

HPD UNIQUE IDENTIFIER: (available when published)  
CLASSIFICATION: 04 42 00 Exterior Stone Cladding  
PRODUCT DESCRIPTION: Serpentine Dimension Stone includes natural stone products in a variety of applications. Relevant MasterFormat(r) classifications: 04 41 00 Dry-Placed Stone, 04 42 00 Exterior Stone Cladding, 04 43 00 Stone Masonry, 04 43 16 Masonry Stone Fabrications, 04 43 16 Masonry Stone Fabrications, 09 30 33 Stone Tiling, 09 63 40 Stone Masonry Flooring, 09 75 00 Interior Stone Facing, 12 36 40 Stone Countertops, 32 00 00 Stone Exterior Improvements, 32 14 40 Stone Paving, 32 16 13.43 Stone Curbs, 32 33 00 Site Furnishings, 35 31 16.40 Stone Seawalls, and 35 31 19.40 Stone Revetments

Section 1: Summary Basic Method / Product Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b> <input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method	<b>Threshold Level</b> <input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other	<b>Residuals/Impurities Evaluation</b> <input checked="" type="radio"/> Completed <input type="radio"/> Partially Completed <input type="radio"/> Not Completed <b>Explanation(s) provided :</b> <input checked="" type="radio"/> Yes <input type="radio"/> No	<i>For all contents above the threshold, the manufacturer has:</i> <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided weight and role.</i> <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided screening results using HPDC-approved methods.</i> <b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided name and CAS RN or other identifier.</i>
<b>Threshold Disclosed Per</b> <input type="radio"/> Material <input checked="" type="radio"/> Product			

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
SERPENTINE DIMENSION STONE | SERPENTINE ]

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... None  
Nanomaterial ... No  
**INVENTORY AND SCREENING NOTES:**  
Special Conditions applied: [GeologicalMaterial]  
  
This declaration does not include sealers, fillers, adhesives, backing, or other ingredients that are used by some fabricators and installers. These types of ancillary products are not typically over the 1,000 ppm threshold required for disclosure.

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 V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

☐ Yes  
☒ No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2022-05-26  
PUBLISHED DATE: Not published  
EXPIRY DATE: Not published

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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

Serpentine Dimension Stone

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered based on the Dimension Stone Design Manual. The chemical composition of stone is inherently complex and highly variable or unknown. Stone also has distinct hazard profiles compared to their constituent substances.

OTHER PRODUCT NOTES:

Serpentine      ID: Geological Material

HAZARD DATA SOURCE: HPDC Special Conditions Policy

%: 100.0000      GreenScreen: Not Required      RC: None      NANO: No      MATERIAL ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening is not applicable to this Special Condition		

INGREDIENT DESCRIPTION AND COMPOSITION: Geologically, the “green marbles,” as they are informally known, are the low-level metamorphic stone “serpentinite,” of which the dominant mineral is serpentine. These beautiful and elegant green stones traditionally have been grouped in the commercial marble category. However, they are not true marbles.

COUNTRY OF ORIGIN: worldwide

RADIOACTIVE ELEMENTS: Unknown

POTENTIAL PRESENCE OF TOXIC METALS: Unknown

MATERIAL CONTENT NOTES: This disclosure does not provide potential presence of radioactive elements which may be found in certain geological materials.  
This disclosure does not provide potential presence of toxic metals which may be found in certain geological materials.

### 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 V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
CERTIFYING PARTY: Self-declared		ISSUE DATE: 2022-01-21 00:00:00	CERTIFIER OR LAB: n/a
APPLICABLE FACILITIES: n/a		EXPIRY DATE:	
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: LEED v4.1 Low-Emitting Materials: Product is an inherently nonemitting source of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) and has no binders, surface coatings, or sealants that include organic chemicals.			

### 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.*

No accessories are required for this product.

### Section 5: General Notes

Related Natural Dimension Stone HPDs:  
Granite, Marble, Limestone, Quartzite, Travertine, Soapstone, Slate, Onyx, Sandstone, Bluestone, Serpentine, Schist, Basalt.

## MANUFACTURER INFORMATION

MANUFACTURER: **Natural Stone Institute**  
 ADDRESS: **380 E Lorain St**  
**Oberlin, OH 44074**  
 COUNTRY: **United States**

WEBSITE: **<https://naturalstoneinstitute.org>**  
 CONTACT NAME: **Sarah B Gregg**  
 TITLE: **Marketing Director**  
 PHONE: **14402509222**  
 EMAIL: **[sarah@naturalstoneinstitute.org](mailto:sarah@naturalstoneinstitute.org)**

*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

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

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### 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 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*

