MATERIAL SAFETY DATA SHEET

Product Name: Quartzo by BABA QUARTZ

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Section 1: Product Description & Company Identification

Product Description Commercial Product Name Use	Quartzo by BABA QUARTZ® Surfacing
Company Identification Manufacturer / Supplier Corporate Office Address	5115 Shadowlawn Ave, Tampa, Fl 33610, USA
Factory Address	VILLAGE KUNDAN KI BERI , SHRINAGAR , NASIRABAD, AJMER RAJASTHAN , INDIA PIN: 305801
Contact Email Website	888-813-3442 customerservice@quartzousa.com

Section 2: Composition / Information on Ingredients

Ingredients	CAS#	Composition (%)
Crystalline Silica (quartz)	14808-60-7	>90
and other natural stones Resins and trace minerals including Fe2O3, Fe3O4, TiO2,	NA	Balance
Physical Description	Agglomerated Quartz	

Section 3: Hazards Identification

Emergency Overview	
Colour	Can be of any colour
Appearance	Sheets
Odor	Odorless

Under normal conditions of use, this product is not expected to create any unusual industrial Hazards.

Primary Routes of Exposure
Skin Contact
Eye Contact

	Potential Health Effects	Personal Protective Equipment to be used
Inhalation	No hazard expected in normal use. However, dust generated during fabrication operations such as sawing, routing, drilling, polishing, cutting, grinding, etc., may cause irritation to respiratory tract, causing coughing and sneezing.	Suitable anti - dust masks.
Eye Contact	No hazard expected in normal use. However, dust generated during fabrication operations such as sawing, routing, drilling, polishing, cutting, grinding, etc., may cause irritation.	Suitable eye - wear. Do not wear contact lenses.
Skin Contact	No hazard expected in normal use. However, dust generated during fabrication operations such as sawing, routing, drilling, polishing, cutting, grinding, etc., may cause irritation.	Suitable body suits
Ingestion	No hazard expected in normal use. However, dust generated during fabrication operations such as sawing, routing, drilling, polishing, cutting, grinding, etc., may cause irritation.	Suitable anti - dust masks.

Section 4: First Aid Measures

	First Aid Procedures
Inhalation	Take the person to a place with ample amount of fresh air. Artificial respiration can be used if required. Consult a doctor if symptoms persist.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, or until all material has been removed. Obtain medical attention if irritation develops.
Skin Contact Ingestion	1. Flush skin with plenty of water. Obtain medical attention if irritation develops. Obtain medical attention.

Section 5: Fire Fighting Measures

Extinguishing Media	Appropriate extinguishing media for surrounding fire.
Special Fire Fighting Procedures	As in any fire, wear self-contained breathing apparatus Pressure-demand, OSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

a) Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.
b) Dampen the dust generated during fabrication operations with water or use vacuum avoiding dust generation. Wear recommended personal protective equipment. Obey relevant local, state, provincial and federal laws and regulations for disposal.

DATA SHEET Section 7: Handling & Storage

Handling	The product is heavy and breakable so needs to be handled with proper handling equipment to avoid injury and damage. Use safety shoes while handling the slabs. Wash thoroughly after handling.
Storage	Store in a cool, dry and covered place. Palletize on appropriate stands and in recommended numbers. Place finish to finish to avoid scratches.

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Components	CAS#	Control Parameters	Basis
Crystalline Silica	14808-60-7	0.025 mg/m_3 TWA (respirable)	ACGIH
		0.05 mg/m_3 TWA (respirable)	NIOSH
		((250)/(%SiO_2 + 5) mppcf TWA (respirable))	OSHA-PELs
		((10)/(%SiO_2 + 2) mg/m_3 TWA (respirable))	
		((30)/(%SiO_2 + 2) mg/m_3 TWA (total dust))	

Personal Protective Equipment

Eyes	During fabrication operations wear appropriate protective eyeglasses.
Skin	During fabrication operations wear appropriate protective clothing and hand gloves to prevent skin exposure.
Feet	Wear safety shoes while handling the slabs.
Respirators	If required, a respiratory protection program that meets OSHA's 29 CFR 1910.134.

Section 9: Physical & Chemical Properties

Appearance	Sheet
Physical State	Solid
Colour	Can be of any colour
Odor	Odorless
Specific Gravity / Density	2.35 - 2.45 g/cc
Water Solubility	Insoluble
pH Value	NA
Boiling Point	NA
Melting Point	NA
Freezing Point	NA
Vapor Pressure	NA
% Volatiles by Volume	NA
Evaporation Rate	NA
Viscosity	ND

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to avoid	None
Materials / Chemicals to be avoided	Silica dissolves in Hydrofluoric Acid and produces corrosive gas silicon Tetra fluoride
Hazardous Decomposition Products	Hydrocarbons, carbon di-oxide, carbon monoxide and water may be released upon decomposition.
Hazardous Polymerization	Does not occur.

Section 11: Toxicological Information

Acute Effects - *of crystalline silica powder generated during fabrication operations*				
Route of Exposure	Species observed	Type of Tests	Dose/Duration	Toxic Effects
Inhalation	Human	TCLo- Lowest Published Toxic Concentration	16 mppcf/8H/17.9Y	Lungs, Thorax or Respiration- Intermittent, fibrosis, focal, cough,dyspnea
Inhalation	Human	LCLo- Lowest Published Lethal Concentration	0.3mg /m3/10Y	Liver- other changes
Inhalation	Rodent (rat)	TCLo- Lowest Published Toxic Concentration	50mg/m3/6H/71W	Intermittent; liver - tumors

Chronic Effects - *of crystalline silica powder generated during fabrication operations*	
Silicosis	Chronic Inhalation exposure to free silica may cause delayed lung injury, including silicosis, a disabling and potentially fatal lung disease, and/or cause or aggravate other lung diseases or conditions.
Carcinogenic Potential	The International Agency for Research on Cancer **(IARC)** classifies crystalline silica powder as a known human carcinogen
	The National Toxicology Program **(NTP)**, in its ninth Annual Report on Carcinogens, classified "silica, crystalline (respirable)" as a known carcinogen
	The U.S. Occupational Safety and Health Administration (OSHA) does regulate crystalline silica (quartz) as a carcinogen
	The EU Scientific Committee on Occupational Exposure Limits (SCOEL) has concluded that, "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk…"
	The American Thoracic Society concluded that "The available data support the conclusion that silicosis produces increased risk for bronchogenic carcinoma. The cancer risk may also be increased by smoking and other carcinogens in the workplace." Adverse Effects of Crystalline Silica Exposure, American Journal of Respiratory and Critical Care Medicine, Vol. 155, pp. 761-765 (1997).

Scleroderma	There is evidence that exposure to respirable crystalline silica or that the disease silicosis is associated with the increased incidence of scleroderma, an immune system disorder manifested by a fibrosis (scarring) of the lungs, skin and other internal organs.
Tuberculosis	Individuals with silicosis are at increased risk to develop tuberculosis, if exposed to persons with tuberculosis.
Nephrotoxicty	There are several recent studies suggesting that exposure to respirable crystalline silica or that the disease silicosis is associated with the increased incidence of kidney disorders.
Mutagenicity	No Data
Reproductive Effects	No Data
Developmental Effects	No Data

Section 12: Ecological Information

Environmental Toxicity	ND
Environmental Fate	ND

Section 13: Disposal Considerations

General Disposal Guidance	Follow relevant local, state, provincial and federal laws and regulations for disposal.

Section 14: Transportation Information

Not Regulated.

Section 15: Regulatory Information

The product is not dangerous according to the Italian Law D.L. n. 52 dated 3 rd February 1997 and regulation related to the classification, packaging, and labelling of dangerous substances.

Section 16: Other Information

Key Legend
NA

Time Weighted Average

The information contained herein is based on the data available to us and is believed to be correct. However, Quartzo by BABA QUARTZ® makes no warranties expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The data is subject to revision as additional knowledge and experience is gained.

Permissible Exposure Limit