USG Sheetrock® Brand EcoSmart Panels Firecode 30® by USG

Health Product Declaration v2.1

CLASSIFICATION: 09 29 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: USG Sheetrock® Brand EcoSmart Panels Firecode 30® features an innovative,engineered gypsum core and proprietary face and back papers that form a high strength-to-weight ratio composite design. The noncombustible core is encased in stronger, 100% recycled face and back papers. The natural finish face paper is folded around the long edges to reinforce and protect the core, and the ends are cut square and even. The long edges of panels are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems. The panels are UL Classified for fire resistance and can be used in any UL Design where Type FC30 panels are listed. On the face along the long edge of each panel, the UL Type Designation is printed for easy identification after installation.

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 *Percent Weight and Role Provided?* ◉ Yes ○ No

Screened *Using Priority Hazard Lists with Results Disclosed?* ◉ Yes ○ No

Identified *Name and Identifier Provided?* ○ Yes ◉ No

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 ECOSMART PANELS FIRECODE 30® [GYPSUM LT-UNK CELLULOSE, MICROCRYSTALLINE NoGS STARCH LT-UNK SOLID / PLATE GLASS LT-UNK GLUCOSE BM-3 UNDISCLOSED LT-UNK NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT LT-P1 POLY(VINYL ALCOHOL) LT-UNK ALUMINUM SULFATE LT-P1 | RES POLYCARBOXYLATE POLYMER (POLYCARBOXYLATE POLYMER) NoGS]

Number of Greenscreen BM-4/BM3 contents..... 1
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
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 100 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 Gold Certification - Sheetrock® Brand EcoSmart Panels Firecode 30®
Other: Environmental Product Declaration - USG Sheetrock® Brand EcoSmart Panels Firecode 30®
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: 2017-10-23
PUBLISHED DATE: 2017-11-07
EXPIRY DATE: 2020-10-23

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 SHEETROCK® BRAND ECOSMART PANELS FIRECODE 30®

PRODUCT THRESHOLD: 100 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 Aliquippa, PA, Bridgeport, AL, East Chicago, IN, Galena Park, TX, Jacksonville, FL, Norfolk, VA, Plaster City, CA, Rainier, OR, Sigurd, UT ,Shoals, IN, Sperry, IA, Sweetwater, TX, and Washingtonville, PA. Percent ranges displayed for this HPD are for all manufacturing plants that make this product and may vary.

GYPSUM

ID: **13397-24-5**

%: **82.0000 - 95.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** ROLE: **Core**

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 100 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 Sheetrock® Brand EcoSmart Panels Firecode 30® will vary by the manufacturing plant.

CELLULOSE, MICROCRYSTALLINE

ID: **9004-34-6**

%: **5.5000 - 7.0000** GS: **NoGS** RC: **PostC** NANO: **No** ROLE: **Paper face**

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

STARCH

ID: **9005-25-8**

%: **1.0000 - 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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

SOLID / PLATE GLASS

ID: **65997-17-3**

%: **0.1000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reinforcing**

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

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

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

UNDISCLOSED

%: **0.0500 - 0.2000** 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: 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 3.1)

NAPHTHALENESULFONIC ACID, FORMALDEHYDE POLYMER, CALCIUM SALT

ID: **37293-74-6**

%: **0.0100 - 0.0400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Dispersant**

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

SUBSTANCE NOTES: USG has made an effort to decrease and will ultimately replace this dispersant. 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)

ID: **9002-89-5**

%: **0.0100 - 0.0200** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **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 100 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

ALUMINUM SULFATE

ID: **10043-01-3**

%: **0.0100 - 0.0600** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Accelerator**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Not in an inhalable 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.

POLYCARBOXYLATE POLYMER (POLYCARBOXYLATE POLYMER)

ID: **676596-80-8**

%: **0.0100 - 0.0400** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Dispersant**

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 100 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 Gold Certification - Sheetrock® Brand EcoSmart Panels Firecode 30®**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808
ISSUE DATE: 2016-06-01
EXPIRY DATE:
CERTIFIER OR LAB: UL Environment

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

OTHER — **Environmental Product Declaration - USG Sheetrock® Brand EcoSmart Panels Firecode 30®**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1808

ISSUE DATE: 2016-06-20

EXPIRY DATE:

CERTIFIER OR LAB: UL Environment

CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration for the Life-Cycle Assessment of USG Sheetrock® Brand EcoSmart Panels Firecode 30® and can be found at usg.com/sustainability.

OTHER | **ILFI Declare - LBC Compliant**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL: https://living-future.org/declare/?manufacturer=united-states-gypsum-company

ISSUE DATE: 2017-03-01

EXPIRY DATE:

CERTIFIER OR LAB: ILFI

CERTIFICATION AND COMPLIANCE NOTES: LBC Compliant, exemption I10-E4.

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

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.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **USG**
ADDRESS: **550 West Adams St**
Chicago IL 60661, United States
WEBSITE: **usg.com**

CONTACT NAME: **USG Sustainability**
TITLE: **Sustainability Analyst**
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 Classi cation 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 Unspeci ed (insu cient 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 produc

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

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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.