

CLASSIFICATION: 09 51 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Manufactured by USG Interiors, LLC. USG Astro® Acoustical Ceiling Panels are fine-textured, non-perforated and non-fissured panels that are designed for a high level of performance and aesthetics. They also offer mold and mildew resistance, sag-resistance and sound control

Section 1: Summary

Basic Method / Material 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

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

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 ASTRO™ ACOUSTICAL PANELS [MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) **LT-UNK** PERLITE **LT-UNK** UNDISCLOSED **UNK** STARCH **LT-UNK** PLASTER OF PARIS **UNK** KAOLIN CLAY **LT-UNK** | CAN CALCIUM CARBONATE **BM-3** UNDISCLOSED **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN]

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:

Chemical inventory of the ingredients in USG Astro®, Astro® Illusion, and Astro® Firecode™ Acoustical Panels. Residuals/Impurities in raw materials are quantitatively measured and are displayed in the HPD when greater than or equal to 1000 ppm.

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: GREENGUARD Certification - USG Astro™ Acoustical Panels
Other: Environmental Product Declaration - USG Astro™ Acoustical Panels

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2016-11-22
PUBLISHED DATE: 2017-08-30
EXPIRY DATE: 2019-11-22

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

USG ASTRO™ ACOUSTICAL PANELS

MATERIAL THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/Impurities considered at 1000 ppm.

OTHER PRODUCT NOTES: Percent may change due to manufacturing variations.

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

ID: 65997-17-3

#: **70.0000 - 78.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Core/Basemat**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The synthetic mineral wool fiber used in this product is exonerated from classification as a carcinogen in accordance with Note Q in the EU Commission Directive 97/69/EC. No residuals/impurities at 1000 ppm.

PERLITE

ID: 93763-70-3

#: **8.0000 - 9.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler/Basemat**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities at 1000 ppm

UNDISCLOSED

#: **6.0000 - 7.5000** GS: **UNK** RC: **None** NANO: **No** ROLE: **Thermoplastic binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Highest concern GreenScreen® score—LT-U, assigned by USG's Authorized GreenScreen Practitioner. CAS RN not in HPD automatic tool system. Polymer is considered non-hazardous, contains no reactive residuals, and has an oral LD50 > 5,000 mg/kg.

STARCH

ID: 9005-25-8

%: **3.0000 - 3.5000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder/Basemat**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Not derived from wheat. No residuals/impurities at 1000 ppm.

PLASTER OF PARIS

ID: **26499-65-0**

%: **1.0000 - 1.4000**

GS: **UNK**

RC: **PreC**

NANO: **No**

ROLE: **Filler/Basemat**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities at 1000 ppm.

KAOLIN CLAY

ID: **1332-58-7**

%: **0.8000 - 2.0000**

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

SUBSTANCE NOTES: No residuals/impurities at 1000 ppm.

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

SUBSTANCE NOTES: No residuals/impurities at 1000 ppm.

UNDISCLOSED

%: **0.2000 - 0.4000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Binder/Coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary ingredient. No residuals/impurities at 1000 ppm.

%: 0.1000 - 0.4000	GS: LT-1	RC: None	NANO: No	ROLE: Pigment/Coating
HAZARDS:	AGENCY (IES) WITH WARNINGS:			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
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		
SUBSTANCE NOTES: Since titanium dioxide is bound within the coating and not inhalable, it is excluded from several regulatory hazard lists. No residuals/impurities at 1000 ppm.				

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 Astro™ Acoustical Panels

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Cloquet, MN
 CERTIFICATE URL:
<http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808>

ISSUE DATE: 2015-08-01
 EXPIRY DATE:
 CERTIFIER OR LAB: UL Environment

CERTIFICATION AND COMPLIANCE NOTES:

OTHER

Environmental Product Declaration - USG Astro™ Acoustical Panels

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Cloquet, MN
 CERTIFICATE URL:
<http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808&CertificationID=15>

ISSUE DATE: 2013-09-01
 EXPIRY DATE:
 CERTIFIER OR LAB: UL Environment

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.

Section 5: General Notes

Ingredient specific notes are included in Section 2.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **USG**

ADDRESS: **550 West Adams St
Chicago IL 60661, US**

WEBSITE: **usg.com**

CONTACT NAME: **Stacy Simpson**

TITLE: **Sustainability Analyst II, Authorized
GreenScreen Practitioner**

PHONE: **1-800-USG4YOU**

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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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.