Caesarstone Outdoor Surfaces
by Caesarstone

HPD UNIQUE IDENTIFIER: 20912
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 and other external surfaces. Caesarstone combines beauty with outstanding performance, enabling you to bring your design imagination to life. This HPD covers Caesarstone Outdoor Surfaces in all available models and colors.

Section 1: Summary

<table>
<thead>
<tr>
<th>CONTENT IN DESCENDING ORDER OF QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY |
---|---|---|
CAESARSTONE OUTDOOR SURFACES | QUARTZ LT-1 | CAN |
| UNDISCLOSED | NoGS | UNDISCLOSED | LT-UNK | PHY | SKI | EYE |
| UNDISCLOSED | LT-UNK | FERRIC OXIDE YELLOW | LT-UNK | TITANIUM |
| DIOXIDE LT-1 | CAN | END FERRIC OXIDE BM-2 | CAN | IRON OXIDE LT-UNK | CAN |
| CARBON BLACK LT-1 | CAN |

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: 2019-10-23
PUBLISHED DATE: 2020-07-06
EXPIRY DATE: 2022-10-23
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 2.1.1, available on the HPD Collaborative website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### CAESARSTONE OUTDOOR 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 models and colors available. A lower value of 0% indicates that a substance is not always used in every surface formulation.

#### QUARTZ

**ID:** 14808-60-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-10-23

<table>
<thead>
<tr>
<th>%:</th>
<th>75.0000 - 93.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GS:</strong></td>
<td>LT-1</td>
</tr>
<tr>
<td><strong>RC:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>NANO:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong></td>
<td>Filler</td>
</tr>
</tbody>
</table>

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
CANCER | IARC | Group 1 - Agent is Carcinogenic to humans
CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen
CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route
CANCER | IARC | Group 1 - Agent is carcinogen to humans - inhaled from occupational sources
CANCER | US NIH - Report on Carcinogens | Known to be Human Carcinogen (respirable size - occupational setting)
CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man
CANCER | GHS - New Zealand | 6.7A - Known or presumed human carcinogens
CANCER | GHS - Japan | Carcinogenicity - Category 1A [H350]
CANCER | GHS - Australia | H350i - May cause cancer by inhalation

**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 CASRN: 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 Notes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDISCLOSED</td>
<td>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</td>
</tr>
<tr>
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<td>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.</td>
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<td>UNDISCLOSED</td>
<td>Substance identity to remain proprietary to manufacturer. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.</td>
</tr>
<tr>
<td>FERRIC OXIDE YELLOW</td>
<td></td>
</tr>
<tr>
<td>Substance Notes</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
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</tbody>
</table>
### TITANIUM DIOXIDE

**ID:** 13463-67-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-10-23  
**%:** 0.0000 - 4.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Pigment

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<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 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**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.

### FERRIC OXIDE

**ID:** 1309-37-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-10-23  
**%:** 0.0000 - 1.0000  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Pigment

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</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-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.

### IRON OXIDE

**ID:** 1317-61-9  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-10-23  
**%:** 0.0000 - 1.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Pigment

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>
**CARBON BLACK**

**ID:** 1333-86-4

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-10-23

<table>
<thead>
<tr>
<th>%: 0.0000 - 1.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE** | AGENCY AND LIST TITLES | WARNINGS |
---|---|---|
CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
CANCER | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources |
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.
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>UL Environment</td>
<td></td>
</tr>
</tbody>
</table>

**Certification and Compliance Notes:** Certificate Number 5464-420. UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

**OTHER**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>ANSI/NSF 51 - Food Equipment Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF International</td>
<td></td>
</tr>
</tbody>
</table>

**Certification and Compliance Notes:** 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.

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.

**Polyester Resin Adhesive**

**Condition When Recommended or Required and/or Other Notes:**
To seal seams. Epoxy-Modified Acrylic Adhesive can also be used.
MANUFACTURER INFORMATION

MANUFACTURER: Caesarstone
ADDRESS: Kibbutz Sdot Yam
Sdot Yam HAIFA 3780400 3780400, Israel
WEBSITE: www.caesarstone.com

CONTACT NAME: Victor Malchenco
TITLE: Chief Technology Engineer
PHONE: +972406109229
EMAIL: victorm@caesarstone.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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 for 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.