# CertainTeed GlasRoc® Tile Backer **by Saint Gobain**

**Health Product Declaration v2.2** 

created via: HPDC Online Builder

**HPD UNIQUE IDENTIFIER: 26378** 

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: CertainTeed GlasRoc® Tile Backer is available in ½" and 5/8" thicknesses. GlasRoc® Tile Backer is a water-resistant gypsum panel product, with an engineered fiberglass face and back mat surface. GlasRoc® Tile Backer is designed to be used as a tile backer in interior wet areas such as bathrooms, laundry and utility rooms, kitchen backsplashes, countertops, and high humidity areas. GlasRoc® Tile Backer is typically used for adhering ceramic tile to walls in bathrooms, shower and tub enclosure walls, laundry and utility rooms, and kitchen backsplashes. 5/8" GlasRoc® Tile Backer is UL/cUL/ULC Classified for Fire Resistance and may be used in multiple UL/cUL/ULC fire-rated designs.

## Section 1: Summary

## **Nested Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

- Nested Materials Method
- C Basic Method

**Threshold Disclosed Per** 

- Material
- Product

**Threshold Level** 

- C 100 ppm
- ⊙ 1,000 ppm
- C Per GHS SDS
- Other

Residuals/Impurities

Considered in 3 of 3 Materials

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** 

**GLASROC® TILE BACKER BASE BOARD [ CALCIUM SULFATE DIHYDRATE LT-UNK FIBERGLASS LT-UNK LIMESTONE BM-3dg** QUARTZ BM-1 | CAN CALCIUM OXIDE (PRIMARY CASRN IS 1305-78-8) BM-2 MAGNESIUM OXIDE BM-3dg | CAN FLY ASH LT-UNK UNDISCLOSED LT-UNK CALCIUM HYDROXIDE LT-P1 METHYLTRICHLOROSILANE LT-P1 | MAM | SKI | EYE | PHY SODIUM POLYNAPHTHALENESULFONATE LT-P1 | PBT POLY(METHYLHYDROSILOXANE) NoGS ] GLASS-MAT INTERIOR FACE [ LIMESTONE BM-3dg CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK POLYVINYL ALCOHOL (PRIMARY CASRN IS 9002-89-5) LT-UNK POLYACRYLIC ACID, SODIUM SALT LT-UNK ] GLASS-MAT BACK SURFACE [ CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK POLYVINYL ALCOHOL LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

#### **INVENTORY AND SCREENING NOTES:**

All raw materials have been screened through the HPD Builder Tool and all residuals and impurities have been noted when applicable.

## **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: UL/GreenGuard Gold Certified VOC emissions: UL/GreenGuard Gold Certified

**CONSISTENCY WITH OTHER PROGRAMS** 

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

O No

PREPARER: Self-Prepared VERIFIER: GreenCircle Certified VERIFICATION #: 6H3-11004

SCREENING DATE: 2021-11-01 PUBLISHED DATE: 2021-11-01 EXPIRY DATE: 2024-11-01



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

#### GLASROC® TILE BACKER BASE BOARD %: 97.0000 - 99.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Other: Gypsum Core Board

RESIDUALS AND IMPURITIES NOTES: Naturally occurring impurities and residuals in the gypsum are evaluated though quality checks, data is available at the manufacturing locations.

OTHER MATERIAL NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers.

**CALCIUM SULFATE DIHYDRATE** ID: 10101-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:41

%: 88.0000 - 98.8000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

**HAZARD TYPE** AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. Calcium Sulfate Dihydrate CAS# 10101-41-4 and Gypsum Rock CAS# 13397-24-5 are incorporated within this product. Although the manufacturers label the materials as two separate CAS# the GS warnings and rankings are identical as are the listings within Pharos. Suppliers are selected based on geographic location to reduce transportation emissions but in the end product has the same functionality and GS rankings. The % range has been verified by Green Circle Certified.

**FIBERGLASS** ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:43

%: 0.1500 - 0.2800 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

**HAZARD TYPE** AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

LIMESTONE ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:47

RC: None NANO: No SUBSTANCE ROLE: Structure component %: 0.0000 - 2.0000 GS: BM-3da

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers SDS and COAs. The % range has been verified by Green Circle Certified.

QUARTZ ID: 14808-60-7

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-01 12:25:47		
%: Impurity/Residual	GS: <b>BM-1</b>	RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)		
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens		
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]		
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]		

SUBSTANCE NOTES: Quartz or Crystalline Silica is a naturally occurring impurity within the gypsum rock, it is intrinsically bound and does not harm the end user. The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified as well as on-going testing from RJ Lee Industrial Hygienists.

## **CALCIUM OXIDE (PRIMARY CASRN IS 1305-78-8)**

ID: 60873-85-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-11-01 12:25:48		
%: 0.0000 - 0.5000	GS: <b>BM-2</b>	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	AGENCY AND LIST TITLES	W	ARNINGS		
None found			No w	arnings found on HPD Priority Hazard Lists	

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

MAGNESIUM OXIDE		ID: <b>1309-48</b> -
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-01 12:25:48
%: 0.0000 - 0.5000	GS: <b>BM-3dg</b>	RC: None NANO: No SUBSTANCE ROLE: Structure componer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

FLY ASH ID: 68131-74-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:49

%: 0.0000 - 2.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:49

%: 0.0000 - 0.4300 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

CALCIUM HYDROXIDE ID: 1305-62-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:46

%: 0.0000 - 5.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

METHYLTRICHLOROSILANE ID: 75-79-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:46

%: 0.0000 - 0.4000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Activator

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

## SODIUM POLYNAPHTHALENESULFONATE

ID: 9084-06-4

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2021-11-01 12:25:44
%: 0.0000 - 0.3800	GS: <b>LT-P1</b>	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
РВТ	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified. Due to the potential health risks of this material, R&D is actively seeking a replacement. This material is bound within the matrix of the board and under proper handling the installer has minimal risk.

## POLY(METHYLHYDROSILOXANE)

ID: 63148-57-2

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCRI	EENING DATE:	2021-11-01 12:25:45
%: 0.0000 - 0.6000	GS: NoGS	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Activator
HAZARD TYPE	AGENCY AND LIST TITLES	WARN	NINGS	

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers. The % range has been verified by Green Circle Certified.

## **GLASS-MAT INTERIOR FACE**

%: 0.8000 - 1.2500

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: Naturally occurring impurities and residuals in the gypsum are evaluated though quality checks, data is available at the manufacturing locations.

OTHER MATERIAL NOTES: The raw material range of this Fiberglass Mat is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers.

LIMESTONE ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:42

%: 40.0000 - 70.0000 GS: BM-3dq RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.

#### **CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:42

%: 20.0000 - 60.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.

## POLYVINYL ALCOHOL (PRIMARY CASRN IS 9002-89-5)

ID: 875587-24-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:44

%: 0.0000 - 10.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.

### POLYACRYLIC ACID, SODIUM SALT

ID: 9003-04-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:45

%: 0.0000 - 10.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: Naturally occurring impurities and residuals in the gypsum are evaluated though quality checks, data is available at the manufacturing locations.

OTHER MATERIAL NOTES: The raw material range is based on content percent from a range of manufacturing locations and board thickness as well as ranges from alternate suppliers.

#### **CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-01 12:25:41		
%: 60.0000 - 95.0000	GS: LT-UNK	RC: None NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No w	varnings found on HPD Priority Hazard Lists	

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.

POLYVINYL ALCOHOL ID: 9002-89-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-01 12:25:43

%: 5.0000 - 40.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The raw material range is based on content percent provided by the veil supplier and the multiple veils that can be used based on availability. Each veil has the same ingredients but can range within the batch as well as within the specifications of the two qualified veils from the supplier. The % range has been verified by Green Circle Certified.



## **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: Third Party

ISSUE DATE: 2020-11- EXPIRY DATE: 2022-

CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: All manufacturing facilities for

03

03-11

03-11

1/2" GlasRoc Tile Backer.

CERTIFICATE URL: https://spot.ul.com/mainapp/products/detail/5fa2fa5555b0e82e301185bb?

page\_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings 1/2" GlasRoc Tile Backer Certificate #186920-420 1/2" GlasRoc Tile Backer - https://spot.ul.com/main-

app/products/detail/5fa2fa5555b0e82e301185bb?page\_type=Products%20Catalog 1/2" GlasRoc Tile Backer -

https://www.certainteed.com/resources/1\_2%20GlasRoc%20Tile%20Backer\_GREENGUARD%20Gold%202022%20Expiration.pdf

#### **VOC EMISSIONS**

#### **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party

ISSUE DATE: 2020-11- EXPIRY DATE: 2022-

CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: All manufacturing facilities for

5/8" GlasRoc Tile Backer Type X.

CERTIFICATE URL: https://spot.ul.com/main-

app/products/detail/5fa2fa5455b0e82e301185b9?

page\_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings 5/8" GlasRoc Tile Backer Type X Certificate # 186919-420 5/8" GlasRoc Tile Backer - https://spot.ul.com/mainapp/products/detail/5fa2fa5455b0e82e301185b9?page\_type=Products%20Catalog 5/8" GlasRoc Tile Backer -

https://www.certainteed.com/resources/5\_8%20GlasRoc%20Tile%20Backer\_GREENGUARD%20Gold%202022%20Expiration.pdf

## 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

All CertainTeed Gypsum wallboard products should be handled and installed per the requirements of the manufacturers SDS. This HPD fails Option 2 under LEED prescreen as the reporting limit of the sourced material is proprietary at the 1000 ppm threshold. For complete Safety and EHS information on any and all CertainTeed Gypsum Products please see https://www.certainteed.com/drywall/. Additional Transparency documentation can be found at https://saintgobain.ecomedes.com/

#### **MANUFACTURER INFORMATION**

MANUFACTURER: Saint Gobain ADDRESS: 20 Moores Road

Malvern PA 19355, United States

WEBSITE: https://www.certainteed.com/drywall/

CONTACT NAME: Mitchell Schittler

TITLE: Gypsum Technical Marketing Manager

PHONE: **610-893-6000** 

EMAIL: Mitchell.L.Schittler@saint-gobain.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

## KEY

**Hazard Types** 

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

EYE Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

**NEU** Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

### 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 (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the

information contained within the list did not result in a clear mapping

to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

#### **Recycled Types**

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### Inventory Methods:

Other Terms:

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.