Marmoleum Sheet by Forbo Flooring Systems

HPD UNIQUE IDENTIFIER: 26062

CLASSIFICATION: 09 65 16 Resilient Sheet Flooring

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Marmoleum Sheet is a homogeneous floor covering made from natural ingredients including linseed oil, rosin binders, wood flour, limestone, and dry pigments which are mixed and calendared onto a natural jute backing. Marmoleum features Topshield2, which is a high performance, double UV cured factory applied finish that makes the product "occupancy ready" after installation. The double UV cured layer technology delivers color clarity and vibrancy, along with extraordinary wear performance by providing a surface that can be repaired after accidents or restored after years of intensive use. The thickness of Marmoleum Sheet varies by collection. The standard thickness is 2.5mm (1/10"). Marmoleum Composition Sheet (MCS) is available in 2.0mm (0.08"). Marmoleum sheet is packaged on a roll that is 79" (2 meters) wide with a maximum length of 105' (32 meters).

🟮 Section 1: Summary

CONTENT INVENTORY

- Inventory Reporting Format
- Nested Materials Method
 Basic Method
- Threshold Disclosed Per
- Material
- O Product

Threshold level O 100 ppm O 1,000 ppm O Per GHS SDS O Other Residuals/Impurities C Considered Partially Considered Not Considered Explanation(s) provided for Residuals/Impurities? C Yes C No

Basic Method / Product Threshold

Health Product

Declaration v2.2

All Substances Above the Thr Characterized	eshold Indicated Are: C Yes Ex/SC C Yes C No
% weight and role provided for	or all substances.
Screened	○ Yes Ex/SC
All substances screened using results disclosed.	g Priority Hazard Lists with
Identified	○ Yes Ex/SC
All substances disclosed by N and Identifier.	lame (Specific or Generic)

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

MARMOLEUM SHEET [CELLULOSE PULP (CELLULOSE PULP (SC: WOOD FLOUR)) NoGS LINSEED OIL NoGS LIMESTONE; CALCIUM CARBONATE LT-UNK TALL OIL LT-P1 | SKI | RES | MUL CELLULOSE, MICROCRYSTALLINE (CELLULOSE, MICROCRYSTALLINE (SC: JUTE)) NoGS GUM ROSIN LT-P1 | SKI POLYURETHANE FOAMS LT-UNK IRON OXIDE LT-UNK | CAN FERRIC OXIDE YELLOW LT-UNK FERRIC OXIDE BM-2 | CAN TITANIUM DIOXIDE LT-1 | CAN | END 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE LT-UNK]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

(%) ranges for ingredients are used as a means of keeping the exact formulations proprietary.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings,

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) -Classroom & Office scenario LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

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: 2019-01-09 PUBLISHED DATE: 2021-09-12 EXPIRY DATE: 2022-01-09 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

RODUCT THRESHOLD: 1000	ppm RESIDUALS AN	D IMPURITIES	CONSIDERED:	No	
ESIDUALS AND IMPURITIES	NOTES: No residuals or impurities are expecte	d to be present	in the product a	at or above the reporting the	reshold.
THER PRODUCT NOTES: N/A	A				
CELLULOSE PULP (CELLUL	OSE PULP (SC: WOOD FLOUR))			ID: 0	65996-61- [,]
HAZARD SCREENING METH	OD: Pharos Chemical and Materials Library	HAZARD SCF	EENING DATE:	2019-01-10 5:06:35	
%: 22.0000 - 35.0000	GS: NoGS	RC: PreC	NANO: No	SUBSTANCE ROLE: Fi	ller
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
None found			No warning	s found on HPD Priority Ha	zard Lists
human health effects and sy	rs for human and environment: Adverse physion (mptoms: N/A Adverse environmental effects: I N/A INDEX-NO: N/A REACH Registration No: N	N/A Other adve	rse hazards: Sub	stance is combustible. Sub	ostance
human health effects and sy related information: EC-No: Impurities: N/A	ymptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N	V/A Other adve	rse hazards: Sub % Synonyms: N/	ostance is combustible. Sub A Stabilizers: N/A Hazardon	ostance us
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO	ymptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N OD: Pharos Chemical and Materials Library	V/A Other adve J/A Purity: 100 HAZARD SCF	rse hazards: Sub % Synonyms: N/ REENING DATE:	ostance is combustible. Sub A Stabilizers: N/A Hazardon ID: 2019-01-10 5:06:35	ostance us 8001-26-
human health effects and sy related information: EC-No: Impurities: N/A	ymptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N	V/A Other adve	rse hazards: Sub % Synonyms: N/	ostance is combustible. Sub A Stabilizers: N/A Hazardon	ostance us 8001-26-
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO	ymptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N OD: Pharos Chemical and Materials Library	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None	rse hazards: Sub % Synonyms: N/ REENING DATE:	ostance is combustible. Sub A Stabilizers: N/A Hazardon ID: 2019-01-10 5:06:35	ostance us 8001-26-
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000	Main Market Schemical and Materials Library GS: NoGS	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS	ostance is combustible. Sub A Stabilizers: N/A Hazardon ID: 2019-01-10 5:06:35	stance us 8001-26- nder
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000 HAZARD TYPE	Main Market Schemical and Materials Library GS: NoGS	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS	SUBSTANCE ROLE: Bin	stance us 8001-26- nder
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000 HAZARD TYPE None found SUBSTANCE NOTES:	(mptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N OD: Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS	SUBSTANCE ROLE: Bin s found on HPD Priority Ha	stance us 8001-26- nder zard Lists
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000 HAZARD TYPE None found SUBSTANCE NOTES: LIMESTONE; CALCIUM CAR	(mptoms: N/A Adverse environmental effects: N/A INDEX-NO: N/A REACH Registration No: N OD: Pharos Chemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None WAR	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS No warning	ID: 2019-01-10 5:06:35 SUBSTANCE ROLE: Bin IS found on HPD Priority Ha	stance us 8001-26- nder zard Lists
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000 HAZARD TYPE None found SUBSTANCE NOTES: LIMESTONE; CALCIUM CAR	Main Market Schemical and Materials Library GS: NoGS AGENCY AND LIST TITLES	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None WAR	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS No warning	ID: 2019-01-10 5:06:35 SUBSTANCE ROLE: Bin IS found on HPD Priority Ha	stance us 8001-26- nder zard Lists
human health effects and sy related information: EC-No: Impurities: N/A LINSEED OIL HAZARD SCREENING METHO %: 19.0000 - 26.0000 HAZARD TYPE None found SUBSTANCE NOTES: LIMESTONE; CALCIUM CAR HAZARD SCREENING METHO	Main Market Schemical and Materials Library GS: NoGS AGENCY AND LIST TITLES BONATE OD: Pharos Chemical and Materials Library	V/A Other adve I/A Purity: 100 HAZARD SCF RC: None WAR HAZARD SCF RC: None	rse hazards: Sub % Synonyms: N/ REENING DATE: NANO: No NINGS No warning REENING DATE:	2019-01-10 5:06:35 SUBSTANCE ROLE: Bin ID: 2019-01-10 5:06:35	stance us 8001-26- nder zard Lists

TALL OIL

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARI	D SCRI	EENING DATE:	2019-01-10 5:06:35
%: 9.0000 - 13.0000	GS: LT-P1	RC: Pre	С	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	IINGS	
SKI	МАК		Sensit	tizing Substance	e Sh - Danger of skin sensitization
RES	AOEC - Asthmagens		Asthm	nagen (Rs) - sen	nsitizer-induced
MUL	German FEA - Substances Hazardous Waters	to	Class	2 - Hazard to W	Vaters
SUBSTANCE NOTES:					

CELLULOSE, MICROCRYSTALL (SC: JUTE))	INE (CELLULOSE, MICROCRYSTALLINE			ID: 9004-34-6
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD S	CREENING [DATE: 2019-01-10 5:06:35
%: 9.0000 - 10.0000	GS: NoGS	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: Category = Plant-based materials – plant based fibers such as cotton, hemp, ramie, rice husks, and coconut fiber This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Cellulose is mix of different species of wood. The specific brand name that Forbo Flooring Systems uses in Marmoleum is Lignocel C 120. LIGNOCEL® C 120 is not classified as dangerous according to directive 67/548/EEC, directive 1999/45/EC and regulation 1272/2008 (CLP). Information pertaining to special dangers for human and environment: Adverse physiochemical effects: Capable of causing dust explosions. Adverse human health effects and symptoms: N/A Adverse environmental effects: N/A Other adverse hazards: Substance is combustible. Substance related information: EC-No: N/A INDEX-NO: N/A REACH Registration No: N/A Purity: 100 % Synonyms: N/A Stabilizers: N/A Hazardous Impurities: N/A

GUM ROSIN					ID: 8050-09-7
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCP	EENING DATE:	2019-01-10 5:06:35	
%: 1.5000 - 2.5000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE	Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
SKI	МАК	Sens	itizing Substance	e Sh - Danger of skin se	ensitization
SKI	EU - GHS (H-Statements)	H317	' - May cause an	allergic skin reaction	
SUBSTANCE NOTES:					
POLYURETHANE FOAMS					ID: 9009-54-5
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCP	EENING DATE:	2019-01-10 5:06:35	
%: 0.1000 - 0.3000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE	Coating
malaum Shaat					

HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
None found			No warning	gs found on HPD Priori	ty Hazard Lists
SUBSTANCE NOTES: Finish cor	ntains no Isocyanates.				
IRON OXIDE					ID: 1317-61-9
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2019-01-10 5:06:35	
%: 0.1000 - 4.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE	E: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
CAN	МАК		inogen Group 3E ot sufficient for	3 - Evidence of carcino classification	ogenic effects
SUBSTANCE NOTES:					
-					
FERRIC OXIDE YELLOW					ID: 51274-00-1
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCR	REENING DATE:	2019-01-10 5:06:35	
%: 0.1000 - 4.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE	E: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
None found			No warning	gs found on HPD Priori	ty Hazard Lists
SUBSTANCE NOTES:					
FERRIC OXIDE					ID: 1309-37-1
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2019-01-10 5:06:35	
%: 0.1000 - 4.0000	GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE	E: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WAR	NINGS		
CAN	МАК		inogen Group 3E ot sufficient for	3 - Evidence of carcino classification	ogenic effects
SUBSTANCE NOTES:					
TITANIUM DIOXIDE					ID: 13463-67-7
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2019-01-10 5:06:35	
%: 0.1000 - 4.0000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE	: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
CAN	US CDC - Occupational Carcinogens	Occ	upational Carcino	ogen
CAN	CA EPA - Prop 65	Carc	vinogen - specific	to chemical form or exposure route
CAN	IARC		up 2B - Possibly on occupational so	carcinogenic to humans - inhaled purces
CAN	MAK			A - Evidence of carcinogenic effects establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	; Pote	ential Endocrine D	Disruptor
CAN	МАК		cinogen Group 4 - under MAK/BAT	- Non-genotoxic carcinogen with low levels
SUBSTANCE NOTES: The titanium dioxide (TiO2) is bound within the product, requiring no further labeling. Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Titanium Dioxide. This HPD will be updated as appropriate when these guidelines become available. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full GS (GreenScreen) method" hpdrepository.hpd-collaborative.org HPD v2.1 created via HPDC Builder Page 2 of 12 (http://ow.ly/Z5ken).				
2-PROPENOIC ACID, 2-METHYL-, PROPENOATE AND METHYL 2-M				ID: 25133-97-5
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2019-01-10 5:06:35
%: 0.1000 - 0.3000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
None found			No warning	to found on HPD Priority Hozord Listo

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Finish contains no Isocyanates.

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	CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario			
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL:	ISSUE DATE: 2017-07- 05	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley Analytical	
CERTIFICATION AND COMPLIANCE NOTES:				
LCA	Environmental Product	Declaration (EPD) by UL	- Industry Generic	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: The Green Standard CERTIFICATE URL: https://www.forbo.com/flooring/en- us/environment/pmwz1i	ISSUE DATE: 2018-01- 05	EXPIRY DATE: 2023- 01-05	CERTIFIER OR LAB: UL Environment	
CERTIFICATION AND COMPLIANCE NOTES:				
• Section 4: Accessories This section lists related products or materials that the manu maintenance, cleaning, or operations. For information relating Declarations, if available.				
FORBO L 885 ADHESIVE (VOC 0.00 G/L)	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/C Standard recommended adhesive used for installation.	OR OTHER NOTES:			
FORBO SUSTAIN 100 ADHESIVE (VOC 0.00 G/L)	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/C Alternative adhesive that can be used for installation.	OR OTHER NOTES:			
FORBO SUSTAIN 1195 ADHESIVE (VOC 0.00 G/L)	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/O Alternative adhesive that can be used with installation.	OR OTHER NOTES:			
FORBO SUSTAIN 1299 ADHESIVE (VOC 0.00 G/L)	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/O Alternative adhesive that can be used with installation.	OR OTHER NOTES:			
FORBO 660 ADHESIVE (VOC 12.00 G/L)	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/O Alternative adhesive that can be used with installation.	OR OTHER NOTES:			
FORBO ADHESIVE REMOVER	HPD URL:	No HPD available		
CONDITION WHEN RECOMMENDED OR REQUIRED AND/C	OR OTHER NOTES:			

NEUTRAL PH CLEANER	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for routine cleaning.	DTES:
READY TO USE NEUTRAL PH CLEANER	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for routine cleaning.	DTES:
HEAVY DUTY CLEANER	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for interim maintenance.	DTES:
FORBO MOP ON RESTORER	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for interim maintenance.	DTES:
FORBO SPRAY BUFF	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for interim maintenance.	DTES:
FORBO MATTE FINISH	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for interim maintenance.	DTES:
FORBO GLOSS FINISH	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used for interim maintenance.	DTES:
FORBO WALL BASE	HPD URL: http://www.forboflooringna.com
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NO Can be used with Marmoleum Sheet installation using the recommended	

Section 5: General Notes

Products lines that fall under the category of Marmoleum Sheet are the following: Real, Fresco, Cocoa, Concrete, Slate, Vivace, Piano, Splash, Terra, Marbled, Cirrus, and Marmoleum Composition Sheet (MCS). Marmoleum Sheet contains no Isocyanates.

MANUFACTURER INFORMATION

MANUFACTURER: Forbo Flooring Systems ADDRESS: 8 Maplewood Drive Hazle Township PA 18202, United States WEBSITE: www.forboflooringna.com

CONTACT NAME: Shannon Wolski-Konecnik TITLE: Product Support and Education Services Administrator PHONE: 570-450-0319 EMAIL: shannon.wolski@forbo.com

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

to a LT-1 or LTP1 score.)

NoGS No GreenScreen.

LT-UNK List Translator Benchmark Unknown (the chemical is

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

present on at least one GreenScreen Specified List, but the

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)

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

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Other Terms:

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

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.