

HPD UNIQUE IDENTIFIER: 1764642584576

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: Loose laying floor panels, with 8.5mm thickness, to be used as an interior floor covering, in accordance with EN 16511. KENKOTREND is a multi-layer floating floor with a PVC-free (Polyolefin) abrasion-resistant decorative top layer, a middle layer of high-density agglomerated cork, a compact high density fibreboard core, and improved sound reduction cork backing. The core material is tongued and grooved with a special profile design (Uniclic®) to allow the panels to be assembled together mechanically, without the use of glue.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
☐ Nested Materials Method	☐ 100 ppm	☒ Completed	Characterized ☒ Yes ☐ No
☒ Basic Method	☒ 1,000 ppm	☐ Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Completed	Screened ☐ Yes ☒ No
☐ Material	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☒ Product		☒ Yes ☐ No	Identified ☐ Yes ☒ No
			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*

GREENSCREEN SCORE | HAZARD TYPE

KENKOTREND [**UREA-MELAMINE-FORMALDEHYDE RESIN** **LT-UNK** **WATER** **BM-4** **PARAFFIN WAX EMULSION** **LT-1**] CAN | MUL | DEV **POLYOLEFIN** Not Screened **SYNTHETIC RESIN** Not Screened **TOLUENE DIISOCYANATE BASED PREPOLYMER** **LT-UNK**] SKI | EYE | MAM **4,4'-METHYLENEDIPHENYL DIISOCYANATE, ISOMERS AND HOMOLOGUES** **LT-UNK**] CAN | RES | EYE | SKI | MAM **PREPOLYMER BASED AROMATIC POLYISOCYANATE** **NoGS** **TITANIUM DIOXIDE** **BM-1**] CAN | END | MAM **WOOD CHIPS CORK**]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [BiologicalMaterial]

Products have been screened at a threshold of 1000 ppm and are listed in the Content Inventory Section. Cork and Wood chips are listed as Materials since they are both biological substances and have no CAS#.

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: AgBB evaluation scheme 2015 (building products emissions)

Formaldehyde emissions: CARB Composite Wood ATCM CA 93120 Phase 2

Management: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2024-04-05
☐ Yes	VERIFIER:	PUBLISHED DATE: 2024-04-05
☒ No	VERIFICATION #:	EXPIRY DATE: 2027-04-05

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

KENKOTREND

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been evaluated.

OTHER PRODUCT NOTES: No other product notes to add.

WOOD CHIPS

ID: Biological Material

HAZARD DATA SOURCE: HPDC Special Conditions Policy

%: 66.1560 - 71.3110

GreenScreen: Not Required

RC: PreC

NANO: No

MATERIAL ROLE: Structure component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening is not applicable to this Special Condition

BIOLOGICAL MATERIALS CATEGORY: Tree-based materials

INGREDIENT DESCRIPTION: Woodchips are small- to medium-sized pieces of wood formed by cutting or chipping larger pieces of wood such as trees, branches, logging residues, stumps, and roots.

MATERIAL CONTENT NOTES: Wood Chips are the primary material in the high density fiberboard, which make up 81 - 90% of this product.

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.

UREA-MELAMINE-FORMALDEHYDE RESIN

ID: 25036-13-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-04-05 7:39:02

%: 7.7330 - 17.1830

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES:

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2024-04-05 7:39:02**

%: **3.4370 - 9.0210**

GreenScreen: **BM-4**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Diluent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

CORK

ID: Biological Material

HAZARD DATA SOURCE: **HPDC Special Conditions Policy**

%: **8.3710 - 8.9590**

GreenScreen: **Not Required**

RC: **PreC**

NANO: **No**

MATERIAL ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
		Hazard Screening is not applicable to this Special Condition

BIOLOGICAL MATERIALS CATEGORY: Tree-based materials

INGREDIENT DESCRIPTION: Cork is an impermeable buoyant material, the phellem layer of bark tissue that is harvested for commercial use from Quercus suber L (the cork oak).

MATERIAL CONTENT NOTES: Cork, the bark of the cork oak tree, is a natural, renewable, biodegradable and fully recyclable biomaterial. Cork is a primary material for the middle layer and backing of this product, about 8 - 9% of the total mass of the product.

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.

PARAFFIN WAX EMULSION

ID: 64742-61-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-04-05 7:39:02

%: 0.8590 - 2.3630

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Water resistance

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products

SUBSTANCE NOTES:

POLYOLEFIN

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

%: 1.9560 - 2.0090

GreenScreen: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
	Hazard Screening not performed	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
	Additional Hazard Screening not performed	
SUBSTANCE NOTES: Polyolefin is a lightweight, flexible, thermoplastic material that is the main substance of the polypropylene top layer film.		

SYNTHETIC RESIN

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: Not Screened	
%: 0.3970 - 0.4490	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Synthetic Resin is part of the abrasion-resistant finish of the polypropylene film				

TOLUENE DIISOCYANATE BASED PREPOLYMER

ID: 57516-88-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-04-05 7:39:02		
%: 0.2920 - 0.3890	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]		
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

4,4'-METHYLENEDIPHENYL DIISOCYANATE, ISOMERS AND HOMOLOGUES

ID: 9016-87-9

%: **0.1950 - 0.2920**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - New Zealand	Acute inhalation toxicity category 2
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	GHS - Japan	H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products

SUBSTANCE NOTES:

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-04-05 7:39:03	
%: 0.0970 - 0.1950	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-04-05 7:39:03	
%: 0.0790 - 0.1590	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	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	IARC	Group 2b - Possibly carcinogenic to humans		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
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	UL/GreenGuard Gold Certified	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5b5730e955b0e84d64f61cb3?page_type=Products%20Catalog	ISSUE DATE: 2018-07-23 00:00:00 EXPIRY DATE: 2024-11-02 00:00:00	CERTIFIER OR LAB: UL Solutions
CERTIFICATION AND COMPLIANCE NOTES: Granorte's KENKO floating floors are UL Greenguard and UL Greenguard Gold Certified. Certificates Number 111490-410 and 111490-420		
VOC EMISSIONS	AgBB evaluation scheme 2015 (building products emissions)	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL:	ISSUE DATE: 2018-05-15 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: eco-INSTITUT Germany GmbH
CERTIFICATION AND COMPLIANCE NOTES: Granorte's KENKO collection of floating cork floors has a positive evaluation under the criteria set by AgBB.		
FORMALDEHYDE EMISSIONS	CARB Composite Wood ATCM CA 93120 Phase 2	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: https://www.aidimme.es/ServiciosOnline/CARB-EPA/	ISSUE DATE: 2024-02-01 00:00:00 EXPIRY DATE: 2025-02-01 00:00:00	CERTIFIER OR LAB: AIDIMME
CERTIFICATION AND COMPLIANCE NOTES: KENKO collection fibreboard complies with CARB Formaldehyde Emission Standard Phase 2 (0,11 ppm) and US EPA 40 CFR Part 770 Toxic Substances Control Act (TSCA) Title VI.		
MANAGEMENT	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL:	ISSUE DATE: 2024-02-01 00:00:00 EXPIRY DATE: 2027-02-19 00:00:00	CERTIFIER OR LAB: APCER
CERTIFICATION AND COMPLIANCE NOTES:		
SUSTAINABLE FORESTRY	FSC Certification - Chain of Custody (COC)	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL:	ISSUE DATE: 2020-02-03 00:00:00 EXPIRY DATE: 2025-02-02 00:00:00	CERTIFIER OR LAB: APCER
CERTIFICATION AND COMPLIANCE NOTES: Certificate number: APCER-COC-150508 APCER-CW-150508 FSC® License Number: FSC C044061		

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.

POLYETHYLENE FILM
MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used on installation, as a moisture barrier between the subfloor and the floorcovering.

FLOOR PROFILES
MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Floor profiles are suitable for terminations, transitions and adjustments.

TOOLS
MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available
ACCESSORY TYPE: Other
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Tools used during installation: Adhesive tape; Spacer blocks; Hammer; Pull bar; Tapping block; Pencil; Measuring tape; Circular saw or miter saw.

CLEANER
MANUFACTURER (OR GENERIC): Loba Cleaner; Bona Cleaner; Dr. Schutz PU Cleaner.

HPD URL: No HPD available
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: pH-neutral cleaner.

MAINTENANCE
MANUFACTURER (OR GENERIC): Loba FloorCare; Bona Polish; Dr. Schutz Floor Mat

HPD URL: No HPD available
ACCESSORY TYPE: Maintenance Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Water-based floor care product. Protects the finished floors by forming a protective layer against scratches and wear marks.

 Section 5: General Notes

PVC-free multilayer floor panels for loose laid installation, consisting of a compact high density fibreboard core layer, an abrasion-resistant decorative Polypropylene film surface layer, a middle layer of agglomerated cork and a back layer of sound reducing soft agglomerated cork. The core material is tongued and grooved with a special profile design (Uniclic®) to allow the panels to be assembled together mechanically, without the use of glue.

Panel dimension: 1164 x 300 mm (3.8 ft x 1 ft).
Total thickness: 8.5 mm (0.33 in).
Surface thickness: 1 mm (0.04 in).
HDF thickness: 6.5 mm (0.25 in).
Cork backing thickness: 1 mm (0.04 in).
Floating Uniclic® installation.
Level of use CLASS 23 | 34.
WARRANTY 15Y Residential | 5Y Commercial.
MICROBAN® antimicrobial product protection.
FSC® certified products available upon request.

The High Density Fiberboard used in this product complies with E1 Euroclass, CARB 2 and TSCA Title VI Formaldehyde emission standards.
KENKO floating floors contain no PVC and are made from about 79% renewable raw materials (cork and wood).

MANUFACTURER INFORMATION

MANUFACTURER: **Granorte**
ADDRESS: **GRANORTE - Revestimentos de Cortiça, Lda.**
Avenida de Santiago, 68
Rio Meão, Rio Meão 4520-470
COUNTRY: **PORTUGAL**
LATITUDE: **40.9593000**
LONGITUDE: **-8.5970000**

WEBSITE: **<https://www.granorte.pt/en/>**
CONTACT NAME: **Paulo Rocha**
TITLE: **Technical & R+D Manager**
PHONE: **+351 256 783 026**
EMAIL: **paulo.rocha@granorte.pt**

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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.