



MATERIAL SAFETY DATA SHEET (MSDS)

Benyeequartz

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01 COMPANY INFORMATION

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Benyeequartz covers an area of 720000sqft, and the yearly output of quartz slab can be more than 500 thousand square meter. Our quartz items are popular in USA, Canada, Australia, France, etc, and used for project of hotel, municipal administration, apartment, villa and so on. We insist providing best-quality products and professional service for customers. You are welcome to contact us for further cooperation.

02 PRODUCT INFORMATION

2.1 Product Description

Quartz slabs, pre-fabricated countertops, and cut-to-size countertops.

2.2 Product Use

Surfacing material for interior application.

2.3 Product Composition

Component	Composition %
Crushed silica quartz, glass, mirror, granite, and other natural stone	≥ 93
Polyester resin and pigments	balance

03 POTENTIAL SIDE EFFECTS

Benyeequartz Quartz Surfaces in finished form does not present any health hazard to users.

Dust and powder generated from fabrication and installation may cause irritation to skin, eyes, nose, and airways. Adequate ventilation systems should exist in the fabrication work areas to minimize constant inhalation of flying dust and powder. Fabricators and installers should use vacuum cleaning equipment, dust pick/up systems, and protection masks.

Massive inhalation of crystalline silica may cause pulmonary diseases such as bronchitis, emphysema, and other pulmonary diseases.

IMPORTANT PRACTICE: we recommend the product to be made, fabricated, and installed using wet production methods.

04 FIRST AID MEASURES

In the event of any unwanted contact with powder and dust, please follow these guidelines:

- **Skin:** Wash exposed skin with soap and water. Remove exposed clothing.
- **Eyes:** Wash hands thoroughly first. Flush eyes with plenty of water.
- **Dizziness:** Take the affected person to a fresh air or a well-ventilated area.
- **Ingestion:** Seek medical attention.

05 FIRE FIGHTING MEASURES

The product is hardly flammable.

- **Extinguishing Method:** Use standard extinguishers.
- **Firemen Protection:** Standard equipment.
- **Exposure:** No explosion danger.

06 LEAKS AND SPILL RESPONSE

Not applicable.

07 HANDLING AND STORAGE

Handle the product with care. Secure properly when placing slabs on rack or A-frame. Observe all safety handling measures and disposal regulations for the stone industry.

7.1 Handling Measures

Use eye protection and dust masks when cutting and polishing material. Use steel-toed footwear and wear industrial gloves when handling material. Wash hands before eating and drinking. Wash thoroughly after work using soap and water. Good hygiene practices should be followed when handling this material.

7.2 Storage Conditions

- Not to place more than 20 slabs on rack or A-frame.
- Not to place more than 20 prefabricated countertops on rack or A-frame.
- No outdoor storage. No exposure to sun and rain.

08 PREVENTIVE MEASURES/PERSONAL PROTECTION

8.1 Cutting, Sanding, and Polishing

- Use safety goggles, face and neck protection, and dust masks.
- Use dust extraction equipment.
- Use dust vacuum cleaning equipment.

8.2 Slabs and Countertops Handling

- Recommended to do in an adequately marked area away from frequent foot traffic.
- Recommended to mechanize the handling of heavy or complex pieces.

09 PHYSICAL & CHEMICAL PROPERTIES

Physical Appearance	Multi-colored engineered quartz stone
Odor	Odorless
pH	n/a
Moisture Absorption	0.06%
Density	³ / ₄ " inch thickness = 151.95 lb/ft ³

10 TECHNICAL PROPERTIES

Durability	
Mohs Hardness Scale	Quartz = 7 Diamond = 10 (highest)
Impact Resistance	No fracture
High Temperature Resistance	No effect
Cigarette Test	Pass

Strength	
Flexural Strength	4,382 psi (308.1 kg/cm)
Compressive Strength	30,400 psi (2,137.8 kg/cm)

Stain Resistance	
Stain Resistance	No effect
Wear and Cleanability	Pass
Resistance to Fungi and Bacteria	No traces of growth

Chemical Resistance	
Resistance to Household Chemical	Pass
Resistance to Chemical Substances	Not affected

Safety and Health	
Surface Burning	Class A rated
Volatile Organic Compounds (VOCs)	7.01 mg/kg
Benzene Toluene Ethylbenzene Xylene (BTEX)	Benzene and Xylene = Not detected
	Toluene = 5.45 mg/kg
	Ethylbenzene = 1.20 mg/kg
Styrene	Not detected

11 STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Outdoor, sun, and rain
Materials/Chemical to Avoid	Hydrofluoric acid
Hazardous Decomposition Products	Upon decomposition, hydrocarbons, carbon dioxide, carbon monoxide fumes, and water may be released.
Hazardous Polymerization	Will not occur

12 TOXICOLOGICAL INFORMATION

The powder generated in the manufacturing process contains silica (SiO₂).

Prolonged and massive inhalation of crystalline silica may cause pulmonary fibrosis, and pneumoconiosis and silicosis, as well as a worsening of other pulmonary diseases (bronchitis, emphysema, etc.). The main symptoms of silicosis is the lost of pulmonary capacity. People with silicosis have a greater risk of getting lung cancer.

13 ENVIRONMENTAL INFORMATION

Ecotoxicity	No detrimental environmental impact is known.
Mobility	Not volatile.
Persistence/Degradability	Insoluble in aquatic environment. No biodegradable data is available.

14 WASTE DISPOSAL CONSIDERATIONS

Any waste shall be disposed in an appropriate and approved waste disposal facility. Discard and dispose in accordance with federal, state, and local laws and regulations.

Benyeequartz is not classified as hazardous waste.

15 OTHER INFORMATION

All information and recommendations in this document are made in good faith. Nothing expressed herein can be interpreted or construed as a warranty or other implicit condition (legal or any other kind).