

**CLASSIFICATION:** 09 68 16

**PRODUCT DESCRIPTION:** Mannington's broadloom backing, UltraBac® RE, affords both environmental and performance attributes. UltraBac® RE contains a minimum of 10% post-consumer recycled content by total product weight and is certified NSF/ANSI-140 Platinum. All products on UltraBac® RE are backed with a lifetime non-prorated warranty to not edge ravel, zipper or delaminate.

## 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**

**ULTRABAC® RE BROADLOOM CARPET [ NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6-HEXANEDIYL)IMINO-1,6-HEXANEDIYL]) LT-UNK NYLON 6 (POLY[HEXANO-6-LACTAM]) LT-UNK LIMESTONE; CALCIUM CARBONATE LT-UNK STYRENE BUTADIENE RUBBER (SBR) LT-UNK CALCIUM CARBONATE BM-3 POLYPROPYLENE LT-UNK MAGNESIUM OXIDE LT-UNK | CAN QUARTZ LT-1 | CAN ALUMINUM OXIDE LT-P1 | RES ALUMINA TRIHYDRATE BM-2 | RES TITANIUM DIOXIDE LT-1 | CAN | END ANATASE TITANIUM DIOXIDE LT-1 | CAN PHOSPHINIC ACID, MANGANESE(2++) SALT (2:1) LT-UNK CASTOR OIL, ETHOXYLATED, DIOLEATE, MINIMUM NUMBER AVERAGE MOLECULAR WEIGHT (IN AMU), 1260 LT-UNK POLY(OXY-1,2-ETHANEDIYL), ALPHA-METHYL-OMEGA-(2-PROPEN-1-YLOXY)- LT-UNK BUTANEDIOIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2) NoGS FATTY ACIDS, TALL-OIL, ETHOXYLATED PROPOXYLATED LT-UNK SILOXANES AND SILICONES, DI-ME, 3-HYDROXYPROPYL ME, ETHERS WITH POLYETHYLENE GLYCOL MONO-ME ETHER LT-P1 COCONUT OIL NoGS 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHYL 2-PROPENOATE, SODIUM SALT LT-UNK FATTY ACIDS, C16-18 AND C18-UNSATD., BRANCHED AND LINEAR, ETHOXYLATED LT-UNK POTASSIUM HYDROXIDE LT-P1 | SKI STARCH LT-UNK ]**

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:

### 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: CRI Green Label Plus - Carpets

Multi-attribute: NSF/ANS 140-2015 - Platinum

### 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: 2018-06-27

PUBLISHED DATE: 2018-06-27

EXPIRY DATE: 2021-06-27



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

### ULTRABAC® RE BROADLOOM CARPET

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered and those that fall above threshold are included.

OTHER PRODUCT NOTES: A range is given for the substances due to variances in face weight and to protect the proprietary nature of the formulation.

#### NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6- HEXANEDIYL)IMINO-1,6-HEXANEDIYL])

ID: 32131-17-2

#: 30.0000 - 40.0000 GS: LT-UNK RC: None NANO: No ROLE: Face Fiber [ALT]

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

#### NYLON 6 (POLY[HEXANO-6-LACTAM])

ID: 25038-54-4

#: 30.0000 - 40.0000 GS: LT-UNK RC: Both NANO: No ROLE: Face Fiber [ALT]

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from manufacturing waste streams and post-consumer sources being sent to the supplier.

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 15.0000 - 25.0000 GS: LT-UNK RC: None NANO: No ROLE: Secondary Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**STYRENE BUTADIENE RUBBER (SBR)**

ID: 9003-55-8

%: <b>15.0000 - 20.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**CALCIUM CARBONATE**

ID: 471-34-1

%: <b>5.0000 - 10.0000</b>	GS: <b>BM-3</b>	RC: <b>PostC</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from used construction products being sent to the supplier.

**POLYPROPYLENE**

ID: 9003-07-0

%: <b>5.0000 - 10.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Primary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**MAGNESIUM OXIDE**

ID: 1309-48-4

%: <b>1.0000 - 3.0000</b>	GS: <b>LT-UNK</b>	RC: <b>PostC</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from used construction products being sent to the supplier.

**QUARTZ**

ID: 14808-60-7

%: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Australia - GHS	H350 - May cause cancer
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. This substance is considered a residual/impurity from the supplier and is contained within this product at 1-3%.

## ALUMINUM OXIDE

ID: 1344-28-1

#: **1.0000 - 2.0000** GS: **LT-P1** RC: **PostC** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from used construction products being sent to the supplier.

## ALUMINA TRIHYDRATE

ID: 21645-51-2

#: **0.1000 - 1.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

## TITANIUM DIOXIDE

ID: 13463-67-7

#: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### ANATASE TITANIUM DIOXIDE

ID: 1317-70-0

#: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### PHOSPHINIC ACID, MANGANESE(2++) SALT (2:1)

ID: 10043-84-2

#: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### CASTOR OIL, ETHOXYLATED, DIOLATE, MINIMUM NUMBER AVERAGE MOLECULAR WEIGHT (IN AMU), 1260

ID: 110531-96-9

#: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### POLY(OXY-1,2-ETHANEDIYL), ALPHA-METHYL-OMEGA-(2-PROPEN-1-YLOXY)-

ID: 27252-80-8

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**BUTANEDIOIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2)**

ID: **58641-28-4**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**FATTY ACIDS, TALL-OIL, ETHOXYLATED PROPOXYLATED**

ID: **67784-86-5**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**SILOXANES AND SILICONES, DI-ME, 3-HYDROXYPROPYL ME, ETHERS WITH POLYETHYLENE GLYCOL MONO-ME ETHER**

ID: **68938-54-5**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**COCONUT OIL**

ID: **8001-31-8**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHYL 2-**

ID: **41487-53-0**

**PROPENOATE, SODIUM SALT**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**FATTY ACIDS, C16-18 AND C18-UNSATD., BRANCHED AND LINEAR, ETHOXYLATED**ID: **96349-73-4**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**POTASSIUM HYDROXIDE**ID: **1310-58-3**%: **0.1000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**STARCH**ID: **9005-25-8**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.



## 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

### CRI Green Label Plus - Carpets

CERTIFYING PARTY: **Second Party**

ISSUE DATE: **2004-06-07**

EXPIRY DATE: **2019-03-31**

CERTIFIER OR LAB: **Carpet and Rug Institute**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **GLP2278**

### MULTI-ATTRIBUTE

### NSF/ANS 140-2015 - Platinum

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-07-01**

EXPIRY DATE: **2021-06-30**

CERTIFIER OR LAB: **SCS Global Services**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **SCS-SCC-01524**

## 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.*

### ULTRA ADHESIVE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Ultra Solvent-Free, Premium Carpet Adhesive is a high solid, white latex based adhesive formulated specifically to provide superior bonding strength for installing Mannington latex and polyurethane backed carpets. Ultra Adhesive is freeze thaw stable, and has permanent antimicrobial protection. Ultra Adhesive is the appropriate adhesive for installing Mannington's UltraBac® RE products. Ultra Adhesive may be used for installations over concrete subfloors with up to 5 pounds moisture vapor emissions as determined by Calcium Chloride Test (ASTM F 1869), or 80% relative humidity (ASTM F 2170) and pH of 9. Installation instructions and SDS documentation can be found at [www.manningtoncommercial.com](http://www.manningtoncommercial.com).

### M-GUARD ULTRA ADHESIVE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

M-Guard Ultra Premium Carpet Adhesive is a solvent-free, very high solids ultra premium commercial carpet adhesive, formulated specifically to provide superior bonding strength for installing Mannington latex and polyurethane backed carpets. M-Guard Ultra is freeze thaw stable and has permanent antimicrobial protection. M-Guard Ultra may be used for installations over concrete subfloors with up to 8 pounds moisture vapor emissions as determined by Calcium Chloride Test (ASTM F 1869), or 90% relative humidity (ASTM F 2170) and pH of 10. Installation instructions and SDS documentation can be found at [www.manningtoncommercial.com](http://www.manningtoncommercial.com).

## Section 5: General Notes

Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Mannington Mills**

ADDRESS: **1844 US Highway 41 S.E.**

**Calhoun GA 30701, USA**

WEBSITE: **www.manningtoncommercial.com**

CONTACT NAME: **Dave Kitts**

TITLE: **VP - Environment**

PHONE: **856-339-5871**

EMAIL: **dave\_kitts@mannington.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.*