

CLASSIFICATION: 09 20 00

PRODUCT DESCRIPTION: USG SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH® VHI ARE HIGH-PERFORMANCE INTERIOR PANELS FOR NEW CONSTRUCTION OR RENOVATION WORK. THE PANELS WERE DESIGNED AND TESTED TO OFFER GREATER SURFACE INDENTATION AND IMPACT DAMAGE THAN STANDARD GYPSUM PANELS. THESE ABUSE-RESISTANT GYPSUM PANELS ARE RECOMMENDED FOR COMMERCIAL AND INSTITUTIONAL CONSTRUCTION WHERE GREATER RESISTANCE TO INDENTATION AND IMPACT DAMAGE ARE REQUIRED, PROVIDING A LOWER-COST ALTERNATIVE TO OTHER IMPACT-RESISTANT SYSTEMS FOR PARTITIONS FROM OTHER CONSTRUCTION METHODS.

Section 1: Summary

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 1 of 1 materials
<input type="radio"/> 100 ppm	
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2:
<input type="radio"/> Per GHS SDS	Material Notes
<input type="radio"/> Per OSHA MSDS	<input checked="" type="radio"/> see Section 5:
<input type="radio"/> Other	General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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

SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH® VHI FIRECODE® X [GYPSUM **LT-UNK** SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN **UNDISCLOSED** **LT-UNK** CELLULOSE, MICROCRYSTALLINE **UNK** FLY ASH **LT-UNK** STARCH **LT-UNK** 2-PYRIDINETHIOL, 1-OXIDE, SODIUM SALT **LT-P1** | MUL | DEV]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

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

VOC emissions: GREENGUARD Certification - Sheetrock® Brand Glass-Mat Panels Mold Tough® VHI Firecode® X

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: November 21, 2016	EXPIRY DATE*: November 21, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: November 21, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH® VHI FIRECODE® X

%: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material 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. Percent may change due to manufacturing variations. Residuals/Impurities considered at 1000 ppm.

GYPSUM

ID: 13397-24-5

%: 85.0000 - 95.0000

GS: LT-UNK

RC: PreC

NANO: NO

ROLE: Core

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities found in the raw material at 1000 ppm.

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

%: 4.0000 - 7.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Reinforcing

HAZARDS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: As manufactured, continuous filament glass fibers in this product are not respirable. No residuals/impurities found in the raw material at 1000 ppm.

UNDISCLOSED

%: 0.3000 - 0.5000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Core strengthening

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary ingredient. No residuals/impurities found in the raw material at 1000 ppm.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

%: 0.2000 - 0.7000	GS: UNK	RC: PostC	NANO: NO	ROLE: Core strengthening
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities found in the raw material at 1000 ppm.

FLY ASH

ID: 68131-74-8

%: 0.2000 - 0.7000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities found in the raw material at 1000 ppm.

STARCH

ID: 9005-25-8

%: 0.1000 - 0.4000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: No residuals/impurities found in the raw material at 1000 ppm.

2-PYRIDINETHIOL, 1-OXIDE, SODIUM SALT

ID: 3811-73-2

%: 0.0100 - 0.1000	GS: LT-P1	RC: None	NANO: NO	ROLE: Biocide
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MULTIPLE

German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

DEVELOPMENTAL

MAK

Pregnancy Risk Group B

SUBSTANCE NOTES: No residuals/impurities found in the raw material 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

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

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

CERTIFICATION AND COMPLIANCE NOTES:

GREENGUARD Certification - Sheetrock® Brand Glass-Mat Panels Mold Tough® VHI Firecode® X

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-06-01	0000-00-00	UL Environment

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

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

MANUFACTURER: USG

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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) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.