USG Mars™ Acoustical Panels
by USG

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 24276
CLASSIFICATION: 09 51 00 Acoustical Ceilings

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

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Characterized  Yes/Ex/SC Yes/No % weight and role provided for all substances.</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Screened Yes/Ex/SC Yes/No All substances screened using Priority Hazard Lists with results disclosed.</td>
</tr>
<tr>
<td>Material Disclosed Per Material</td>
<td></td>
<td>Not Considered</td>
<td>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.</td>
</tr>
<tr>
<td>Product</td>
<td>Other</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.

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 STARCH LT-UNK UNDISCLOSED NoGS KAOLIN CLAY LT-UNK CAN KAOLIN, CALCINED LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK CALC ULTRACARBONATE BM-3 TITANIUM DIOXIDE LT-1 | CAN | END ALUMINA TRIHYDRATE BM-2 | RES POLY(VINYL ALCOHOL) LT-UNK UNDISCLOSED LT-UNK PENTASODIUM TRIPHOSPHATE LT-UNK UNDISCLOSED NoGS PLASTER OF PARIS NoGS |

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
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 #:
SCREENING DATE: 2021-04-06
PUBLISHED DATE: 2021-04-06
EXPIRY DATE: 2024-04-06
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

USG MARS™ ACOUSTICAL PANELS

PRODUCT THRESHOLD: 100 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, Mars™ Healthcare, Mars™ High-NRC/High-CAC, Mars™ Healthcare High-NRC/High-CAC, Mars™ High-CAC, and Mars™ Healthcare High NRC Acoustical Panels. Includes Planks and Logix™.

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

Hazard Screening Method: Pharos Chemical and Materials Library
Hazard Screening Date: 2021-04-06 11:37:44

%: 80.0000 - 85.0000
GS: LT-UNK
RC: PreC
NANO: No
SUBSTANCE ROLE: Structure component

None found

Agency and List Titles
Warnings

Substance Notes: The synthetic mineral wool fiber used in the basemat of 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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

STARCH

Hazard Screening Method: Pharos Chemical and Materials Library
Hazard Screening Date: 2021-04-06 11:37:44

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

None found

Agency and List Titles
Warnings

Substance Notes: No Residuals or Impurities are expected to be present at or above the 100 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: 2021-04-06 11:37:44

%: 1.0000 - 5.0000
GS: NoGS
RC: None
NANO: No
SUBSTANCE ROLE: Binder

None found

Agency and List Titles
Warnings

No warnings found on HPD Priority Hazard Lists
**KAOLIN CLAY**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2021-04-06 11:37:45</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.0000 - 5.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>CAN</td>
<td>MAK</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**KAOLIN, CALCINED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2021-04-06 11:37:45</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.0000 - 5.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
</tbody>
</table>

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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2021-04-06 11:37:46</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.5000 - 5.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

**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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**CALCIUM CARBONATE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2021-04-06 11:37:46</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.5000 - 3.0000</td>
<td>GS: BM-3</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
</tbody>
</table>

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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.
**TITANIUM DIOXIDE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2021-04-06 11:37:47

**%:** 0.1000 - 0.7000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Pigment

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer
CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen
CAN | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route
CAN | IARC | Group 2B -Possibly carcinogenic to humans - inhaled from occupational sources
CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor
CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** 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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**ALUMINA TRIHYDRATE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2021-04-06 11:37:47

**%:** 0.1000 - 1.0000  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Flame retardant

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Not in a respirable form. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**POLY(VINYL ALCOHOL)**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2021-04-06 11:37:48

**%:** 0.1000 - 0.5000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

**None found**

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 100 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:** 2021-04-06 11:37:48

**%:** 0.1000 - 1.1000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PENTASODIUM TRIPHOSPHATE</td>
<td>7758-29-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-04-06 11:37:49</td>
<td>0.0100 - 0.0300</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Dispersant</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists. SUBSTANCE NOTES: 0.0 – 0.5% in Coating/0.1 – 0.6% in Laminate. Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 100 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 4.0).</td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td>Undisclosed</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-04-06 11:37:49</td>
<td>0.0000 - 0.2000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Coating</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists. SUBSTANCE NOTES: Proprietary ingredient. Only found in Mars™ Healthcare AirCare. No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.</td>
</tr>
<tr>
<td>PLASTER OF PARIS</td>
<td>26499-65-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2021-04-06 11:37:50</td>
<td>0.0000 - 1.7000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists. SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.</td>
</tr>
</tbody>
</table>
### 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>UL/GreenGuard Gold Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue Date:</td>
<td>2015-08-06</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td></td>
</tr>
<tr>
<td>Certifier or Lab:</td>
<td>UL Environment</td>
</tr>
<tr>
<td>Applicable Facilities:</td>
<td>Cloquet, MN</td>
</tr>
<tr>
<td>Certificate URL:</td>
<td><a href="http://spot.ul.com">http://spot.ul.com</a></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.

#### 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>Issue Date:</td>
<td>2019-04-01</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td></td>
</tr>
<tr>
<td>Certifier or Lab:</td>
<td>UL Environment</td>
</tr>
<tr>
<td>Applicable Facilities:</td>
<td>Cloquet, MN</td>
</tr>
<tr>
<td>Certificate URL:</td>
<td><a href="https://www.usg.com/content/usgcom/en.html">https://www.usg.com/content/usgcom/en.html</a></td>
</tr>
</tbody>
</table>

**Certification and Compliance Notes:** Multiple product specific Environmental Product Declarations can be found on usg.com.

#### Other ILFI Declare - LBC Compliant

<table>
<thead>
<tr>
<th>Certifying Party:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>Applicable Facilities:</td>
<td>Cloquet, MN</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>
</tbody>
</table>

**Certification and Compliance Notes:** Declare is a voluntary self-disclosure program.

### 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 DONN® BRAND ACOUSTICAL SUSPENSION SYSTEMS

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th><a href="https://www.usg.com/content/usgcom/en.html">https://www.usg.com/content/usgcom/en.html</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition When Recommended or Required:</td>
<td>Used to install acoustical ceiling panels.</td>
</tr>
</tbody>
</table>

### Section 5: General Notes

USG Mars™ Acoustical Panels use a blend of binders on the basemat. A portion of the binder (40-65%) is made from a renewable resource that is plant based.
MANUFACTURER INFORMATION

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

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
OZO Ozone depletion
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.