

HPD UNIQUE IDENTIFIER: 29139

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: VCT offers the right combination of color, pattern, and performance to meet the demand of modern interiors. Its durable construction ensures lasting beauty in high-traffic areas, while flowing linear patterns and non-directional visuals effectively mask scuffs and soil. With decades of proven performance, VCT is a classic, economical value with a low carbon footprint.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes ☒ Ex/SC ☐ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes ☒ Ex/SC ☐ Yes ☐ No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> Identified ☐ Yes ☒ Ex/SC ☐ Yes ☒ No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>
☐ Nested Materials Method	☐ 100 ppm	☒ Considered	
☒ Basic Method	☒ 1,000 ppm	☐ Partially Considered	
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	
☒ Product		☒ 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

VINYL CHLORIDE VINYL ACETATE COPOLYMER **LT-UNK** POLYVINYL CHLORIDE **LT-P1** | RES BIS(2-ETHYLHEXYL) TEREPHTHALATE **BM-3dg** TITANIUM DIOXIDE **LT-1** | CAN | END QUARTZ **BM-1** | CAN DOLOMITE **NoGS** TRIETHYLENE GLYCOL DI(2-ETHYLHEXOATE) **LT-UNK** WATER **BM-4** 2-ETHYLHEXYL METHYL TEREPHTHALATE **NoGS** FERRIC OXIDE, YELLOW **LT-UNK** ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL (POLY(VINYL BUTYRAL-CO-VINYL ALCOHOL-CO-VINYL ACETATE)) **LT-UNK** POLYVINYL BUTYRAL **LT-UNK** DIPROPYLENE GLYCOL DIBENZOATE **LT-P1** | MUL DIBUTYL TEREPHTHALATE (TEREPHTHALIC ACID, DIBUTYL ESTER) **NoGS** DIBUTYL SEBACATE **LT-UNK** PIGMENT BLUE 15 **BM-3** TREMOLITE (NON-ASBESTOS) **LT-1** | CAN CARBON BLACK **BM-1** | CAN LIMESTONE **BM-3dg** FERROSOFERRIC OXIDE **BM-1** | CAN FERRIC OXIDE **BM-1** | CAN CALCIUM HYDROXIDE **LT-P1** DIETHYLENE GLYCOL DIBENZOATE **LT-P1** | MUL]

Number of Greenscreen BM-4/BM3 contents ... 2

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

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: RFCI FloorScore

LCA: Environmental Product Declaration (EPD) by ASTM

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

☐ Yes
☒ No

VERIFIER:
VERIFICATION #:

PUBLISHED DATE: 2022-07-08
EXPIRY DATE: 2025-07-04

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

VINYL COMPOSITION TILE (VCT)

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.	
OTHER PRODUCT NOTES: Standard Excelon Imperial Texture VCT contains up to 25% recycled content (20% pre-consumer, 5% post-consumer).	

VINYL CHLORIDE VINYL ACETATE COPOLYMERID: 9003-22-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:11		
%: 4.0000 - 7.0000	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:				

POLYVINYL CHLORIDEID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:10		
%: 4.0000 - 8.0000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES:				

BIS(2-ETHYLHEXYL) TEREPHTHALATEID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:11		
%: 2.8000 - 4.8000	GS: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

TITANIUM DIOXIDEID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:12		
%: 0.3000 - 0.9000		GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES: Pigment is bound within the product matrix and does not pose an inhalation hazard.					

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:13		
%: 0.1000 - 1.8000		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity
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 - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]		
CAN	GHS - Australia		H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - New Zealand		Carcinogenicity category 1		
SUBSTANCE NOTES: Naturally occurring mineral within limestone.					

DOLOMITE

ID: 16389-88-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:16	
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%: 0.0000 - 90.0000		GS: NoGS	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: Dolomite content varies by plant of manufacture and pattern. See also: Limestone (1317-65-3)					

TRIETHYLENE GLYCOL DI(2-ETHYLHEXOATE)					ID: 94-28-0
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:19		
%: 0.0000 - 0.6000		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: Component of select binder packages.					

WATER				ID: 7732-18-5
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 16:58:48		
%: 0.0000 - 1.0000	GS: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Impurity
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

2-ETHYLHEXYL METHYL TEREPHTHALATE					ID: 63468-13-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 16:57:09		
%: 0.0000 - 0.1500		GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

FERRIC OXIDE, YELLOW				ID: 51274-00-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:18		
%: 0.0000 - 0.2000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL (POLY(VINYL BUTYRAL-CO-VINYL ALCOHOL-CO-VINYL ACETATE))

ID: 27360-07-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:18		
%: 0.0000 - 2.0000	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: Content varies upon raw material batching. See also: Polyvinyl butyral (63148-65-2).				

POLYVINYL BUTYRAL

ID: 63148-65-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:17		
%: 0.0000 - 2.0000	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: Content varies upon raw material batching. See also: Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) (27360-07-2)				

DIPROPYLENE GLYCOL DIBENZOATE

ID: 27138-31-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:17		
%: 0.0000 - 0.4000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES:				

DIBUTYL TEREPHTHALATE (TEREPHTHALIC ACID, DIBUTYL ESTER)

ID: 1962-75-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:16		
%: 0.0000 - 0.4000	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

DIBUTYL SEBACATE

ID: 109-43-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:15		
%: 0.0000 - 0.2000	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: Component of binder package.		

PIGMENT BLUE 15

ID: 147-14-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:15		
%: 0.0000 - 0.2000	GS: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

TREMOLITE (NON-ASBESTOS)

ID: 14567-73-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:14		
%: Impurity/Residual	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]		
SUBSTANCE NOTES: NON-ASBESTOS. Naturally occurring impurity within limestone.				

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-04 17:01:13			
%: 0.0000 - 1.0000		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route		
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
SUBSTANCE NOTES: Pigment present within select patterns. Pigment is bound within product matrix and does not pose inhalation hazard.					

LIMESTONE					ID: 1317-65-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library					HAZARD SCREENING DATE: 2022-07-04 17:01:13
%: 0.0000 - 90.0000		GS: BM-3dg	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: Limestone content varies by plant of manufacture and pattern. See also: Dolomite (16389-88-1)					

FERROSOFERRIC OXIDE					ID: 1317-61-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:14		
%: 0.0000 - 0.5000		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
SUBSTANCE NOTES:					

FERRIC OXIDE					ID: 1309-37-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:20		
%: 0.0000 - 0.5000		GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
SUBSTANCE NOTES:					

CALCIUM HYDROXIDE					ID: 1305-62-0
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:21		
%: 0.0000 - 0.2000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

DIETHYLENE GLYCOL DIBENZOATE					ID: 120-55-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-07-04 17:01:21		
%: 0.0000 - 0.4000		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES:		

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	RFCI FloorScore		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Jackson, Mississippi Kankakee, Illinois CERTIFICATE URL: https://www.scsglobalservices.com/certified-clients/certificates/3852	ISSUE DATE: 2021-09-01	EXPIRY DATE: 2022-08-31	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES: Registration #SCS-FS-01337 Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0. Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 1350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017) For more information: http://www.scsglobalservices.com/certified-green-products-guide			
LCA	Environmental Product Declaration (EPD) by ASTM		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Jackson, Mississippi Kankakee, Illinois CERTIFICATE URL: https://www.armstrongflooring.com/pdbupimages-flr/225096.pdf	ISSUE DATE: 2019-12-20	EXPIRY DATE: 2024-12-20	CERTIFIER OR LAB: ASTM International
CERTIFICATION AND COMPLIANCE NOTES: Declaration Number: EPD-0001 Declaration Type: Product-Specific, Type III This declaration and the rules on which this EPD is based have been examined by an independent external verifier in accordance with ISO 14025 and ISO 21930. This life cycle assessment (LCA) was independently verified in accordance with ISO 14044 and the reference PCR.			

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.

S-515 TILE STRONG™ CLEAR THIN SPREAD ADHESIVE	HPD URL: No HPD Available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Water-based/latex resin adhesive recommended for installation of VCT. FloorScore Certified: https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=32079 VOC Content: 0 g/L; calculated and reported, SCAQMD 1168. For additional information and LEED credit applicability, visit www.floorexpert.com	
S-525 CLEAR THIN SPREAD BIO-BASED TILE ADHESIVE	HPD URL: No HPD Available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Water-based/latex resin suitable for use with VCT. FloorScore Certified: https://www.scsglobalservices.com/certified-clients/certificates/14013 VOC Content: 16.2 g/L, calculated and reported, SCAQMD 1168 For additional information and LEED credit applicability, visit www.floorexpert.com	

Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information Armstrong Flooring expresses no opinion and makes no representations as to the applicability suitability accuracy or completeness of the declaration form or the standards rules classifications warnings or criteria utilized or referenced therein. Information herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongflooring.com as well as by the additional Vinyl Composition Tile (VCT)

ingredient information provided for specified substances. Please refer to the Armstrong Flooring website for more information on this product.

MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong Flooring, Inc.**
ADDRESS: **1740 Hempstead Road**
Lancaster Pennsylvania 17601, United States
WEBSITE: **www.armstrongflooring.com**

CONTACT NAME: **TechLine**
TITLE: **Customer Service**
PHONE: **1-888-276-7876**
EMAIL: **fpotechline@armstrongflooring.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
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)	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

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.