

CLASSIFICATION: 03 40 00 Precast Concrete

PRODUCT DESCRIPTION: IceStone is a pre-cast durable surface made from recycled glass, portland cement, and pigments. IceStone slabs measure 52.5" x 96" x 1.25", and are fabricated and installed according to specification by certified stone fabricators. The most common applications of IceStone are countertops, bathroom vanities, and commercial office work tops. There are 16 standard IceStone colors

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities
Considered in 3 of 3 Materials

Explanation(s) provided
for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

GLASS [**GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)**] **LT-UNK**] **CEMENT** [**PORTLAND CEMENT**] **LT-P1** | **END** | **CAN SILICA, AMORPHOUS** **LT-P1** | **CAN**] **WATER** [**WATER**] **NoGS** **C.I. PIGMENT BLUE 28** **LT-1** | **RES** | **CAN** | **GEN**]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The HPD includes VOC testing results, Cradle to Cradle and NSF certification documents, and SDS details.

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: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

Other: ANSI/NSF 51-2012 Food equipment materials

Multi-attribute: Cradle to Cradle Certified - Silver (V3.1)

Multi-attribute: Cradle to Cradle Certified - Bronze (V3.1)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-08-08

PUBLISHED DATE: 2018-08-08

EXPIRY DATE: 2021-08-08



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

GLASS %: **HPD URL: <https://icestone-w44gik7masoytucikmmuiw7prdh4wh1en07wbtpskb.netdna-ssl.com/wp-content/uploads/2015/04/Icestone-SDS-US-11-19-14.pdf>**
75.0000 - 75.0000

MATERIAL RESIDUALS AND IMPURITIES CONSIDERED: **Yes**
 THRESHOLD:
Other

RESIDUALS AND IMPURITIES NOTES: Glass comprised of: Silicon Dioxide 65-81% Calcium oxide 5-15% Sodium oxide 12-15% Aluminum oxide 1-4% Iron oxide 0-0.5% Magnesium oxide 2-4% Potassium oxide 0.1-0.5% Other oxides

OTHER MATERIAL NOTES: The content of this product was assessed for health hazard warnings as required using Pharos.

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)

ID: **65997-17-3**

%: **0.0000 - 100.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** ROLE: **Aggregate**

HAZARDS: AGENCY(IES) WITH WARNINGS:
 None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Glass comprised of: Silicon Dioxide 65-81% Calcium oxide 5-15% Sodium oxide 12-15% Aluminum oxide 1-4% Iron oxide 0-0.5% Magnesium oxide 2-4% Potassium oxide 0.1-0.5% Other oxides

CEMENT %: **HPD URL: <https://icestone-w44gik7masoytucikmmuiw7prdh4wh1en07wbtpskb.netdna-ssl.com/wp-content/uploads/2015/04/Icestone-SDS-US-11-19-14.pdf>**
15.0000 - 30.0000

MATERIAL RESIDUALS AND IMPURITIES CONSIDERED: **Yes**
 THRESHOLD:
Other

RESIDUALS AND IMPURITIES NOTES: Portland cement comprised of: Tri-Calcium Silicate 20-70% Di-Calcium Silicate 10-60% Tetra-Calcium-Alumino-Ferrite 5-15% Calcium Sulfate 2-10% Tri-Calcium Aluminate 1-15% Magnesium Oxide 0-4% Sulfur 0-4% Titanium Compounds 0-1% Potassium Compounds 0-1% Calcium Oxide 0-0.2% Crystalline Silica 0-0.2% Chromates 0-0.005%

OTHER MATERIAL NOTES: The content of this product was assessed for health hazard warnings as required using Pharos.

PORTLAND CEMENT

ID: **65997-15-1**

%: **0.0000 - 100.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Portland cement comprised of: Tri-Calcium Silicate 20-70% Di-Calcium Silicate 10-60% Tetra-Calcium-Alumino-Ferrite 5-15% Calcium Sulfate 2-10% Tri-Calcium Aluminate 1-15% Magnesium Oxide 0-4% Sulfur 0-4% Titanium Compounds 0-1% Potassium Compounds 0-1% Calcium Oxide 0-0.2% Crystalline Silica 0-0.2% Chromates 0-0.005%

SILICA, AMORPHOUS

ID: 7631-86-9

#: 0.0000 - 0.2000 GS: LT-P1 RC: None NANO: No ROLE: Binder

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Monomer, Portland Cement

WATER

#: 5.0000 - 15.0000 HPD URL: <https://icestone-w44gik7masoytucikmmuiw7prdh4wh1en07wbtpskb.netdna-ssl.com/wp-content/uploads/2015/04/icestone-SDS-US-11-19-14.pdf>

MATERIAL THRESHOLD: Other
RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The content of this product was assessed for health hazard warnings as required using Pharos.

OTHER MATERIAL NOTES: No warnings found on HPD Priority lists

WATER

ID: 558440-22-5

#: 0.0000 - 100.0000 GS: NoGS RC: PreC NANO: No ROLE: Water

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: No warnings found on HPD Priority lists

C.I. PIGMENT BLUE 28

ID: 1345-16-0

#: 0.0000 - 7.0000 GS: LT-1 RC: None NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted

CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: **Pigment**

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

CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2011-09-26** EXPIRY DATE:
CERTIFIER OR LAB: **Berkeley Analytical**
APPLICABLE FACILITIES: **Brooklyn, NY, United States**
CERTIFICATE URL: <http://www.berkeleyanalytical.com>
CERTIFICATION AND COMPLIANCE NOTES:

OTHER

ANSI/NSF 51-2012 Food equipment materials

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2017-10-09** EXPIRY DATE: **2018-10-09** CERTIFIER OR LAB: **NSF International**
APPLICABLE FACILITIES: **Brooklyn, NY, United States**
CERTIFICATE URL: www.nsf.org
CERTIFICATION AND COMPLIANCE NOTES: **The NSF 51 certification applies to all IceStone durable surfaces, and indicates the product's suitability in splash zone areas.**

MULTI-ATTRIBUTE

Cradle to Cradle Certified - Silver (V3.1)

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-07-23** EXPIRY DATE: **2020-07-22** CERTIFIER OR LAB: **C2C Platform**
APPLICABLE FACILITIES: **All**
CERTIFICATE URL: https://www.c2ccertified.org/products/scorecard/icestone_durable_surface
CERTIFICATION AND COMPLIANCE NOTES: **Applies to colors: Alpine White, Forest Fern, Fogbound, Amber Pearl, Pearl Grey, Sage Pearl, Sky Pearl, Snow Flurry, White Pearl, & Latte.**

MULTI-ATTRIBUTE

Cradle to Cradle Certified - Bronze (V3.1)

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-07-10** EXPIRY DATE: **2020-07-09** CERTIFIER OR LAB: **C2C Platform**
APPLICABLE FACILITIES: **All**
CERTIFICATE URL: <https://www.c2ccertified.org/products/scorecard/icestone-bronze-icestone-llc>
CERTIFICATION AND COMPLIANCE NOTES: **Applies to colors: Sapphire Snow, Gotham Grey, & Cobalt Ice**

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.

CHENG CONCRETE COUNTERTOP WAX

HPD URL: <http://store.concreteexchange.com/cheng->

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

CHENG Concrete Countertop Wax helps prevent etching on the surface. IceStone LLC recommends this product for all installations. CHENG Concrete Countertop Wax should be applied anytime IceStone surfaces are resealed. For SDS information: http://store.concreteexchange.com/CHENG-Concrete-Online-Store_5/Concrete-Sealers-Waxes-Care-Products/CHENG-Concrete-Countertop-Wax

STONETECH® PROFESSIONAL BULLETPROOF® STONE SEALER

HPD URL: <https://laticrete.com/en/our-products/tile-and-stone-care-and-maintenance/stonetech/protect/stonetech-bulletproof-sealer>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

StoneTech® Professional BulletProof® Stone Sealer helps prevent surface staining. IceStone LLC recommends this product for all installations.

TENAX RIVO 50 A & B FAST EPOXY

HPD URL: <http://www.tenax4you.com/product-p/1rha00bg50.htm>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Rivo 50 A & B is a knife grade epoxy used for seaming, and it can be tinted to match surface color.

CHENG CONCRETE COUNTERTOP POLISH

HPD URL: <http://store.concreteexchange.com/CHENG-Concrete-Countertop-Polish>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

CHENG Concrete Countertop Polish helps strengthen the surface sealer. IceStone LLC recommends this product for all installations.

Section 5: General Notes

IceStone surfaces, as manufactured, are not classified as hazardous per GHS. If IceStone is further processed by grinding, cutting, or other technique, the following GHS classification may be applicable: GHS-US: CARC.1B H350. Follow the manufacturer's recommended guidelines if grinding, cutting, or processing IceStone surfaces in any way.



MANUFACTURER INFORMATION

MANUFACTURER: **IceStone**

ADDRESS: **63 Flushing Ave.**

Building 12, Unit 283

Brooklyn New York 11205, United States

WEBSITE: <http://www.icestoneusa.com>

CONTACT NAME: **Lisa Bowen**

TITLE: **President**

PHONE: **7186244900**

EMAIL: LBowen@icestoneusa.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

PBT Persistent Bioaccumulative Toxic

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)

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.