

CLASSIFICATION: 09 65 16.23 VINYL SHEET FLOORING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: TEKNOFLOR™ Forestscapes HPD™ Collection of Commercial Resilient Sheet was designed to offer your favorite traditional, knotted wood looks from our most tenured Teknoflor™ collection in a modern composition made of 100% virgin vinyl that's also phthalate-free, formaldehyde-free, and free of halogenated flame-retardants. Our hardest working floor is now even tougher and more thoughtfully made to meet your standards and exceed your expectations for a beautiful, clean wood look to last for years to come. With a 2.3mm Gauge and 20mil Wear Layer, TEKNOFLOR™ Forestscapes HPD™ is backed by a 12-year, non-prorated, limited commercial warranty (material and labor).

**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.

Number of Greenscreen BM-4/BM3 contents..... 1  
Contents highest concern GreenScreen  
Benchmark or List translator Score..... BM-1  
Nanomaterial..... No

**MATERIAL** | **SUBSTANCE** | *RESIDUAL OR IMPURITY*  
**GREENSCREEN SCORE** | HAZARD TYPE

**INVENTORY AND SCREENING NOTES:**

This HPD was created with Basic Inventory.

TEKNOFLOR™ FORESTSCAPES HPD™ [ POLYVINYL CHLORIDE (PVC) **LT-P1** | RES LIMESTONE; CALCIUM CARBONATE **LT-UNK** BIS(2-ETHYLHEXYL) TEREPHTHALATE **BM-3** 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER **LT-P1** | MUL HYDRODESULFURIZED KEROSENE **LT-UNK** | MAM FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT **LT-UNK** BARIUM ACETATE **LT-UNK** ZINC ACETATE **LT-P1** | END | MUL DISTILLATE FUEL OILS, LIGHT **BM-2** | MAM | CAN CELLULOSE PULP **NoGS** ANOX 20 **LT-UNK** 2-(ACRYLOYLOXY)ETHANOL **LT-P1** | MAM | SKI | AQU | MUL 1,2(OR 3)-PROPANEDIOL,1-ACRYLATE **LT-UNK** | MAM | SKI PENTAERYTHRITOL TRIACRYLATE **LT-UNK** | EYE | SKI ZINC OXIDE **BM-1** | AQU | RES | MUL 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- **LT-UNK** 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH (2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL) **NoGS** DIPROPYLENE GLYCOL DIACRYLATE **LT-UNK** ]

**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: FloorScore  
Other: REACH SVHC 169

**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: 2017-10-30

PUBLISHED DATE: 2017-10-31

EXPIRY DATE: 2020-10-30

## 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)

### TEKNOFLOR™ FORESTSCAPES HPD™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: While TEKNOFLOR™ Forestscapes HPD™ does not meet the qualifications for "Residuals & Impurities - Considered" per HPDC's Emerging Best Practices, we have 1) Disclosed all known, intentionally-added ingredients; 2) Tested TEKNOFLOR™ Forestscapes HPD™ to ensure it is free of Red List Heavy Metals, Phthalate-Free, Formaldehyde-Free, complies with REACH SVHC, and meets VOC Emissions/Indoor Air Quality requirements per FloorScore / California Section 01350.

OTHER PRODUCT NOTES: All known intentional ingredients of TEKNOFLOR™ Forestscapes HPD™ are disclosed in this HPD.

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

#: **43.8219 - 46.5325** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: **27.8587 - 29.5819** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

#: **17.3905 - 18.4663** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Plasticizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also known as Dioctyl terephthalate, or DOTP, this plasticizer has undergone a full toxicological screening through GreenScreen and achieved a Benchmark 3 out of a possible 4, whereas phthalate plasticizers typically achieve a Benchmark 1.

**1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER**

ID: 77-90-7

|                           |                  |                 |                 |                      |
|---------------------------|------------------|-----------------|-----------------|----------------------|
| %: <b>1.9663 - 2.0879</b> | GS: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Solvent</b> |
|---------------------------|------------------|-----------------|-----------------|----------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Also known as Acetyl Tributyl Citrate

**HYDRODESULFURIZED KEROSENE**

ID: 64742-81-0

|                           |                   |                 |                 |                      |
|---------------------------|-------------------|-----------------|-----------------|----------------------|
| %: <b>1.8919 - 2.0089</b> | GS: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Solvent</b> |
|---------------------------|-------------------|-----------------|-----------------|----------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

SUBSTANCE NOTES: Hydrodesulfurized Kerosene (as a liquid) can be hazardous if swallowed. Hydrodesulfurized Kerosene is used as a solvent in the production of TEKNOFLOR™ Forestscapes HPD™, and does not exist as a liquid after the product has been manufactured. Thus, the hazards usually associated with Hydrodesulfurized Kerosene are not applicable to this product.

**FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT**

ID: 65997-17-3

|                           |                   |                 |                 |                                    |
|---------------------------|-------------------|-----------------|-----------------|------------------------------------|
| %: <b>1.0068 - 1.0690</b> | GS: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Dimensional Stability</b> |
|---------------------------|-------------------|-----------------|-----------------|------------------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**BARIUM ACETATE**

ID: 543-80-6

|                           |                   |                 |                 |                         |
|---------------------------|-------------------|-----------------|-----------------|-------------------------|
| %: <b>0.9643 - 1.0239</b> | GS: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Stabilizer</b> |
|---------------------------|-------------------|-----------------|-----------------|-------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**ZINC ACETATE**

ID: 557-34-6

|                           |                  |                 |                 |                         |
|---------------------------|------------------|-----------------|-----------------|-------------------------|
| %: <b>0.6433 - 0.6831</b> | GS: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Stabilizer</b> |
|---------------------------|------------------|-----------------|-----------------|-------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

|           |   |                                   |
|-----------|---|-----------------------------------|
| ENDOCRINE | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor     |
| MULTIPLE  | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |

SUBSTANCE NOTES: Zinc Acetate (as airborne, unbound particles) is considered a potential endocrine disruptor. Zinc Acetate, as used in TEKNOFLOR™ Forestscapes HPD™, is bound within the polymer matrix and is not able to become airborne and inhaled or ingested through normal product use. Thus, the hazards usually associated with Zinc Acetate are not applicable to this product.

## DISTILLATE FUEL OILS, LIGHT

ID: 64742-47-8

#: **0.3627 - 0.3851** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Solvent**

|           |                            |  |
|-----------|----------------------------|--|
| HAZARDS:  | AGENCY(IES) WITH WARNINGS: |  |
| MAMMALIAN | EU - GHS (H-Statements)    | H304 - May be fatal if swallowed and enters airways  |
| CANCER    | MAK                        | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

SUBSTANCE NOTES: Light Distillate Fuel Oil (as a liquid) can be hazardous if swallowed. Light Distillate Fuel Oil is used as a solvent in the production of TEKNOFLOR™ Forestscapes HPD™, and does not exist as a liquid after the product has been manufactured. Thus, the hazards usually associated with Light Distillate Fuel Oil are not applicable to this product.

## CELLULOSE PULP

ID: 65996-61-4

#: **0.3158 - 0.3354** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additive**

|            |   |  |
|------------|---|--|
| HAZARDS:   | AGENCY(IES) WITH WARNINGS:              |  |
| None Found | No warnings found on HPD Priority lists |  |

SUBSTANCE NOTES:

## ANOX 20

ID: 6683-19-8

#: **0.2596 - 0.2756** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilizer**

|            |   |  |
|------------|---|--|
| HAZARDS:   | AGENCY(IES) WITH WARNINGS:              |  |
| None Found | No warnings found on HPD Priority lists |  |

SUBSTANCE NOTES:

## 2-(ACRYLOYLOXY)ETHANOL

ID: 818-61-1

#: **0.1504 - 0.1598** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **UV Acrylic Layer**

|                 |                            |                                  |
|-----------------|----------------------------|----------------------------------|
| HAZARDS:        | AGENCY(IES) WITH WARNINGS: |                                  |
| MAMMALIAN       | EU - R-phrases             | R24 - Toxic in Contact with Skin |
| SKIN IRRITATION | EU - R-phrases             | R34 - Causes burns               |

|                 |   |   |
|-----------------|---|---|
| SKIN SENSITIZE  | EU - R-phrases                              | R43 - May cause sensitization by skin contact           |
| ACUTE AQUATIC   | EU - R-phrases                              | R50 - Very Toxic to Aquatic Organisms                   |
| ACUTE AQUATIC   | EU - GHS (H-Statements)                     | H400 - Very toxic to aquatic life                       |
| MAMMALIAN       | EU - GHS (H-Statements)                     | H311 - Toxic in contact with skin                       |
| SKIN IRRITATION | EU - GHS (H-Statements)                     | H314 - Causes severe skin burns and eye damage          |
| SKIN SENSITIZE  | EU - GHS (H-Statements)                     | H317 - May cause an allergic skin reaction              |
| MULTIPLE        | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                              |
| SKIN SENSITIZE  | MAK   | Sensitizing Substance Sh - Danger of skin sensitization |

SUBSTANCE NOTES: Also known as 2-Hydroxyethyl Acrylate, or HEA, this substance... which exists as a clear, colorless liquid... can be hazardous when exposed to the skin or eyes. HEA, as used in TEKNOFLOR™ Forestscapes HPD™, is bound within the polymer matrix and thus such exposure does not occur through normal product use. As a result, the hazards usually associated with HEA are not applicable to this product.

### 1,2(OR 3)-PROPANEDIOL,1-ACRYLATE

ID: 25584-83-2

#: 0.0821 - 0.0871      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **UV Acrylic Layer**

| HAZARDS:        | AGENCY(IES) WITH WARNINGS: |   |
|-----------------|----------------------------|---|
| MAMMALIAN       | EU - R-phrases             | R23 - Toxic by Inhalation (gas, vapour, dust/mist)      |
| MAMMALIAN       | EU - R-phrases             | R24 - Toxic in Contact with Skin                        |
| MAMMALIAN       | EU - R-phrases             | R25 - Toxic if Swallowed                                |
| SKIN IRRITATION | EU - R-phrases             | R34 - Causes burns                                      |
| SKIN SENSITIZE  | EU - R-phrases             | R43 - May cause sensitization by skin contact           |
| MAMMALIAN       | EU - GHS (H-Statements)    | H301 - Toxic if swallowed                               |
| MAMMALIAN       | EU - GHS (H-Statements)    | H311 - Toxic in contact with skin                       |
| SKIN IRRITATION | EU - GHS (H-Statements)    | H314 - Causes severe skin burns and eye damage          |
| SKIN SENSITIZE  | EU - GHS (H-Statements)    | H317 - May cause an allergic skin reaction              |
| MAMMALIAN       | EU - GHS (H-Statements)    | H331 - Toxic if inhaled                                 |
| SKIN SENSITIZE  | MAK                        | Sensitizing Substance Sh - Danger of skin sensitization |

SUBSTANCE NOTES: Also known as Hydroxypropyl Acrylate, this substance... which exists as a clear, colorless liquid... can be hazardous when exposed to the skin or eyes, or when ingested or inhaled. Hydroxypropyl Acrylate, as used in TEKNOFLOR™ Forestscapes HPD™, is bound within the polymer matrix and thus such exposure does not occur through normal product use. Thus, the hazards usually associated with Hydroxypropyl Acrylate are not applicable to this product.

### PENTAERYTHRITOL TRIACRYLATE

ID: 3524-68-3

#: 0.0775 - 0.0823      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **UV Acrylic Layer**

| HAZARDS:        | AGENCY(IES) WITH WARNINGS: |   |
|-----------------|----------------------------|---|
| EYE IRRITATION  | EU - R-phrases             | R36 - Irritating to eyes                                |
| SKIN IRRITATION | EU - R-phrases             | R38 - Irritating to skin                                |
| SKIN SENSITIZE  | EU - R-phrases             | R43 - May cause sensitization by skin contact           |
| SKIN IRRITATION | EU - GHS (H-Statements)    | H315 - Causes skin irritation                           |
| SKIN SENSITIZE  | EU - GHS (H-Statements)    | H317 - May cause an allergic skin reaction              |
| EYE IRRITATION  | EU - GHS (H-Statements)    | H319 - Causes serious eye irritation                    |
| SKIN SENSITIZE  | MAK                        | Sensitizing Substance Sh - Danger of skin sensitization |

SUBSTANCE NOTES: Pentaerythritol Triacrylate, also known as PETA, is a thick, clear, yellow liquid that can be hazardous when exposed to the skin or eyes. PETA, as used in TEKNOFLOR™ Forestscapes HPD™, is bound within the polymer matrix and thus such exposure does not occur through normal product use. As a result, the hazards usually associated with PETA are not applicable to this product.

## ZINC OXIDE

ID: 1314-13-2

#: **0.0604 - 0.0642** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Additive**

| HAZARDS:      | AGENCY(IES) WITH WARNINGS:                  |   |
|---------------|---|---|
| ACUTE AQUATIC | EU - R-phrases                              | R50 - Very Toxic to Aquatic Organisms                       |
| RESPIRATORY   | AOEC - Asthmagens                           | Asthmagen (ARs) - sensitizer-induced - inhalable forms only |
| ACUTE AQUATIC | EU - GHS (H-Statements)                     | H400 - Very toxic to aquatic life                           |
| CHRON AQUATIC | EU - GHS (H-Statements)                     | H410 - Very toxic to aquatic life with long lasting effects |
| MULTIPLE      | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                  |

SUBSTANCE NOTES:

## 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-

ID: 7473-98-5

#: **0.0274 - 0.0290** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Acrylic Layer**

| HAZARDS:   | AGENCY(IES) WITH WARNINGS:              |  |
|------------|---|--|
| None Found | No warnings found on HPD Priority lists |  |

SUBSTANCE NOTES:

## 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH (2E)-2-BUTENEDIOIC ACID, 1,2-ETHANEDIOL AND 2,2'-OXYBIS(ETHANOL)

ID: 28133-55-3

#: **0.0274 - 0.0290** GS: **NoGS** RC: **None** NANO: **No** ROLE: **UV Acrylic Layer**

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |  |
|----------|----------------------------|--|
|          |                            |  |

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

#: 0.0274 - 0.0290

GS: LT-UNK

RC: None

NANO: No

ROLE: UV Acrylic Layer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

### FloorScore

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/ShannonSpecialtyFloors\\_2017\\_SCS-FS-04567\\_s.pdf](https://www.scs-certified.com/products/cert_pdfs/ShannonSpecialtyFloors_2017_SCS-FS-04567_s.pdf)

ISSUE

DATE: 2017-07-07

EXPIRY

DATE: 2017-11-30

CERTIFIER OR LAB:

SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: FloorScore Certificate #SCS-FS-04567

### OTHER

### REACH SVHC 169

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

ISSUE DATE: 2017-04-06

EXPIRY DATE:

CERTIFIER OR LAB: FITI Testing & Research Institute

CERTIFICATION AND COMPLIANCE NOTES:

## 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.

### TUF STIK 9000 ACRYLIC ADHESIVE

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

One of four adhesives recommended for TEKNOFLOR™ Forestscapes HPD™. Refer to shannonspecialtyfloors.com for more details.

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

One of four adhesives recommended for TEKNOFLOR™ Forestscapes HPD™. Refer to shannonspecialtyfloors.com for more details.

**TUF STIK SPX MULTI-FUNCTION ADHESIVE**HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

One of four adhesives recommended for TEKNOFLOR™ Forestscapes HPD™. Refer to shannonspecialtyfloors.com for more details.

**TEK 4000 EPOXY**HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

One of four adhesives recommended for TEKNOFLOR™ Forestscapes HPD™. Refer to shannonspecialtyfloors.com for more details.


**Section 5: General Notes**

Please visit shannonspecialtyfloors.com to learn more about TEKNOFLOR™ Forestscapes HPD™, including available designs, installation and maintenance procedures, warranty information, etc.


**Section 6: References**
**MANUFACTURER INFORMATION**MANUFACTURER: **Shannon Specialty Floors, Inc.**ADDRESS: **1005 South 60th Street****Milwaukee WI 53214, USA**WEBSITE: **www.shannonspecialtyfloors.com**CONTACT NAME: **Tim Davis**TITLE: **Technical Services Manager**PHONE: **800-522-9166**EMAIL: **timd@shannonspecialtyfloors.com****KEY****OSHA MSDS**  
**GHS SDS**

Occupational Safety and Health Administration Material Safety Data Sheet

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

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*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.*