

CLASSIFICATION: 09 60 00

**PRODUCT DESCRIPTION:** Forest Rx/Strait Rx/Cosmos Rx/Infinity Rx is made by fusing Ecore's 5mm recycled rubber backing to a vinyl wear layer. These products are revolutionizing the flooring industry, providing sound control, improved ergonomics, and helping to prevent the severity of injury associated with falls. Bounce 2 features a synthetic wood-grain surface that is fusion bonded to a 5mm recycled rubber backing. The result is beautiful flooring that looks like real wood designed for fitness facilities.

## Section 1: Summary

## Nested Method / Material 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

Residuals/Impurities Considered in 1 of 3 Materials

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No

*Percent Weight and Role Provided?*

**Screened**  Yes  No

*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No

*Name and Identifier Provided?*

### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)  
[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)

[RUBBER BACKING](#) [ [STYRENE BUTADIENE RUBBER \(POST-CONSUMER\)](#) [LT-UNK](#)  
[POLYURETHANE](#) [LT-UNK](#) [ETHYLENE/PROPYLENE/DIENE TERPOLYMER \(EPDM\)](#) [LT-UNK](#)  
[WATER](#) [BM-4](#) ] [VINYL WEAR LAYER](#) [ [POLYVINYL CHLORIDE \(PVC\)](#) [LT-P1](#) | [RES](#) [DIOCTYL TEREPHTHALATE \(DOTP\)](#) [NoGS](#) [LIMESTONE](#); [CALCIUM CARBONATE](#) [LT-UNK](#) (C4-C13)  
[BRANCHED ALKYL ALCOHOLS](#), [PHTHALIC ANHYDRIDE ESTER](#) [NoGS](#) [GLASS / MINERAL FIBER](#)  
[LT-UNK](#) | [CAN](#) [PHOSPHATE](#) [NoGS](#) [INKS & PASTE](#) [UNK](#) [POLYURETHANE](#) [LT-UNK](#) [ZINC STEARATE](#) [LT-UNK](#) [TITANIUM DIOXIDE](#) [LT-1](#) | [CAN](#) | [END](#) [EPOXIDIZED SOYBEAN OIL](#) [LT-UNK](#)  
[CALCIUM SOAPS OF FATTY ACIDS MADE FROM OXIDIZED PETROLATUM](#) [NoGS](#) [ZINC OXIDE](#) [BM-1](#) | [RES](#) | [AQU](#) | [MUL](#) [OCTHILINONE](#) [LT-P1](#) | [AQU](#) | [MAM](#) | [SKI](#) | [MUL](#) ] [ADHESIVE](#) [ [ETHYLENE VINYL ACETATE POLYMER \(EVA\)](#) [LT-UNK](#) [VINYL ACETATE](#) [LT-P1](#) | [CAN](#) | [END](#) | [MUL](#) | [MAM](#) | [GEN](#) | [PHY](#) ]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1  
 Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Not all substances are screened using the Priority Hazard Lists (see Section 1) because the manufacturer of the vinyl wear layer did not disclose specifics on the Inks and Pastes in their product. Due to this lack of information, we could not add a CAS Registry Number to be screened.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

#### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: FloorScore®  
 Recycled content: Recycled Content  
 LCA: Environmental Product Declaration

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
 VERIFICATION #:

SCREENING DATE: 2018-06-20

PUBLISHED DATE: 2018-06-22

EXPIRY DATE: 2021-06-20

## 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)

### RUBBER BACKING

#: 54.1500

HPD URL: N/A

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/impurities in raw materials are measured, and are displayed in the HPD when greater than 1000ppm.

OTHER MATERIAL NOTES: Product backing

### STYRENE BUTADIENE RUBBER (POST-CONSUMER)

ID: 9003-55-8

#: 78.7100 - 78.7100 GS: LT-UNK RC: PostC NANO: No ROLE: Substrate/primary ingredient for Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Main component in the backing of this product. Mixed with binder, EPDM, and water to form product backing.

### POLYURETHANE

ID: 64440-88-6

#: 10.4000 - 10.4000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with water, EPDM and recycled rubber to form backing.

### ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)

ID: 25038-36-2

#: 9.9000 - 9.9000 GS: LT-UNK RC: PreC NANO: No ROLE: Substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Mixed with binder, SBR, and water to form product backing.

### WATER

ID: 7732-18-5

#: 0.9900 - 0.9900 GS: BM-4 RC: None NANO: No ROLE: Catalyst that starts the polyurethane reaction

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with binder, EPDM and recycled rubber to form product backing.

### VINYL WEAR LAYER

#: 43.9300

HPD URL: N/A

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

OTHER MATERIAL NOTES: **Product vinyl wear layer****POLYVINYL CHLORIDE (PVC)**ID: **9002-86-2**%: **55.0000 - 60.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY****AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**SUBSTANCE NOTES: **SPVC Binder. Combined with DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.****DIOCTYL TEREPHTHALATE (DOTP)**ID: **4654-26-6**%: **15.0000 - 24.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Plasticiser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**SUBSTANCE NOTES: **DOTP Plasticiser. Combined with SPVC, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.****LIMESTONE; CALCIUM CARBONATE**ID: **1317-65-3**%: **15.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Whiting**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**SUBSTANCE NOTES: **Combined with SPVC, DOTP Plasticiser, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.****(C4-C13) BRANCHED ALKYL ALCOHOLS, PHTHALIC ANHYDRIDE ESTER**ID: **68951-39-3**%: **4.0000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Coalescent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**SUBSTANCE NOTES: **Ester Alcohol. Combined with SPVC, DOTP Plasticiser, Limestone, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.****GLASS / MINERAL FIBER**ID: **65997-17-3**%: **2.5000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reinforcer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER****EU - GHS (H-Statements)****H351 - Suspected of causing cancer**SUBSTANCE NOTES: **Fiberglass mat. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.****PHOSPHATE**ID: **14265-44-2**%: **2.5000 - 3.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Fire Retarder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Phosphate 141. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

**INKS & PASTE**

ID: **Undisclosed**

%: **1.4000 - 2.0000** GS: **UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS NO of inks and paste not disclosed by manufacturer so this cannot be screened. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

**POLYURETHANE**

ID: **64440-88-6**

%: **0.9000 - 1.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: PUR Acrylic. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

**ZINC STEARATE**

ID: **557-05-1**

%: **0.6000 - 1.0000** 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: Ca Zn Soap. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

**TITANIUM DIOXIDE**

ID: **13463-67-7**

%: **0.5000 - 0.6000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: White Titania. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

**EPOXIDIZED SOYBEAN OIL**

ID: **8013-07-8**

%: **0.2000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabilisers**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: ESPO. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, Calcium soap, Zinc Oxide, and Octhilinone to form vinyl wear layer.

### CALCIUM SOAPS OF FATTY ACIDS MADE FROM OXIDIZED PETROLATUM

ID: 68425-34-3

%: **0.2000 - 0.5000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Stabiliser**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Zinc Oxide, and Octhilinone to form vinyl wear layer.

### ZINC OXIDE

ID: 1314-13-2

%: **0.2000 - 0.5000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Biocide**

HAZARDS: AGENCY(IES) WITH WARNINGS:

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: Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, and Octhilinone to form vinyl wear layer.

### OCTHILINONE

ID: 26530-20-1

%: **0.2000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Biocide**

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

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

MAMMALIAN EU - GHS (H-Statements) H331 - Toxic if inhaled

MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SKIN SENSITIZE MAK Sensitizing Substance Sh - Danger of skin sensitization

SKIN SENSITIZE EU - GHS (H-Statements) H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Octhilinone. Combined with SPVC, DOTP Plasticiser, Limestone, Ester Alcohol, Fiberglass Mat, Phosphate 141, Ink, Paste, White Titania, PUR Acrylic, CA ZN Soap, ESBO, Calcium soap, and Zinc Oxide to form vinyl wear layer.

### ADHESIVE

%: **1.9200**

HPD URL: **N/A**

MATERIAL THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Ecore does not manufacture the adhesive layer and cannot comment on residuals/impurities in this material.**

OTHER MATERIAL NOTES: **Adhesive to fusion bond the vinyl wear layer to the product backing.**

### ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: **99.7000 - 100.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary material/substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Primary ingredient in copolymerization of ethylene and vinyl acetate to create Ethylene-vinyl acetate (EVA) adhesive.

**VINYL ACETATE**

ID: 108-05-4

#: 0.0000 - 0.3000

GS: LT-P1

RC: None

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Ingredient in copolymerization of ethylene and vinyl acetate to create Ethylene-vinyl acetate (EVA) adhesive.

## 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**

ISSUE DATE: **2017-10-01**

EXPIRY DATE:

CERTIFIER OR LAB: **SCS Global Services**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/ECORE\\_2017\\_SCS-FS-03173\\_s.pdf](https://www.scs-certified.com/products/cert_pdfs/ECORE_2017_SCS-FS-03173_s.pdf)

CERTIFICATION AND COMPLIANCE NOTES: **Conforms to the CDPH/EHLB Standard Method v1.1-2010 (effective January 1, 2012) for the school classroom and private office parameters when modeled as Flooring.**

### RECYCLED CONTENT

#### Recycled Content

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB:

APPLICABLE FACILITIES: **All**

DATE: DATE: OR LAB:

CERTIFICATE URL:

**2015-12-19** **Ecore**

[http://maxcdn.ecoreintl.com/marketing/ecore/files/LEEDv4\\_Forest%20Rx,%20Strait%20Rx,%20Cosmos%20Rx,%20Infinity%20Rx.pdf](http://maxcdn.ecoreintl.com/marketing/ecore/files/LEEDv4_Forest%20Rx,%20Strait%20Rx,%20Cosmos%20Rx,%20Infinity%20Rx.pdf)

CERTIFICATION AND COMPLIANCE NOTES: **Forest Rx/Strait Rx/Cosmos Rx/Infinity Rx/Bounce 2 is comprised of 65% postconsumer recycled content**

### LCA

#### Environmental Product Declaration

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-04-01**

EXPIRY DATE: **2020-03-31**

CERTIFIER OR LAB: **SCS Global Services**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

<http://maxcdn.ecoreintl.com/marketing/ecore/files/EPD%20Vinyl%20Rx.pdf>

CERTIFICATION AND COMPLIANCE NOTES: **Product Category Rule (PCR) for preparing an Environmental Product Declaration (EPD) for Flooring: Carpet, Resilient, Laminate, Ceramic, Wood. NSF International. Version 2. 2014.**

## 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.

### E GRIP III

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

E-Grip III is a revolutionary zero-VOC adhesive that is used during flooring installation.

### E-CLEANER

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

This cleaner meets Green Seal™ GS-37 standard. This cleaner can be used for initial, daily, and restorative cleaning.

### WELD ROD

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Weld Rod is used to during installation to seal the seams between rolls.

## Section 5: General Notes

Not all substances are screened using the Priority Hazard Lists (see Section 1) because the manufacturer of the vinyl wear layer did not disclose specifics on the Inks and Pastes in their product. Due to this lack of information, we could not add a CAS Registry Number to be screened.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Ecore International**  
 ADDRESS: **715 Fountain Ave**  
**Lancaster Pennsylvania 17601, United States**  
 WEBSITE: **http://ecoreintl.com/**

CONTACT NAME: **Dana Davis**  
 TITLE: **Marketing Analyst**  
 PHONE: **7178248210**  
 EMAIL: **dana.davis@ecoreintl.com**

**KEY**

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

**Recycled Types**

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms**

**Inventory Methods:**

- Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material
- Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product
- Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*