Material Safety Data Sheet

Section 1 – Product and Company Information

**Company**  
Spectrum Quartz dba Hirsch Glass  
**Address**  
106 Melrich Road  
Cranbury, NJ 08512  
**Telephone**  
(732)329-8988  
**Fax**  
(732)329-8851  
**Email**  
support@SpectrumQuartz.com  
**Website**  
www.SpectrumQuartz.com

**Product Name**  
Spectrum Quartz  
**Product Use**  
Quartz surfacing applications for indoor applications such as kitchen and bathroom countertops, tabletops, flooring, and other uses

Section 2 – Product Composition

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS #</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz / Crystalline Silica</td>
<td>14808-60-7</td>
<td>&gt;85%</td>
</tr>
<tr>
<td>Polyester resin</td>
<td></td>
<td>7-15%</td>
</tr>
<tr>
<td>Additives and pigments</td>
<td></td>
<td>0-7%</td>
</tr>
</tbody>
</table>

Section 3 – Hazards Identification

**Potential Health Effects**  
Spectrum Quartz products are not hazardous as shipped or in finished form.

During the fabrication and installation of the product, dust and powder generated may cause irritation to skin, eyes, nose, and airways.

It is highly recommended that adequate ventilation be provided during fabrication and installation. In addition, the usage of protective gloves and masks and wet cutting tools is suggested.

Section 4 – First Aid Measures

**Contact with Eyes**  
Flush immediately with generous amounts of water for at least 10 minutes. Seek medical attention if irritation persists after flushing.

**Contact with Skin**  
Thoroughly wash contacted areas with soap and water.

**Inhalation**  
Move affected individual to a well-ventilated area, preferably outdoors. If breathing difficulty occurs, seek medical attention immediately.

**Ingestion**  
Seek medical attention if large amounts are ingested.
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**Section 5 – Fire Fighting Measures**

<table>
<thead>
<tr>
<th>Extinguishing Agents</th>
<th>Water, Dry Chemical, CO2, Foam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Keep personnel away and upwind of fire. Equipment dependent upon surrounding fire.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>Combusted only with difficulty.</td>
</tr>
</tbody>
</table>

**Section 6 – Accidental Release Measures**

Solid pieces can be gathered and disposed in accordance with local, state, and federal laws. For large amounts of dust, vacuum, sweep, or dampen with water to avoid airborne particles.

**Section 7 – Handling and Storage**

Special measures are not required for proper handling or storage. Wash hands thoroughly with soap and water after handling. Handle with care to avoid injury and prevent damage. Store inside in an area not exposed to excessive sunlight.

**Section 8 – Exposure Controls and Personal Protection**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Exposure Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (quartz)</td>
<td>Respirable dust: 10 mg/m³ / % SiO₂+2 (8 hr. TWA)</td>
</tr>
</tbody>
</table>

**Exposure Controls and Protective Equipment**

**Controls**

Work in a well-ventilated area and wear proper respiratory equipment to avoid inhalation exposure during cutting and polishing. Cutting machinery using water is highly recommended.

**Eye/Face Protection**

Use appropriate safety glasses or chemical goggles

**Respiratory Protection**

Use respirator approved by NIOSH

**Skin Protection**

Use appropriate clothing, footwear, and gloves when handling material to protect hands, exposed skin, and feet.
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Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical Appearance</th>
<th>Multi-colored engineered stone (quartz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>n/a</td>
</tr>
<tr>
<td>Density</td>
<td>2.3 – 2.4 g/cm</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

<table>
<thead>
<tr>
<th>Chemical Stability</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Incompatibility</td>
<td>Hydrofluoric acid</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Upon decomposition hydrocarbons, carbon dioxide, carbon monoxide, and water may be released. Fumes of metal oxides and mica particles may also be released.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

Section 11 – Toxicological Information

The dust and powder generated as a result of fabricating quartz surfacing contains silica (SiO₂).

Long term exposure to inhaled crystalline silica may cause severe damage to health including pulmonary fibrosis and silicosis as well as the deterioration of other lung diseases such as bronchitis and emphysema. Silicosis may increase the risk of lung cancer.

Section 12 – Ecological Information

| Environmental Toxicity | No detrimental environmental impact known. Toxicity expected to be low based on insolubility in water. |

Section 13 – Disposal Considerations

Waste should be disposed of according to local, state, and federal regulations.

Section 14 – Transport Information

Transport of product is not regulated.
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Section 15 – Regulatory Information

Finished product is not regulated.

Section 16 – Other Information


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