USG Mars™ Acoustical Panels
by USG

Health Product Declaration v2.1
created via: HPDC Online Builder

CLASSIFICATION: 09 51 00

PRODUCT DESCRIPTION: Manufactured by USG Interiors, LLC. USG Mars™ Acoustical Panels are fine-textured, mold resistant and offer superior sag resistance, high light reflectance values and excellent noise reduction. Their durability, performance, easiness to clean and attractiveness make them an ideal choice for corridors, department stores, reception areas, lobbies and general office spaces.

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 DESCRIVING 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 MARS™ ACOUSTICAL PANELS | MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) | LT-UNK
MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) | LT-UNK
STARCH | LT-UNK
KAOLIN CLAY | LT-UNK
KAOLIN, CALCINED | LT-UNK
UNDISCLOSED | NoGS
SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) | LT-UNK
CAN ALUMINA TRIHYDRATE BM-3 | POLY(VINYL ALCOHOL) | LT-UNK
UNDISCLOSED | LT-UNK
TITANIUM DIOXIDE | LT-1
CAN | END UNDISCLOSED | NoGS
PLASTER OF PARIS | NoGS

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.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.
VOC emissions: GREENGUARD Certification - USG Mars™ Acoustical Panel Family
Other: Environmental Product Declaration - USG Mars™ Acoustical Panel Family
Other: ILFI Declare - LBC Compliant

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?
☐ Yes
☐ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #: 2018-04-12

SCREENING DATE: 2018-04-12

PUBLISHED DATE: 2018-04-12

EXPIRY DATE: 2021-04-12
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](http://www.hpd-collaborative.org/hpd-2-1-standard)

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## USG MARS™ ACOUSTICAL PANELS

PRODUCT THRESHOLD: 1000 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: 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: Chemical inventory and screening of the ingredients in USG Mars™, Mars™ Healthcare AirCare, Mars™ High NRC (including Planks and Logix™), Mars™ Healthcare, Mars™ High-NRC/High-CAC, and Mars™ Healthcare High NRC Acoustical Panels.

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

<table>
<thead>
<tr>
<th>%: 80.0000 - 85.0000</th>
<th>GS: LT-UNK</th>
<th>RC: PreC</th>
<th>NANO: No</th>
<th>ROLE: Core/Basemat</th>
</tr>
</thead>
</table>

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

SUBSTANCE NOTES: 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.

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### STARCH

<table>
<thead>
<tr>
<th>%: 2.2000 - 4.5000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder/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.

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### KAOLIN CLAY

<table>
<thead>
<tr>
<th>%: 1.5000 - 3.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler/Coating</th>
</tr>
</thead>
</table>

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

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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.

### Kaolin, Calcined

<table>
<thead>
<tr>
<th>%: 1.5000 - 2.9000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler/Coating</th>
</tr>
</thead>
</table>

**HAZARDS:**
None Found

**Agency(ies) with warnings:**
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.

### Thermoplastic binder/Basemat

<table>
<thead>
<tr>
<th>%: 1.0000 - 1.5000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Thermoplastic binder/Basemat</th>
</tr>
</thead>
</table>

**HAZARDS:**
None Found

**Agency(ies) with warnings:**
None Found

**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).

### Solid Glass and Glass / Mineral Fiber (See Variants)

<table>
<thead>
<tr>
<th>%: 0.7000 - 1.5000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Core/Laminate</th>
</tr>
</thead>
</table>

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

**Substance Notes:** Continuous filament glass fibers is used in the manufacturing of this product are not respirable. Additionally, IARC (International Agency for Research on Cancer), NTP (US National Toxicology Program) and OSHA (US Occupational Safety and Health Administration) do not list continuous filament glass fibers as a carcinogen. 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.

### Alumina Trihydrate

<table>
<thead>
<tr>
<th>%: 0.5000 - 1.0000</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Fire retardant/Laminate</th>
</tr>
</thead>
</table>

**HAZARDS:**
RESPIRATORY  
AOEC - Asthmagens

**Agency(ies) with warnings:**
RESPIRATORY  
AOEC - Asthmagens - Asthmagens (ARs) - sensitizer-induced - inhalable forms only

**Substance Notes:**
SUBSTANCE NOTES: Not in a respirable form. 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.

CALCIUM CARBONATE

ID: 471-34-1

%: 0.5000 - 1.8000
GS: BM-3
RC: None
NANO: No
ROLE: Filler/Coating

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
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.

POLY(VINYL ALCOHOL)

ID: 9002-89-5

%: 0.3000 - 0.5000
GS: LT-UNK
RC: None
NANO: No
ROLE: Binder/Laminate

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
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.

%: 0.3000 - 0.8000
GS: LT-UNK
RC: None
NANO: No
ROLE: Binder

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

SUBSTANCE NOTES: 0.2 – 0.6% in Coating/0.1 – 0.2% in Laminate. 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).

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.1000 - 0.3000
GS: LT-1
RC: None
NANO: No
ROLE: Pigment/Coating

HAZARDS:
AGENCY(IES) WITH WARNINGS:
CANCER
US CDC - Occupational Carcinogens
Occupational Carcinogen
CANCER
CA EPA - Prop 65
Carcinogen - specific to chemical form or exposure route
CANCER
IARC
Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER
MAK
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
ENDOCRINE
TEDX - Potential Endocrine Disruptors
Potential Endocrine Disruptor
Since titanium dioxide is bound with in 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.

Proprietary ingredient. Only found in Mars™ Healthcare AirCare. 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

%: 0.0000 - 1.7000  GS: NoGS  RC: None  NANO: No  ROLE: Filler/Basemat

None Found  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.

**VOC EMISSIONS**

**GREENGUARD Certification - USG Mars™ Acoustical Panel Family**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Cloquet, MN</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2016-06-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** VOC emissions testing according to the CDPH 01350 v1.1 2010 criteria.

**OTHER**

**Environmental Product Declaration - USG Mars™ Acoustical Panel Family**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Cloquet, MN</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2016-06-28</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** Environmental Product Declaration for the Life-Cycle Assessment and can be found at usg.com/sustainability

**OTHER**

**ILFI Declare - LBC Compliant**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://living-future.org/declare-products/mars-acoustical-panels/">https://living-future.org/declare-products/mars-acoustical-panels/</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2017-05-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>ILFI Review</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** LBC Declare Label with LBC Compliant status.

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: 550 West Adams Street

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.