
KARTA CHARAKTERYSTYKI MATERIAŁU INTERQ

JANUARY 2025

Plot Number 34A & 34B, APIIC BPSEZ; Annangi Village, Prakasam District Andhra Pradesh 523211

1. Product and Company Information

Company: for INTERSTONE SP. Z O.O.

Address: Plot Number 34A & 34B, APIIC BPSEZ, Annangi Village; Maddipadu Mandal, Prakasam District, Andhra Pradesh 523211

2. Hazard(s) Identification

InterQ products are safe for delivery, storage and use as certified by NSF for food safety (ANSI 051). However, operations such as sawing, drilling, grinding, sanding, and routing can generate silica dust. The fine dust of quartz (silicon dioxide) containing crystalline silica can cause potential health effects.

Acute Eye: Dusts and flying particles generated during cutting, grinding, and forming may cause irritation to the eyes such as burning, redness, and tearing.

Acute Skin: Dusts generated from this product may cause skin irritation.

Acute Inhalation: Dusts from product may cause irritation to respiratory tract, nose, throat, and lungs.

Acute Ingestion: Dust may cause gastrointestinal irritation if swallowed.

Chronic Exposure: Prolonged exposure to respirable crystalline silica can cause silicosis and has been linked to other diseases, such as lung cancer, tuberculosis, fibrosis of the lungs, chronic obstructive pulmonary disease, and kidney disease. The risk of lung diseases will increase if smoking is combined with silica inhalation. Always use a respirator or mask when cutting or abrading this material and to avoid generating dust, wet cutting methods should be used.

3. Composition of Ingredients

Component	CAS#	% Composition
Crystalline Silica (quartz)	7631-86-9	80-90%
Resin	26123-45-5	10 – 18%
Pigment and Trace Minerals	NA	0.1-0.5%

4. First Aid Measures

First aid measures are not required when exposed to slabs. In the scenario of exposure to particles when cutting, grinding, and sawing the slabs, the below measures are recommended. Seek medical assistance, if necessary.

Inhalation: Move the affected person from the hazardous exposure towards fresh air. If breathing is difficult, perform emergency rescue procedures and seek immediate medical assistance.

Skin Exposure: Wash exposed skin with soap and water. Remove exposed or contaminated clothing. Seek medical assistance if adverse effects occur.

Eye Exposure: Immediately flush eyes water for a minimum of 15 minutes and do not rub eyes. If irritation is present after washing, seek medical attention.

Ingestion: If the material is ingested, seek medical attention.

5. Fire Fighting Measures

Suitable extinguishing agents: any suitable agent for surrounding fires (water, dust, dry chemical, CO₂). Polymers and pigments contained in the quartz agglomerate can degrade at high temperatures, with the consequent possibility of release of hazardous decomposition products such as hydrocarbons, carbon dioxide, carbon monoxide and water, metal oxide fume and mica particles. It is necessary to use appropriate measures and freighting facilities to counter emergencies that such fire hazardous decomposition products may pose.

6. Accidental Release Measures

If InterQ products are accidentally broken, handle the broken pieces with industrial gloves and follow the safe handling procedures. The waste should be disposed of properly and follow the local, state and federal regulations for waste disposal. Always wear respiratory protecting masks and protective clothing when handling silica dust. Seal all the waste in vapor tight containers for proper waste disposal.

7. Handling and Storage

When handling this material always use industrial protective gloves, proper lifting devices, and safe footwear to avoid injury and prevent damage. Ensure that the lifting straps and lifting clamps are free from defects.

8. Exposure Controls/Personal Protection

Engineering Control: Cut the slabs in well ventilated areas. Use sharp and wet tools in fabrication and installation to reduce the amount of dust. Wear appropriate personnel protective equipment.

Hand and Skin Protection: During cutting or grinding, use appropriate protection including work gloves if handling sharp or rough edges.

Hygiene-Protection: Wash hands before any food or beverage consumption, and always wash contaminated clothes before using again.

Foot Protection: Use steel-toed shoes if lifting the slabs.

Eye / Face-Protection: During cutting, grinding or sanding operations, wear appropriate safety glasses with side shields.

9. Physical and Chemical Properties

Test Item	Results
Physical Appearance	Multicolored stone
Odor	None
pH	NA
Apparent Density	2.34g/cm ³
Water Absorption	0.01%
Melting Point	NA
Freezing Point	NA
Boiling Point	NA
Vapor Pressure	NA
Percent Volatiles by Volume	NA
Evaporation Rate	NA
Viscosity	ND
Flash Point	ND
Explosion Limits	ND
Auto-Ignition Temperature	ND
Stability	Stable
Conditions to Avoid	None
Materials/Chemicals to Avoid	This product is incompatible with hydrofluoric acid. Silica will dissolve in hydrofluoric acid and produce the corrosive gas silicon tetra fluoride.
Hazardous Decomposition Products	Upon decomposition, various hydrocarbons, carbon dioxide, carbon monoxide and water may be released. Fumes of metal oxides and mica particles could also be released.
Hazardous Polymerization	Will not occur
Flexural Strength	42.4MPa
Slip Resistance (Polished)	SRV dry: 62 SRV wet: 17
Abrasion Resistance	23mm
Thermal Shock Resistance	Mass loss: 0.03% Appearance: No visible defects Flexural strength after thermal shock: 44.2MPa Flexural strength loss: -4.7%
Impact Resistance	11.22J
Linear Thermal Expansion Coefficient	23.5 x 10 ⁻⁶ C
Dimensional Stability	Class: A
Frost and Thaw Resistance	Flexural strength after freeze and thaw resistance: 44.1MPa The change in flexural strength: 104.5%
Breaking Load at Dowel Hole	5660N
Surface Resistivity	1.56 x 10 ¹² J/sq
Volume Resistivity	3.42 x 10 ¹³ J/sq
Thermal Conductivity	0.746W/(m-K)
Chemical Resistance	C4

10. Toxicological Information

Health effects from the likely routes of exposure (inhalation, ingestion, skin and eye contact) include acute and chronic effects.

Acute effects include intermittent, focal fibrosis, pneumoconiosis, cough, dyspnea Inhalation and liver tumors. Chronic effects can cause pulmonary fibrosis and pneumoconiosis and silicosis, as well as a worsening of other pulmonary diseases (bronchitis, emphysema, etc). The main symptom of silicosis is the loss of pulmonary capacity. People with silicosis have a greater risk of getting lung cancer.

Crystalline silica (respirable size) has been classified by the International Agency for Research on Cancer as Group 1 Carcinogen to humans.

11. Ecological Information

This product has no known ecotoxicological impact/effects.

ISO 9001 Certification: InterQ is granted the ISO 9001 certificate for Quality Management System.

NSF certification: InterQ Surfaces are safe for the environment and users.

12. Disposal Considerations

Waste Disposal Method: Quartz surfaces waste disposal should be managed in an appropriate and approved waste disposal facility, under the guidelines of local regulations.

13. Transport Information

This product is not regulated under the US Department of Transportation.

14. Regulatory Information

Fire Hazard: No

Reactive Hazard: No

U.S. State-Regulations: California Prop 65 List: Crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen

15. Other Information

The information provided in this Safety Data Sheet is correct to the best of knowledge and believed accurate and reliable. However, InterQ cannot guarantee the recommendations or suggestions herein, as the product's conditions of use are beyond manufacturer's control. It is the responsibility of the recipient of our product to check the corresponding rules and regulations. The recipient of the product involved in the handling and processing procedures shall comply with the rules of the Occupational Risk Prevention Legislation and Prevention Services, both general and applicable to the sector. InterQ cannot assume any responsibility for compliance with the specified requirements. Under no circumstances the data contained in this Safety Data Sheet constitute a guarantee of specific properties or create any contractual relationship.