

**CLASSIFICATION:** 09 29 00

**PRODUCT DESCRIPTION:** USG Sheetrock® Brand Ensemble™ Panels are part of the USG Ensemble™ Monolithic Acoustical Ceiling System. USG Sheetrock® Brand Ensemble™ Panels are highly engineered to perform like acoustical ceiling panels. The panels are screw-attached to a modified drywall suspension system. The joints are finished using USG Sheetrock® Brand Ensemble™ Ceiling Compound and USG Ensemble™ Spray-Applied Finish is installed as the final surface. The Spray- Applied Finish is acoustically transparent and allows sound to pass through the perforations where it is absorbed by the USG Ensemble™ High-NRC Backer Panels and plenum space. All system components are designed to work together so that NRC and CAC performance is maximized.

## 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

*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 SHEETROCK® BRAND ENSEMBLE™ PANELS [ GYPSUM (GYPSUM) LT-UNK CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE) NoGS SOLID / PLATE GLASS (SOLID / PLATE GLASS) LT-UNK STARCH (STARCH) LT-UNK GLUCOSE (GLUCOSE) BM-3 UNDISCLOSED LT-UNK ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) BM-2 | RES UNDISCLOSED LT-UNK POLY(VINYL ALCOHOL) (POLY(VINYL ALCOHOL)) LT-UNK ]**

Number of Greenscreen BM-4/BM3 contents ... 1  
 Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK  
 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: UL/GreenGuard Gold Certified  
 LCA: Environmental Product Declaration (EPD) by UL

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:  
 VERIFICATION #:

SCREENING DATE: 2017-11-07

PUBLISHED DATE: 2018-04-19

EXPIRY DATE: 2020-11-07



# 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.hpdc-collaborative.org/hpd-2-1-standard](http://www.hpdc-collaborative.org/hpd-2-1-standard)

## USG SHEETROCK® BRAND ENSEMBLE™ PANELS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on usg.com for occupational exposure information. 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.

OTHER PRODUCT NOTES: This product is made at East Chicago, IN and Sperry, IA. Percent ranges displayed for this HPD are for all manufacturing plants that make this product and may vary.

### GYPSUM (GYPSUM)

ID: 13397-24-5

%: 82.0000 - 95.0000	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Core
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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. The use of FGD gypsum and the pre-consumer recycled content of USG Sheetrock® Brand Ensemble™ Panels will vary by the manufacturing plant.

### CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE)

ID: 9004-34-6

%: 5.5000 - 7.0000	GS: NoGS	RC: None	NANO: No	ROLE: Paper face
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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.

### SOLID / PLATE GLASS (SOLID / PLATE GLASS)

ID: 65997-17-3

%: 1.1000 - 1.9000	GS: LT-UNK	RC: None	NANO: No	ROLE: Reinforcing/Structure
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 1.0 - 1.5% in laminate/ 0.1 - 0.4% in wallboard core. As manufactured, continuous filament glass fibers in this product are not respirable. 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 (STARCH)

ID: 9005-25-8

#: **0.5000 - 2.5000** 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: 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.

### GLUCOSE (GLUCOSE)

ID: 50-99-7

#: **0.0500 - 0.2000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Drying additive**

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.

#: **0.0500 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Core strengthening**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 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)

### ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: 21645-51-2

#: **0.0500 - 0.1000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Laminate binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

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.

%: **0.0500 - 0.1000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Laminate binder**

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) (POLY(VINYL ALCOHOL))**

ID: **9002-89-5**

%: **0.0500 - 0.1000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Laminate adhesive**

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.

## 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

### UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Self-declared**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

**2016-06-01**

**Environment**

CERTIFICATE URL:

**<http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808>**

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

### LCA

### Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

**2016-06-20**

**Environment**

CERTIFICATE URL:

**<http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808>**

CERTIFICATION AND COMPLIANCE NOTES: **Environmental Product Declaration for the Life-Cycle Assessment of USG Sheetrock® Brand Ensemble™ Panels and can be found at [usg.com/sustainability](http://usg.com/sustainability).**

## 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 SHEETROCK® BRAND ENSEMBLE™ CEILING COMPOUND

HPD URL: **<https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx>**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Part of the USG Ensemble™ Monolithic Acoustical Ceiling System.**

### USG ENSEMBLE™ SPRAY-APPLIED FINISH

HPD URL: **<https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx>**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Part of the USG Ensemble™ Monolithic Acoustical Ceiling System.**

### USG ENSEMBLE™ HIGH-NRC BACKER PANELS

HPD URL: **<https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx>**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Part of the USG Ensemble™ Monolithic Acoustical Ceiling System.**

## USG DRYWALL SUSPENSION SYSTEM

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx>

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Part of the USG Ensemble™ Monolithic Acoustical Ceiling System.

## USG SHEETROCK® BRAND JOINT TAPES

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx>

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Part of the USG Ensemble™ Monolithic Acoustical Ceiling System.

## USG FIBEROCK® BRAND END-JOINT BACKER PANEL

HPD URL: No HPD available

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Part of the USG Ensemble™ Monolithic Acoustical Ceiling System. A HPD for each component is in progress.

## Section 5: General Notes

The International Agency for Research on Cancer (IARC) in June, 1987, categorized continuous filament glass fibers as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify continuous filament glass fiber as a possible, probable, or confirmed cancer causing material.



## MANUFACTURER INFORMATION

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MANUFACTURER: **USG**

ADDRESS: **550 West Adams Street  
Chicago IL 60661, United States**

WEBSITE: **usg.com**

CONTACT NAME: **USG Sustainability**

TITLE: **Sustainability Manager, Authorized  
GreenScreen Practitioner**

PHONE: **1-800-USG4YOU**

EMAIL: **sustainability@usg.com**

## KEY

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**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.*