DUROCK® Cement Board by USG

CLASSIFICATION: 09 30 00

PRODUCT DESCRIPTION: USG DUROCK® BRAND CEMENT BOARD IS MOISTURE AND MOLD RESISTANT MAKING IT THE PERFECT CHOICE FOR TILE AND FLOORING IN BATHS, KITCHENS AND LAUNDRY ROOMS. USG DUROCK® BRAND CEMENT BOARD CUTS EASILY AND Installs quickly with USG DUROCK™ BRAND TILE BACKER SCREWS, SELF-DRILLING FASTENERS OR NAILS.

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

DUROCK® CEMENT BOARD [ PORTLAND CEMENT LT-P1 | END | CAN PERLITE LT-UNK | GYPSUM LT-UNK | SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN UNDISCLOSED NOGS UNDISCLOSED LT-P1 | RES | END QUARTZ LT-1 | CAN FLY ASH LT-UNK | UNDISCLOSED LT-P1 | PBT PUMICE LT-UNK | EXPANDED SHALE | NOGS | UNDISCLOSED LT-UNK | SC:EXPANDED SLATE

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:

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
**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**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2019-01-07
- **%:** 30.0000 - 50.0000
- **GS:** LT-P1
- **RC:** None
- **NANO:** No
- **ROLE:** Core

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td></td>
<td>Potential Endocrine Disruptor</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:** 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**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2019-01-07
- **%:** 5.0000 - 10.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **ROLE:** Aggregate

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No hazards found</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**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2019-01-07
No hazards found

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)**

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-07

%: 1.0000 - 5.0000
GS: LT-UNK
RC: None
NANO: No
ROLE: Stability

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

CANCER
EU - GHS (H-Statements)
H351 - Suspected of causing cancer

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: 2019-01-07

%: 0.5000 - 1.0000
GS: NoGS
RC: None
NANO: No
ROLE: Setting additive

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

No hazards found

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: 2019-01-07

%: 0.1000 - 0.5000
GS: LT-UNK
RC: None
NANO: No
ROLE: Core strengthening

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

No hazards found

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: 2019-01-07

%: 0.0100 - 0.0500
GS: LT-UNK
RC: None
NANO: No
ROLE: Core strengthening

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

No hazards found

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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2019-01-07</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>%:</th>
<th>Impurity/Residual</th>
<th>GS:</th>
<th>LT-1</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>ROLE:</th>
<th>Impurity/Residual</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:** Impurity found in naturally occurring raw materials.

### FLY ASH

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2019-01-07</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>%:</th>
<th>5.0000 - 15.0000</th>
<th>GS:</th>
<th>LT-UNK</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>ROLE:</th>
<th>Binder</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
</table>

No hazards 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.
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td></td>
<td>0.0000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Dispersant</td>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Persistent, Bioaccumulative and inherently Toxic (PbITH) to humans</td>
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<td></td>
<td>SUBSTANCE NOTES: Proprietary ingredient. Living Building Challenge Red List v3.1 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.</td>
<td></td>
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</tr>
<tr>
<td>PUMICE</td>
<td></td>
<td></td>
<td>0.0000 - 40.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Aggregate</td>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
</tr>
<tr>
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<td></td>
<td>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.</td>
<td></td>
<td></td>
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<tr>
<td>EXPANDED SHALE</td>
<td></td>
<td></td>
<td>0.0000 - 40.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Aggregate</td>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
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<td></td>
<td>No hazards found</td>
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<td></td>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td></td>
<td>0.0000 - 0.2000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Dispersant</td>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>No hazards found</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>SUBSTANCE NOTES: Proprietary ingredient. No residuals/impurities at 1000 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-07

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

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:
Version: SCGeoMats/2018-02-23
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>NA</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
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</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>

CERTIFICATION AND COMPLIANCE NOTES:

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: USG Sustainability
TITLE: Sustainability Manager
PHONE: 1-800-USG4YOU
EMAIL: sustainability@usg.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.