Caesarstone Surfaces
by Caesarstone

CLASSIFICATION: 12 36 61.19 Furnishings: Quartz Agglomerated Countertops

PRODUCT DESCRIPTION: Caesarstone Ltd. manufactures premium quartz surfaces, which are used in both residential and commercial projects as countertops, vanities, wall cladding, floors and other interior surfaces. Caesarstone combines beauty with outstanding performance, enabling you to bring your design imagination to life. This HPD covers Caesarstone Surfaces in all available models and colors.

Section 1: Summary

Basic Method / Product Threshold

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

All Substances Above the Threshold Indicated Are:

Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances except SC substances characterized according to SC guidance.

Screened
- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified
- Yes Ex/SC
- Yes
- No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
CAESARSTONE SURFACES | QUARTZ (QUARTZ/SILICA) | LT-1 | CAN | UNDISCLOSED
UNDISCLOSED | NoGS | UNDISCLOSED | LT-UNK | UNDISCLOSED | LT-1 | RES | CAN | MUL | GEN | REP | FELDSPAR | LT-UNK | RES | SC:MIXED RECYCLED
GLASS/MIRROR | Not Screened | FERRIC OXIDE YELLOW | LT-UNK | UNDISCLOSED | LT-P1 | MUL | UNDISCLOSED | LT-P1 | MUL | CARBON BLACK | LT-1 | CAN | TITANIUM DIOXIDE | LT-1 | CAN | END | KAOLIN, CALCINED | LT-UNK | FERRIC OXIDE | BM-2 | CAN | ULTRAMARINE (PIGMENT) | LT-UNK | SILICIC ACID, ALUMINUM SODIUM SALT, SULFURIZED | LT-UNK | RES | IRON OXIDE | LT-UNK | CAN | IRON MANGANESE TRIOXIDE | NoGS | TALC | (TALC SAND) | BM-1 | CAN | SC:BASALT GRAVEL | Not Screened |

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Special conditions applied: MixedRecycledContent, GeologicalMaterial

[LEED v4] “Yes ex/SC” result is due only to materials and substances for which Special Conditions were applied. Thus “Yes ex/SC” does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

Substances not identified by name and CAS number are held as proprietary by the manufacturer. All substances include percent by weight and role in product, and have been screened for hazards.

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: UL/GreenGuard Gold Certified
Other: ANSI/NSF 51 - Food Equipment Materials

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2019-05-01
PUBLISHED DATE: 2019-05-07
EXPIRY DATE: 2022-05-01
Section 2: Content in Descending Order of Quantity

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](http://www.hpd-collaborative.org/hpd-2-1-standard)

CAESARSTONE SURFACES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: Emerging Best Practices for considering residuals and impurities were followed. To the best of our knowledge, no residuals or impurities are expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS that are not otherwise disclosed as intentionally added ingredients (e.g. Quartz/Silica). This review was based on information provided via product testing and from our suppliers. Pharos CML was referenced when information on residuals and impurities was otherwise not available.

OTHER PRODUCT NOTES: Percent by weight of substances given as ranges to account for the wide variety of aggregates and colors available. A lower value of 0% indicates that a substance is not always used in every surface formulation.

QUARTZ (QUARTZ/SILICA)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-05-01

ID: 14808-60-7

<table>
<thead>
<tr>
<th>%: 65.00 - 93.00</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Aggregate; Residual/Impurity</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>New Zealand - GHS</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Silicate aggregate. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product. May also include the following CASRNs: 60676-86-0 [LT-1 | CAN]; 14464-46-1 [LT-1 | CAN]. May represent possible impurity present in other raw materials.
<table>
<thead>
<tr>
<th>Substance</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder Resin</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-05-01</td>
<td>7.00 - 14.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Binder Resin</td>
<td></td>
<td>No hazards found</td>
<td></td>
</tr>
<tr>
<td>Coupling Agent</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-05-01</td>
<td>0.80 - 1.50</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Coupling Agent</td>
<td></td>
<td>No hazards found</td>
<td></td>
</tr>
<tr>
<td>Accelerator</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-05-01</td>
<td>0.20 - 0.30</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Accelerator</td>
<td></td>
<td>Asthmagens (G) - generally accepted</td>
<td>CANCER - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogen</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Substance identity to remain proprietary to manufacturer. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Other CASRNs that may apply to this substance include [Proprietary CASRN; NoGS | NO]; [Proprietary CASRN; LT-UNK | NO]; [Proprietary CASRN; NoGS | NO].
**FELDSPAR**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 15.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Aggregate</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**RESPIRATORY**  
**AOEC - Asthmagens**  
Asthmagens (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Pharos CML lists the following as "Known or Potential Residuals" for Feldspar; however, as these substances are all "Integral/Frequent Components" of Feldspar, they are listed here instead of as individual substance entries: Aluminum Oxide (1344-28-1; BM-2; Unknown %); Barium Oxide, Anhydrous (1304-28-5; LT-UNK; Unknown %); Calcium Oxide (1305-78-8; LT-P1; 0.70-1.40%); Dipotassium Oxide (12136-45-7; LT-UNK; 0.10-0.70%); Ferrous Oxide (1345-25-1; LT-UNK; 0.10%); Magnesium Oxide (1309-48-4; LT-UNK; Unknown %); Silica, Amorphous (7631-86-9; LT-P1; 60.7-68.3%); Silica, Vitreous (11126-22-0; LT-UNK; Unknown %); Sodium Oxide (1313-59-3; LT-UNK; 3.0-9.8%); Strontium Oxide (1314-11-0; LT-UNK; Unknown %). Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

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**SC:MIXED RECYCLED GLASS/MIRROR**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 42.00</td>
<td>Not Screened</td>
<td>Both</td>
<td>No</td>
<td>Aggregate</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**Hazard Screening not performed**

**SUBSTANCE NOTES:**

- **Version:** SCMixedRC/2018-02-23
- Is regular, analytical testing performed on the substance?: No  
  Information provided by supplier.
- **BatchVariation:** See Substance Notes
- **SourceofOrigin:** Spain
- **Why is there limited information?:** See Substance Notes

This disclosure does not provide information on the potential presence of hazardous substances which may be found in certain mixed recycled materials.

From supplier: All glass waste we receive is sorted, cleaned and treated with the best available technologies for glass recycling process. In the first phase of the treatment, all the impurities are extracted from the input flow, such as plastic packaging, lids, corks, stones, ceramic components, paper, etc. The metal elements are automatically extracted using permanent magnets and Foucault based machines. Then the glass is sieved according to its grain size using various sieve machines (screenings). Several optical system sensors automatically sort and remove the foreign objects such as ceramic elements and stones from the glass flow. Because the technology of the glass sorting machines is constantly progressing, we actively cooperate with the leading companies of artificial vision devices, adapting our machinery to use the best techniques available at all times. The fine glass is free from contaminants and is of the highest quality in all aspects: purity, size distribution, color and clarity.

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**FERRIC OXIDE YELLOW**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 1.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Pigments and Related Additives</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

No hazards found
### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.50 - 2.50</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Initiator</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Substance identity to remain proprietary to manufacturer. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50 - 5.00</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Crosslinking Agent</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Substance to remain proprietary to manufacturer. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

### CARBON BLACK

**ID:** 1333-86-4

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-05-01

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 1.00</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigments and Related Additives</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

**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 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.
### TITANIUM DIOXIDE

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2019-05-01 |
|---------------------------------------------------------------------------------------------------------------|
| **%:** 0.00 - 4.00 | **GS:** LT-1 | **RC:** None | **NANO:** No | **ROLE:** Pigments and Related Additives |

**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

**ENDOCRINE**
- TEDX - Potential Endocrine Disruptors: Potential Endocrine Disruptor

**CANCER**
- MAK: Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
- MAK: Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** Identified on the US EPA Safer Chemical Ingredient List. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

### KAOLIN, CALCINED

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2019-05-01 |
|---------------------------------------------------------------------------------------------------------------|
| **%:** 0.00 - 0.20 | **GS:** LT-UNK | **RC:** None | **NANO:** No | **ROLE:** Pigments and Related Additives |

**HAZARD TYPE**
- **CANCER**
  - MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:**
- No hazards found

### FERRIC OXIDE

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2019-05-01 |
|---------------------------------------------------------------------------------------------------------------|
| **%:** 0.00 - 1.00 | **GS:** BM-2 | **RC:** None | **NANO:** No | **ROLE:** Pigments and Related Additives |

**HAZARD TYPE**
- **CANCER**
  - MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

### ULTRAMARINE (PIGMENT)

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2019-05-01 |
|---------------------------------------------------------------------------------------------------------------|
| **%:** | **GS:** | **RC:** None | **NANO:** No | **ROLE:** Pigments and Related Additives |

**HAZARD TYPE**
- **CANCER**
  - MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:**
- GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool. Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2019-05-01

SILICIC ACID, ALUMINUM SODIUM SALT, SULFURIZED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.00 - 0.50</td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td>RC: None</td>
</tr>
<tr>
<td>ROLE: Pigments and Related Additives</td>
<td></td>
</tr>
</tbody>
</table>

**WARNINGS**

RESPIRATORY

AOEC - Asthmagens

Asthagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

IRON OXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.00 - 1.00</td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td>RC: None</td>
</tr>
<tr>
<td>ROLE: Pigments and Related Additives</td>
<td></td>
</tr>
</tbody>
</table>

**WARNINGS**

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product.

IRON MANGANESE TRIOXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.00 - 1.00</td>
<td></td>
</tr>
<tr>
<td>GS: NoGS</td>
<td>RC: None</td>
</tr>
<tr>
<td>ROLE: Pigments and Related Additives</td>
<td></td>
</tr>
</tbody>
</table>

**WARNINGS**

No hazards found

**SUBSTANCE NOTES:** C.I. Pigment Black 33.
### BM-1

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.00 - 4.50</td>
</tr>
<tr>
<td>GS:</td>
<td>BM-1</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>ROLE:</td>
<td>Aggregate</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td></td>
<td>Group 2b - Possibly carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td></td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Current GreenScreen® Benchmark Score based on form-specific hazards (Inhalation). GreenScreen® Assessment for Talc (CAS# 14807-96-6) assigns the following GreenScreen® Benchmark Scores for Relevant Routes of Exposure: Oral (BM-3DG); Dermal (BM-U). Substance is encapsulated in a polymer matrix, and thus form-specific hazards are not expected to apply to the finished and installed product. Talc sand not used in every surface formulation.

### SC: BASALT GRAVEL

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.00 - 8.30</td>
</tr>
<tr>
<td>GS:</td>
<td>Not Screened</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>ROLE:</td>
<td>Aggregate</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING not performed</td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

Version: SCGeoMats/2018-02-23
Origin: Israel
Typical Composition: 46.6% SiO2; 14.5% Al2O3; 12.5% FeO3; 10.4% CaO; 3.4% MgO; 3.7% Na2O; 1.0% K2O
Potential presence of toxic metals: None reported
Presence of Radioactive Elements: None reported

Basalt gravel not used in every surface formulation.
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.

**VOC EMISSIONS**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>UL/GreenGuard Gold Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Sdot-Yam, ISRAEL; Bar-Lev, ISRAEL; Richmond Hill, GA, USA</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="http://certificates.ulenvironment.com/default.aspx?id=5464&amp;t=cs">http://certificates.ulenvironment.com/default.aspx?id=5464&amp;t=cs</a></td>
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<tr>
<td>ISSUE DATE:</td>
<td>2008-08-05</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2019-08-05</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
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</tbody>
</table>

**OTHER**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>ANSI/NSF 51 - Food Equipment Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
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<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Richmond Hill, GA, USA; Misgav, ISRAEL; M.P. Menashe, ISRAEL</td>
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<tr>
<td>ISSUE DATE:</td>
<td>2016-06-10</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
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<tr>
<td>CERTIFIER OR LAB:</td>
<td>NSF International</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Establishes minimum public health and sanitation requirements for materials used in the construction of commercial food equipment. The requirements are based on U.S. FDA regulations.</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.

**100% SILICONE ADHESIVE**

| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: | To attach countertop to kitchen units; to seal space between countertop and wall. |
| HPD URL: | No HPD available |

**POLYESTER RESIN ADHESIVE**

| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: | To seal seams. Epoxy-Modified Acrylic Adhesive can also be used. |
| HPD URL: | No HPD available |
MANUFACTURER INFORMATION

MANUFACTURER: Caesarstone
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CONTACT NAME: Caroline Newman
TITLE: Marketing
PHONE: +972-4-610-9368
EMAIL: Caroline.Newman@caesarstone.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/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PHY Physical Hazard (reactive)
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)

LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

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 within each material per threshold indicated per product
Basic 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

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.