

CLASSIFICATION: 09 51 00

PRODUCT DESCRIPTION: MANUFACTURED BY USG INTERIORS, LLC. USG Radar™ Firecode™ Acoustical Ceiling Panels contain a proprietary broad-spectrum standard formulation that inhibits the growth of mold and mildew. Medium textured with a non-directional pattern, these sag resistant panels are an optimal choice for use in schools, corridors, lobbies, offices and retail stores.

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

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

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.

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 RADAR™ FIRECODE™ ACOUSTICAL CEILING PANELS [MINERAL WOOL (BIOSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) LT-UNK KAOLIN CLAY LT-UNK | CAN PERLITE LT-UNK STARCH LT-UNK CALCIUM CARBONATE BM-3 CELLULOSE, MICROCRYSTALLINE LT-UNK | RES MELAMINE FORMALDEHYDE LT-UNK UNDISCLOSED LT-UNK QUARTZ 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:

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: GREENGUARD Certification - USG Radar™ Firecode™ Acoustical Ceiling Panels

VOC emissions: UL/GreenGuard Gold Certified

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: 2019-12-13

PUBLISHED DATE: 2019-12-13

EXPIRY DATE: 2022-12-13



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

USG RADAR™ FIRECODE™ ACOUSTICAL CEILING 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 of the ingredients in USG Radar™ Firecode™, Radar™ Firecode™ High NRC, Radar™ Firecode™ High CAC, and Radar™ Firecode™ High CAC High NRC Acoustical Ceiling Panels Residuals/Impurities in raw materials are quantitatively measured and are displayed in the HPD when greater than or equal to 1000 ppm.

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

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-13

%: 45.00 - 61.00

GS: LT-UNK

RC:

NANO:

ROLE:

PreC

No

Core/Basemat

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard 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.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-13

%: 15.00 - 48.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler/Basemat

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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.

PERLITE

ID: 93763-70-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **3.00 - 20.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Core/Basemat**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.**

STARCH

ID: 9005-25-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **2.00 - 10.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Binder/Basemat**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.**

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **1.00 - 3.00**GS: **BM-3**RC: **None**NANO: **No**ROLE: **Filler/Coating**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.**

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **0.90 - 7.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Filler/Coating**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**

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.**

MELAMINE FORMALDEHYDE

ID: 9003-08-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **0.20 - 0.50**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Binder/Coating**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

UNDISCLOSEDHAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **0.10 - 0.50**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Binder/Coating**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

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 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).

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-13**%: **Impurity/Residual**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

GHS - New Zealand

6.7A - Known or presumed human carcinogens

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

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 Radar™ Firecode™ Acoustical Ceiling Panels

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **Cloquet, MN, Greenville, MS**

06-01

Environment

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **Cloquet, MN**

08-06

07-27

Environment

CERTIFICATE URL: **<http://spot.ul.com>**

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

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

HPD URL: **<https://www.usg.com/content/usgcom/en.html>**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Used to install acoustical ceiling panels.

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: **Stacy Simpson**

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

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.