**CLASSIFICATION:** 09 51 00

**PRODUCT DESCRIPTION:** Manufactured by USG Interiors, LLC. USG Millennia® Acoustical Ceiling Panels are easy to install and clean, and their high level sag, mold and mildew resistance means they won’t need to be replaced often. With excellent noise cancelling properties and durability, these panels are a sound, economical choice for any ceiling.

**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

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**

- USG MILLENNIA® ACOUSTICAL PANELS
  - MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT)
  - LT-UNK UNDISCLOSED
  - BM-3 UNDISCLOSED
  - LT-1
  - LT-UNK
  - BM-3
  - LT-1
  - CAN
  - END PLASTER OF PARIS

- GREENSCREEN SCORE
  - NoGS

- HAZARD TYPE
  - STARCH
  - KAOLIN CLAY
  - TiO2

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
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.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: GREENGUARD Certification - USG Millennia® Acoustical Panels
Other: Environmental Product Declaration - USG Millennia® Acoustical Panels

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

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**PREPARER:** Self-Prepared

**VERIFIER:**

**SCREENING DATE:** 2018-04-27
**PUBLISHED DATE:** 2018-04-27
**EXPIRY DATE:** 2021-04-27
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

<table>
<thead>
<tr>
<th>USG MILLENNIA® ACOUSTICAL PANELS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 1000 ppm</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong> Yes</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> 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.</td>
</tr>
<tr>
<td><strong>OTHER PRODUCT NOTES:</strong> Chemical inventory of the ingredients in USG Millennia®, Millennia® High NRC, Millennia® Illusion, and Millennia® Tile Acoustical Panels.</td>
</tr>
</tbody>
</table>

### MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT)

<table>
<thead>
<tr>
<th>ID: 65997-17-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%:</strong> 80.0000 - 88.0000</td>
</tr>
<tr>
<td><strong>GS:</strong> LT-UNK</td>
</tr>
<tr>
<td><strong>RC:</strong> PreC</td>
</tr>
<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>ROLE:</strong> Core/Basemat</td>
</tr>
<tr>
<td><strong>HAZARDS:</strong> None Found</td>
</tr>
<tr>
<td><strong>AGENCY(IES) WITH WARNINGS:</strong> No warnings found on HPD Priority lists</td>
</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong> The synthetic mineral wool fiber used in this product is exonerated from classification as a carcinogenic in accordance with Note Q in the EU Commission Directive 97/69/EC. 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>
</tr>
</tbody>
</table>

| **%:** 2.5000 - 4.0000  |
| **GS:** NoGS  |
| **RC:** None  |
| **NANO:** No  |
| **ROLE:** Thermoplastic binder/Basemat  |
| **HAZARDS:** None Found  |
| **AGENCY(IES) WITH WARNINGS:** No warnings found on HPD Priority lists  |
| **SUBSTANCE NOTES:** Proprietary ingredient. Polymer is considered non-hazardous, contains no reactive residuals, and has an oral LD50 > 5,000 mg/kg. 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). |

### STARCH

<table>
<thead>
<tr>
<th>ID: 9005-25-8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>%:</strong> 2.5000 - 3.7000</td>
</tr>
<tr>
<td><strong>GS:</strong> LT-UNK</td>
</tr>
<tr>
<td><strong>RC:</strong> None</td>
</tr>
<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>ROLE:</strong> Binder/Basemat</td>
</tr>
<tr>
<td><strong>HAZARDS:</strong> None Found</td>
</tr>
<tr>
<td><strong>AGENCY(IES) WITH WARNINGS:</strong> No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>
### KAOLIN CLAY

**ID:** 1332-58-7  
**%:** 2.0000 - 8.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Filler/Coating  

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- **CANCER**  
  - MAK  
  - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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### CALCIUM CARBONATE

**ID:** 471-34-1  
**%:** 0.8000 - 2.0000  
**GS:** BM-3  
**RC:** None  
**NANO:** No  
**ROLE:** Filler/Coating  

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

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### Proprietary ingredient

**%:** 0.1000 - 0.9000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Binder/Coating  

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

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### TITANIUM DIOXIDE

**ID:** 13463-67-7  
**%:** 0.0100 - 0.9000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment/Coating  

**HAZARDS:**  
**AGENCY(IES) WITH WARNINGS:**  
- **CANCER**  
  - US CDC - Occupational Carcinogens  
  - Occupational Carcinogen  
  - CA EPA - Prop 65  
  - Carcinogen - specific to chemical form or exposure route  
  - IARC  
  - Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources  
  - MAK  
  - Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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**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.
Since titanium dioxide is bound within the coating and not inhalable, it is excluded from several regulatory hazard lists. 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.

**PLASTER OF PARIS**

<table>
<thead>
<tr>
<th>%: 0.0000 - 1.4000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler/Basemat</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

**Agency(ies) with warnings:**

No warnings found on HPD Priority 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.
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>GREENGUARD Certification - USG Millennia® Acoustical Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Cloquet, MN</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://spot.ulprospector.com/en/na/BuiltEnvironment/Suppliers/32898/USG">https://spot.ulprospector.com/en/na/BuiltEnvironment/Suppliers/32898/USG</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2015-08-01</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES:

OTHER

<table>
<thead>
<tr>
<th>Environmental Product Declaration - USG Millennia® Acoustical Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
</tr>
<tr>
<td>EXPIRY DATE:</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
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.