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
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

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
--- | --- | ---
DUROCK® CEMENT BOARD | PORTLAND CEMENT LT-P1 | CAN | END
PERLITE LT-UNK | CAN | END
GYPSUM BM-3dg | CAN | END
SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN | UNDISCLOSED
QUARTZ BM-1 | CAN | FLY ASH LT-UNK | UNDISCLOSED
EXPANDED SHALE NoGS | LT-UNK | SC:EXPANDED
SLATE 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: 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.

Residuals/Impurities in raw materials that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS are displayed in the HPD when greater than or equal to 1000 ppm. USG uses an outside lab to quantify potential impurities of raw materials. Analytical methods may include but are not limited to; x-ray diffraction, x-ray fluorescence, atomic absorption, ion chromatography, liquid chromatography, and crystalline silica analysis.

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: NA

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: 2022-03-17
PUBLISHED DATE: 2022-03-17
EXPIRY DATE: 2025-03-17
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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

---

### DUROCK® CEMENT BOARD

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Raw materials in this product contain respirable crystalline silica as an impurity. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing. Percent may change due to manufacturing variations. Residuals/Impurities considered at 1000 ppm.

**OTHER PRODUCT NOTES:** This product is manufactured at Baltimore, MD, Detroit, MI, and New Orleans, LA.

---

### PORTLAND CEMENT

**ID:** 65997-15-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-03-17 9:54:49

<table>
<thead>
<tr>
<th>%: 30.0000 - 50.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>CAN</td>
<td></td>
<td></td>
<td></td>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
<td></td>
<td>Potential Endocrine Disruptor</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Percent range due to manufacturing variations. This raw material may contain trace amounts of quartz. See the quartz impurity/residual entry for more information.

---

### PERLITE

**ID:** 93763-70-3

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-03-17 9:54:50

<table>
<thead>
<tr>
<th>%: 5.0000 - 10.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
<td></td>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This raw material may contain trace amounts of quartz. See the quartz impurity/residual entry for more information.

---

### GYPSUM

**ID:** 13397-24-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-03-17 9:54:50

<table>
<thead>
<tr>
<th>%: 3.0000 - 5.0000</th>
<th>GS: BM-3dg</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Tensile strength additive</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
<td></td>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This raw material may contain trace amounts of quartz. See the quartz impurity/residual entry for more information.
SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
**HAZARD SCREENING DATE:** 2022-03-17 9:54:51

**%:** 1.0000 - 5.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Stabilizer

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

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
**HAZARD SCREENING DATE:** 2022-03-17 9:54:51

**%:** 0.5000 - 1.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Activator

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

**SUBSTANCE NOTES:** Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
**HAZARD SCREENING DATE:** 2022-03-17 9:54:52

**%:** 0.1000 - 0.5000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Tensile strength additive

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

**SUBSTANCE NOTES:** Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
**HAZARD SCREENING DATE:** 2022-03-17 9:54:52

**%:** 0.1000 - 0.5000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Processing regulator

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

**END**  
TEDX - Potential Endocrine Disruptors  
**Potential Endocrine Disruptor**

RES  
AOEC - Asthmagens  
**Asthmagen (Rs) - sensitizer-induced**

**SUBSTANCE NOTES:** Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**QUARTZ**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
**HAZARD SCREENING DATE:** 2022-03-17 9:54:53

**%:** Impurity/Residual  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CAN</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CAN</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CAN</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CAN</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CAN</td>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CAN</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CAN</td>
<td>GHS - Japan</td>
<td>H350 - May cause cancer [Carcinogenicity - Category 1A]</td>
</tr>
<tr>
<td>CAN</td>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Impurity found in naturally occurring raw materials.

**FLY ASH**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
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<tbody>
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<td>HAZARD SCREENING DATE</td>
<td>2022-03-17 9:54:53</td>
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<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 15.0000</th>
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</thead>
<tbody>
<tr>
<td>GS</td>
<td>LT-UNK</td>
</tr>
<tr>
<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**None found**

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING DATE</td>
<td>2022-03-17 9:54:54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 0.5000</th>
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<tbody>
<tr>
<td>GS</td>
<td>LT-P1</td>
</tr>
<tr>
<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Dispersant</td>
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</table>

**PBT**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>EC - CEPA DSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and inherently Toxic (PBITH) to humans</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Proprietary ingredient. Living Building Challenge Red List v4 substance. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**PUMICE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING DATE</td>
<td>2022-03-17 9:54:54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 40.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS</td>
<td>LT-UNK</td>
</tr>
<tr>
<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**DUROCK Cement Board**

hpdrepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 4 of 7
HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
None found | | No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

EXPANDED SHALE
ID: 68476-95-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2022-03-17 9:54:55

%: 0.0000 - 40.0000
GS: NoGS
RC: None
NANO: No
SUBSTANCE ROLE: Filler

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
None found | | No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This raw material accounts for one of the raw materials that may be used as a primary aggregate. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

UNDISCLOSED
ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2022-03-17 9:54:55

%: 0.0000 - 0.2000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Dispersant

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
None found | | No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Proprietary ingredient. No residuals/impurities at 1000 ppm

SC:EXPANDED SLATE
ID: SC:GeoMat

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: Not Screened

%: 0.0000 - 40.0000
GS: Not Screened
RC: None
NANO: No
SUBSTANCE ROLE: Filler

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
None found | | Hazard Screening not performed

SUBSTANCE NOTES:
Version: SCGeoMats/2019-06-20
Origin: United States
Typical Composition: Shale, clay, and volcanic ash
Potential presence of toxic metals: This raw material may contain trace amounts of quartz.
Presence of Radioactive Elements: This disclosure does not provide radioactive elements which may be found in certain geological materials. CAS RN 68476-95-9. This raw material accounts for one of the raw materials that may be used as a primary aggregate. This raw material may contain trace amounts of quartz. See the quartz impurity/residual entry for more information.
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>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Facilities:</td>
<td>NA</td>
</tr>
<tr>
<td>Certificate URL:</td>
<td></td>
</tr>
<tr>
<td>Issue Date:</td>
<td>2019-01-01</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td></td>
</tr>
<tr>
<td>Certifier or Lab:</td>
<td>NA</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.

No accessories are required for this product.

### Section 5: General Notes

Ingredient specific notes are included in Section 2.
MANUFACTURER INFORMATION

MANUFACTURER: USG
ADDRESS: 550 West Adams Street
Chicago IL 60661, United States
WEBSITE: usg.com

CONTACT NAME: Stacy Simpson
TITLE: Sustainability Manager
PHONE: 1-800-USG4YOU
EMAIL: sustainability@usg.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 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.