listed as a carcinogen by IARC or NTP).
 - **Reproductive Toxicity:** Not classified.
 - **STOT-Single Exposure:** May cause respiratory tract irritation via airborne dust.
 - **STOT-Repeated Exposure:** Long-term inhalation of general processing dust without PPE may cause minor respiratory impairment.
 - **Aspiration Hazard:** Not applicable for a solid.
-

12. Ecological Information

- **12.1 Toxicity:**
 - *Glass Sand component:* Acute Aquatic Toxicity LC50 (Fish, 96h): 1000 mg/L. The product is not considered hazardous to the aquatic environment.
- **12.2 Persistence and Degradability:** Not applicable for inorganic stone products.
- **12.3 Bioaccumulative Potential:** Does not bioaccumulate.

- **12.4 Mobility in Soil:** Insoluble solid. Low mobility in soil.
 - **12.5 Results of PBT and vPvB Assessment:** This mixture does not contain any substances assessed to be a PBT or a vPvB.
 - **12.6 Endocrine Disrupting Properties:** None known.
-

13. Disposal Considerations

13.1 Waste Treatment Methods

- **Waste Chemical:** Dispose of in accordance with the **UK Environmental Protection Act 1990 / EU Waste Framework Directive (2008/98/EC)**. Can be disposed of as inert construction waste in approved landfills. Incineration can be used for dust scrapings in authorized facilities.
 - **Contaminated Packaging:** Empty frames, pallets, or plastic wraps should be collected for local recycling or disposed of via licensed waste handlers. Keep packaging away from fire.
-

14. Transport Information

- **14.1 UN Number or ID Number:** Not regulated
 - **14.2 UN Proper Shipping Name:** Not regulated
 - **14.3 Transport Hazard Class(es):** Not regulated (Not dangerous goods per ADR, RID, ADN, IMDG, IATA)
 - **14.4 Packing Group:** Not regulated
 - **14.5 Environmental Hazards:** No
 - **14.6 Special Precautions for User:** Check container/slab securing integrity before transport to prevent mechanical breaking or tipping. [\[1\]](#)
-

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture



15.1.1 UK Regulations

- **UK REACH:** The components of this mixture are either pre-registered, registered, or exempt from registration.
- **COSHH:** Control of Substances Hazardous to Health Regulations 2002 applies to dust generation activities during fabrication.
- **Management of Health and Safety at Work Regulations 1999:** Requires risk assessments for processing operations. [[1](#), [2](#), [3](#)]

15.1.2 EU Regulations

- **EU REACH (EC No 1907/2006):** Contains no Substances of Very High Concern (SVHC) on the Candidate List above the 0.1% threshold.
- **Seveso III Directive (2012/18/EU):** Not applicable.

15.1.3 International Conventions

- Not listed under the Montreal Protocol on substances that deplete the ozone layer.
- Not listed under the Stockholm Convention on persistent organic pollutants.
- Not listed under the Rotterdam Convention on the prior informed consent procedure.

15.2 Chemical Safety Assessment

- A Chemical Safety Assessment (CSA) has not been carried out for this mixture by the supplier.

16. Other Information

- **Abbreviations and Acronyms:**
 - **ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road
 - **CLP:** Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 - **DNEL:** Derived No-Effect Level
 - **TWA:** Time-Weighted Average (8 hours)
 - **WEL:** Workplace Exposure Limit (UK) [[1](#), [2](#), [3](#)]



BASILICA STONE

- **References:** Prepared using safety databases from IPCS, IARC, OECD, GESTIS, and the UK Health and Safety Executive (HSE).
- **Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. It is intended solely as a guide for safe handling, use, processing, storage, transportation, disposal, and release.