Vadara Quartz Surfaces
by US Surfaces

CLASSIFICATION: 12.36.61.19 Quartz Agglomerate Countertops; 06.61.19 Quartz Surfacing Fabrications

PRODUCT DESCRIPTION: Vadara Quartz is a natural quartz surfacing product with a wide range of applications for both residential and commercial installations including: horizontal work surfaces, countertops, vanities, showers. Vadara Quartz is non-porous and does not support the growth of bacteria or mildew. Vadara quartz is heat and scratch resistant. Vadara Quartz is manufactured in slab form in various thicknesses and lengths.

Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

INVENTORY AND SCREENING NOTES:
Inventory and Screen Notes are provided in sections 2.2.1.7 Materials or Product Notes, 2.2.2.9 Substance Notes or in the General Notes section 5

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: GreenGuard - Gold (previously Children & Schools)
Material content migration: ANSI/NSF 51-2012 Food equipment materials

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.
This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

**VADARA QUARTZ SURFACES**

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were considered for all Vadara Quartz products

**OTHER PRODUCT NOTES:** Vadara Quartz Surfaces are manufactured as a non-porous homogeneous material suitable for virtually any interior applications in Healthcare, Education, Food Service, Retail and General Commercial environments. Vadara Quartz is composed of natural quartz and polyester resins. Vadara Quartz is NSF/ANSI Standard 51 approved for all food zone applications and is Green Guard Gold certified under UL 2818-2013.
**QUARTZ**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-19  
**ID:** 14808-60-7

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.0000 - 95.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Natural Quartz Basic material</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **CANCER**
  - US CDC - Occupational Carcinogens: Occupational Carcinogen
  - CA EPA - Prop 65: Carcinogen - specific to chemical form or exposure route
  - IARC: Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
  - US NH - Report on Carcinogens: Known to be Human Carcinogen (respirable size - occupational setting)
  - MAK: Carcinogen Group 1 - Substances that cause cancer in man
  - New Zealand - GHS: 6.7A - Known or presumed human carcinogen
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350 - May cause cancer
  - Australia - GHS: H251X - May cause cancer by inhalation

**WARNINGS**

**SUBSTANCE NOTES:** Vadara Quartz in its finished form is an article and is non-toxic and non-allergenic to humans. The percentage range as provided due to a variety of colors provided.

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**POLYESTER (POLYESTER RESIN)**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-19  
**ID:** 113669-95-7

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</thead>
<tbody>
<tr>
<td>7.0000 - 15.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Binding Agent</td>
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</tbody>
</table>

**HAZARD TYPE**

- **CANCER**
  - US CDC - Occupational Carcinogens: Occupational Carcinogen
  - CA EPA - Prop 65: Carcinogen - specific to chemical form or exposure route
  - IARC: Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
  - US NH - Report on Carcinogens: Known to be Human Carcinogen (respirable size - occupational setting)
  - MAK: Carcinogen Group 1 - Substances that cause cancer in man
  - New Zealand - GHS: 6.7A - Known or presumed human carcinogen
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350 - May cause cancer
  - Australia - GHS: H251X - May cause cancer by inhalation

**WARNINGS**

**SUBSTANCE NOTES:** Use of Polyester resin varies throughout product range based on design considerations and size of natural quartz aggregates used in manufacturing. Unsaturated polyesters are used in manufacturing and contain styrene monomer acting as a solvent.

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**SILICA, CHRISTOBALITE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-19  
**ID:** 14464-46-1

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<th>GS</th>
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<th>ROLE</th>
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</thead>
<tbody>
<tr>
<td>0.0000 - 25.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Natural Quartz Basic material</td>
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</table>

**HAZARD TYPE**

- **CANCER**
  - US CDC - Occupational Carcinogens: Occupational Carcinogen
  - CA EPA - Prop 65: Carcinogen - specific to chemical form or exposure route
  - IARC: Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
  - US NH - Report on Carcinogens: Known to be Human Carcinogen (respirable size - occupational setting)
  - MAK: Carcinogen Group 1 - Substances that cause cancer in man
  - New Zealand - GHS: 6.7A - Known or presumed human carcinogen
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350 - May cause cancer
  - Australia - GHS: H251X - May cause cancer by inhalation

**WARNINGS**

**SUBSTANCE NOTES:** Vadara Quartz in its finished form is an article and is non-toxic and non-allergic to humans. The percentage range as provided due to a variety of colors provided.

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**TITANIUM DIOXIDE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-19  
**ID:** 13463-67-7

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<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 4.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment/Colorant</td>
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</table>

**HAZARD TYPE**

- **CANCER**
  - US CDC - Occupational Carcinogens: Occupational Carcinogen
  - CA EPA - Prop 65: Carcinogen - specific to chemical form or exposure route
  - IARC: Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
  - MAK: Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**WARNINGS**

**ENDOCRINE**

- TEDX - Potential Endocrine Disruptors: Potential Endocrine Disruptor

**SUBSTANCE NOTES:** Vadara Quartz in its finished form is an article and is non-toxic and non-allergic to humans. The percentage range as provided due to a variety of colors provided.
Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>GreenGuard - Gold (previously Children &amp; Schools)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY</td>
<td>Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES</td>
<td>ALL</td>
</tr>
<tr>
<td>CERTIFICATE URL</td>
<td><a href="http://productguide.ulenvironment.com/?ProductDetail.aspx">http://productguide.ulenvironment.com/?ProductDetail.aspx</a>?</td>
</tr>
<tr>
<td>ISSUE DATE</td>
<td>2014-06-27</td>
</tr>
<tr>
<td>EXPIRY DATE</td>
<td>2020-06-27</td>
</tr>
<tr>
<td>CERTIFIER OR LAB</td>
<td>UL Environment</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES</td>
<td>Certification renewed as required. Current certification is UL 2818-2013</td>
</tr>
</tbody>
</table>

VOC EMISSIONS

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>GreenGuard - Indoor Air Quality Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY</td>
<td>Third Party</td>
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<tr>
<td>APPLICABLE FACILITIES</td>
<td>ALL</td>
</tr>
<tr>
<td>CERTIFICATE URL</td>
<td><a href="https://spot.ul.com/main-app/products/detail/5ad1eaea55b0e682d946a568d7">https://spot.ul.com/main-app/products/detail/5ad1eaea55b0e682d946a568d7</a></td>
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<td>ISSUE DATE</td>
<td>2014-06-27</td>
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<tr>
<td>EXPIRY DATE</td>
<td>2020-06-27</td>
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<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES</td>
<td>Certification renewed as required. Current certification is UL 2818-2013</td>
</tr>
</tbody>
</table>

MATERIAL CONTENT MIGRATION

<table>
<thead>
<tr>
<th>MATERIAL CONTENT MIGRATION</th>
<th>ANSI/NSF 51-2012 Food equipment materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY</td>
<td>Third Party</td>
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<tr>
<td>APPLICABLE FACILITIES</td>
<td>ALL</td>
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<td>CERTIFICATE URL</td>
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<tr>
<td>ISSUE DATE</td>
<td>2014-08-01</td>
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<tr>
<td>EXPIRY DATE</td>
<td>CERTIFIER OR LAB</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES</td>
<td>Certification renewed as required. Vadara Colors are ANSI/NSF Standard 51 Certified for Food Zone.</td>
</tr>
</tbody>
</table>

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<table>
<thead>
<tr>
<th>SEAM-IT SEAMING ADHESIVE</th>
<th>No HPD Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPD URL</td>
<td>No HPD Available</td>
</tr>
<tr>
<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</td>
<td>Seam-It Seaming adhesive is recommended for use with Vadara Quartz Surfaces and is produced in a range of colors to match Vadara quartz slab materials. Seam-It adhesive creates high strength seams resulting in a superior material bond. Seam-It is GreenGuard Gold Certified under UL 2818-2013 and certificate # is 69749420</td>
</tr>
</tbody>
</table>

Section 5: General Notes

Vadara Quartz is manufactured in slab form in both 2CM and 3CM thickness and provides a non-porous, homogeneous material comprised of natural quartz and polyester resins yielding a through body color, not laminated, coated or of composite construction. Vadara Quartz in its finished form is nontoxic and non-allergenic to humans and can be used in a variety of interior applications in Healthcare, Education, Food Service, Retail, General Commercial environments. Vadara is UL Environment Green Guard Gold certified under UL2818-2013 For more information about Vadara Quartz please contact us directly or website at www.vadaraquartz.com
### Manufacturer Information

**Manufacturer:** US Surfaces  
**Address:** 4601 Spicewood Springs Road Building 1-Suite 100  
**Austin, TX 78759, United States**  
**Website:** 4601 Spicewood Springs Road, Building 1-Suite 100

**Contact Name:** Ed Rogers  
**Title:** Vice President-Business Development  
**Phone:** 5057103999  
**Email:** edr@ussurfaces.com

### Key

- **OSHA MSDS:** Occupational Safety and Health Administration Material Safety Data Sheet  
- **GHS SDS:** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

- **AQU:** Aquatic toxicity  
- **CAN:** Cancer  
- **DEV:** Developmental toxicity  
- **END:** Endocrine activity  
- **EYE:** Eye irritation/irritivity  
- **GEN:** Gene mutation  
- **GLO:** Global warming  
- **MAM:** Mammalian/systemic/organ toxicity  
- **MUL:** Multiple hazards  
- **NEU:** Neurotoxicity  
- **OZO:** Ozone depletion  
- **PHY:** Physical Hazard (reactive)  
- **REP:** Reproductive toxicity  
- **RES:** Respiratory sensitization  
- **SKI:** Skin sensitization/irritation/corrosivity  
- **LAN:** Land Toxicity  
- **END:** Endocrine activity  
- **EYE:** Eye irritation/irritivity  
- **GEN:** Gene mutation  
- **GLO:** Global warming  
- **MAM:** Mammalian/systemic/organ toxicity  
- **MUL:** Multiple hazards  
- **NEU:** Neurotoxicity  
- **OZO:** Ozone depletion  
- **PHY:** Physical Hazard (reactive)  
- **REP:** Reproductive toxicity  
- **RES:** Respiratory sensitization  
- **SKI:** Skin sensitization/irritation/corrosivity  
- **LAN:** Land Toxicity  
- **NF:** Not found on Priority Hazard Lists

### GreenScreen (GS)

- **BM-4 Benchmark 4** (prefer-safer chemical)  
- **BM-3 Benchmark 3** (use but still opportunity for improvement)  
- **BM-2 Benchmark 2** (use but search for safer substitutes)  
- **BM-1 Benchmark 1** (avoid - chemical of high concern)  
- **BM-U Benchmark Unspecified** (insufficient data to benchmark)

### Recycled Types

- **PreC** Preconsumer (Post-Industrial)  
- **PostC** Postconsumer  
- **Both** Both Preconsumer and Postconsumer  
- **Unk** Inclusion of recycled content is unknown  
- **None** Does not include recycled content

### Other Terms

**Inventory Methods:**
- Nested Method / Material Threshold: Substances listed within each material per threshold indicated per material  
- Nested Method / Product Threshold: Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

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The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- A method for the assessment of exposure or risk associated with product handling or use,  
- A method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.