**Section 1: Summary**

**CONTENT INVENTORY**

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

**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**

| SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH® AR FIRECODE® X | GYPSUM BM-3dg | SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) | LT-UNK | CELLULOSE, MICROCRYSTALLINE LT-UNK | FLY ASH LT-UNK | DEXTRIN LT-UNK | STARCH LT-UNK | POLYMETHYLHYDROSILOXANE | NOSGS | UNDISCLOSED LT-UNK | NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT LT-PI | 2-PYRIDINE THIOL, 1-OXIDE, SODIUM SALT LT-PI | MUL | MAM |

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

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: UL/GreenGuard Gold Certified

**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: 2022-08-30
PUBLISHED DATE: 2022-08-30
EXPIRY DATE: 2025-08-30
### SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH® AR FIRECODE® X

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

**RESIDUALS AND IMPURITIES NOTES:** Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on usg.com for occupational exposure information. 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.

**OTHER PRODUCT NOTES:** This product is made at Shoals, IN and Baltimore, MD. Percent ranges displayed for this HPD are for all manufacturing plants that make this product and may vary.

### GYPSUM

**ID:** 13397-24-5

**HAZARD DATA SOURCE:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-08-30 12:06:20

<table>
<thead>
<tr>
<th>%: 85.0000 - 97.0000</th>
<th>GreenScreen: BM-3dg</th>
<th>RC: PreC</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
EC - CEPA DSL  
**WARNINGS:** Persistent

**ADDITIONAL LISTINGS**  
None found  
**NOTIFICATION:** No listings found on Additional 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. The use of FGD gypsum and the pre-consumer recycled content of Sheetrock® Brand Glass-Mat Panels Mold Tough® AR Firecode® X will vary by the manufacturing plant.

### SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

**ID:** 65997-17-3

**HAZARD DATA SOURCE:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-08-30 12:06:20

<table>
<thead>
<tr>
<th>%: 1.0000 - 4.0000</th>
<th>GreenScreen: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
EC - CEPA DSL  
**WARNINGS:** Persistent
ADDITIONAL LISTINGS | AGENCY | NOTIFICATION
--- | --- | ---
**EXEMPT** | European Union / European Commission (EU EC) | EU - REACH Exemptions
Exempted from REACH Annex V listing due to intrinsic safety

**POSITIVE LIST** | US Environmental Protection Agency (US EPA) | US EPA - DfE SCIL
Green Circle - Verified Low Concern

**SUBSTANCE NOTES:** As manufactured, continuous filament glass fibers in this product are not respirable. 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.

---

**CELLULOSE, MICROCRYSTALLINE**

<table>
<thead>
<tr>
<th>HAZARD DATA SOURCE</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING DATE</td>
<td>2022-08-30 12:06:21</td>
</tr>
<tr>
<td>%: 0.6000 - 1.5000</td>
<td>GreenScreen: LT-UNK</td>
</tr>
<tr>
<td>RC: PostC</td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Tensile strength additive</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**ADDITIONAL LISTINGS**

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>NOTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXEMPT</strong></td>
<td>European Union / European Commission (EU EC)</td>
</tr>
<tr>
<td>EU - REACH Exemptions</td>
<td></td>
</tr>
</tbody>
</table>
Exempted from REACH Annex IV listing due to intrinsic safety

**POSITIVE LIST** | US Environmental Protection Agency (US EPA) |
| US EPA - DfE SCIL |
Green Circle - Verified Low Concern

**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.

---

**FLY ASH**

<table>
<thead>
<tr>
<th>HAZARD DATA SOURCE</th>
<th>Pharos Chemical and Materials Library</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING DATE</td>
<td>2022-08-30 12:06:21</td>
</tr>
<tr>
<td>%: 0.3000 - 0.7000</td>
<td>GreenScreen: LT-UNK</td>
</tr>
<tr>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Catalyst</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC - CEPA DSL</td>
<td>Persistent</td>
</tr>
</tbody>
</table>

**ADDITIONAL LISTINGS**

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>NOTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No listings found on Additional Hazard Lists</td>
</tr>
</tbody>
</table>

**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.
### Dextrin

**ID:** 9004-53-9  
**HAZARD DATA SOURCE:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-08-30 12:06:22

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.5000</th>
<th>GreenScreen: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Adhesive</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**ADDITIONAL LISTINGS**  
No warnings found on HPD Priority Hazard Lists

**EXEMPT**  
European Union / European Commission (EU EC)  
EU - REACH Exemptions  
Exempted from REACH Annex IV listing due to intrinsic safety

**POSITIVE LIST**  
US Environmental Protection Agency (US EPA)  
US EPA - DfE SCIL  
Green Circle - Verified Low Concern

**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.

### Starch

**ID:** 9005-25-8  
**HAZARD DATA SOURCE:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-08-30 12:06:22

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.5000</th>
<th>GreenScreen: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**ADDITIONAL LISTINGS**  
No warnings found on HPD Priority Hazard Lists

**EXEMPT**  
European Union / European Commission (EU EC)  
EU - REACH Exemptions  
Exempted from REACH Annex IV listing due to intrinsic safety

**POSITIVE LIST**  
US Environmental Protection Agency (US EPA)  
US EPA - DfE SCIL  
Green Circle - Verified Low Concern

**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.

### Poly(methylhydrosiloxane)

**ID:** 63148-57-2  
**HAZARD DATA SOURCE:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2022-08-30 12:06:23

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.5000</th>
<th>GreenScreen: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Water resistance</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**ADDITIONAL LISTINGS**  
No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS

None found

No listings found on Additional 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.

UNREVEALED

HAZARD DATA SOURCE: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2022-08-30 12:06:23

%: 0.2000 - 0.3000
GreenScreen: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Tensile strength additive

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
EC - CEPA DSL
Persistent

ADDITIONAL LISTINGS
AGENCY
NOTIFICATION
None found

No listings found on Additional Hazard Lists

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. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1)

NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT

ID: 37293-74-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2022-08-30 12:06:24

%: 0.0100 - 0.3000
GreenScreen: LT-1
RC: None
NANO: No
SUBSTANCE ROLE: Dispersant

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
EC - CEPA DSL
Persistent
EC - CEPA DSL
Bioaccumulative

ADDITIONAL LISTINGS
AGENCY
NOTIFICATION
None found

No listings found on Additional Hazard Lists

RESTRICTED LIST
International Living Future Institute (ILFI)
Living Building Challenge 4.0 - Red List of Materials & Chemicals
Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: USG has made an effort to decrease and will ultimately replace this dispersant. 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.

2-PYRIDINETHIOL, 1-OXIDE, SODIUM SALT

ID: 3811-73-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2022-08-30 12:06:25

%: 0.0100 - 0.1000
GreenScreen: LT-1
RC: None
NANO: No
SUBSTANCE ROLE: Antimicrobial Pesticide

SUBSTANCE NOTES: USG has made an effort to decrease and will ultimately replace this dispersant. 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>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>MAM</td>
<td>GHS - Australia</td>
<td>H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]</td>
</tr>
</tbody>
</table>

**ADDITIONAL LISTINGS**

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>NOTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022</td>
<td>Cosmetics &amp; Personal Care Products</td>
</tr>
</tbody>
</table>

**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.
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>UL/GreenGuard Gold Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Third Party</td>
<td>ISSUE DATE: 2016-01-29</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFICATE URL: <a href="https://spot.ul.com/">https://spot.ul.com/</a></td>
<td>CERTIFIER OR LAB: UL Environment</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: 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. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.

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.

USG SHEETROCK® OR BEADEX® BRAND FINISHING PRODUCTS

MANUFACTURER (OR GENERIC): USG

HPD URL: https://www.usg.com

ACCESSORY TYPE:

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: For high-quality finishing results, USG recommends USG Sheetrock® or Beadex® Brand finishing products. Painting products and systems should be used that comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer’s directions for materials used. Gypsum Association’s Recommended Specification for Levels of Gypsum Board Finish (GA-214) should be referred to in order to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration. For additional installation information, refer to product submittal sheet.

Section 5: General Notes

The International Agency for Research on Cancer (IARC) in June, 1987, categorized continuous filament glass fibers as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify continuous filament glass fiber as a possible, probable, or confirmed cancer causing material.
MANUFACTURER INFORMATION

MANUFACTURER: USG
ADDRESS: 550 West Adams St
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
- NoGS No GreenScreen.

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, and Best Practices for Hazard Screening on the HPDC website (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 for compliance with the HPD standard noted.