

**HPD UNIQUE IDENTIFIER:** 34308113408

**CLASSIFICATION:** 07 13 26 Self-Adhering Sheet Waterproofing

**PRODUCT DESCRIPTION:** Underslab Membrane is used as a waterproofing membrane/vapor barrier to virtually eliminate water and vapor transmission through concrete slabs on grade. In addition to protecting floor finishes and indoor air quality, Underslab Membrane also acts as a barrier to methane gas and radon gas.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|                                               |                                          |                                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Inventory Reporting Format</b>             | <b>Threshold Level</b>                   | <b>Residuals/Impurities Evaluation</b>                        | <i>For all contents above the threshold, the manufacturer has:</i>                 |
| <input type="radio"/> Nested Materials Method | <input checked="" type="radio"/> 100 ppm | <input checked="" type="radio"/> Completed                    | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input checked="" type="radio"/> Basic Method | <input type="radio"/> 1,000 ppm          | <input type="radio"/> Partially Completed                     | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                | <input type="radio"/> Per GHS SDS        | <input type="radio"/> Not Completed                           | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                | <input type="radio"/> Other              | <b>Explanation(s) provided :</b>                              | <i>Provided screening results using HPDC-approved methods.</i>                     |
| <input checked="" type="radio"/> Product      |                                          | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> 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

**UNDERSLAB MEMBRANE** [ **ASPHALT** **LT-1** ] CAN | MAM | GEN

**POLYPROPYLENE** **LT-UNK** **STYRENE BUTADIENE RUBBER (BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE)** **LT-UNK**

**POLYETHYLENE (PRIMARY CASRN IS 9002-88-4)** **LT-UNK**

*UNDISCLOSED* **LT-1** ] CAN | PBT | MUL | DEV | MAM *UNDISCLOSED* **LT-UNK** ] CAN *UNDISCLOSED* **LT-P1** ] END | MUL | MAM | AQU | PHY | EYE *UNDISCLOSED* **LT-1** ] PBT | CAN ]

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

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

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

No additional notes.

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: N/A

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2024-08-20 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2024-12-02 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2027-08-20    |

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](http://www.hpd-collaborative.org/hpd-2-3-standard)

UNDERSLAB MEMBRANE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Reviewed raw material SDS for listing of impurities and residuals.

OTHER PRODUCT NOTES: No additional notes

ASPHALT

ID: 8052-42-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:00:03

%: 55.0000 - 65.0000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Binder

| HAZARD TYPE         | LIST NAME AND SOURCE              | WARNINGS                                                                                                                                                  |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | US CDC - Occupational Carcinogens | Occupational Carcinogen                                                                                                                                   |
| CAN                 | MAK                               | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |
| CAN                 | IARC                              | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                                                                            |
| MAM                 | GHS - Japan                       | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |
| 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] |
| GEN                 | GHS - Japan                       | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE              | NOTIFICATION                                                                                                                                              |
| None found          |                                   | No listings found on Additional Hazard Lists                                                                                                              |

SUBSTANCE NOTES:

POLYPROPYLENE

ID: 9003-07-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:00:04

%: 5.0000 - 10.0000

GreenScreen: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

| 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: This backing contains some recycled material, but amount is unknown. |                      |                                                |

STYRENE BUTADIENE RUBBER (BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE)

ID: 9003-55-8

|                                                                  |                            |                                                  |                                                |                                        |
|------------------------------------------------------------------|----------------------------|--------------------------------------------------|------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2024-08-20 6:00:04</b> |                                                |                                        |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                  | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Polymer species</b> |
| 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:                                                 |                            |                                                  |                                                |                                        |

POLYETHYLENE (PRIMARY CASRN IS 9002-88-4)

ID: 934176-14-4

|                                                                  |                            |                                                  |                                                |                                            |
|------------------------------------------------------------------|----------------------------|--------------------------------------------------|------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2024-08-20 6:00:04</b> |                                                |                                            |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                  | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Structure component</b> |
| 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: Polyethylene film                               |                            |                                                  |                                                |                                            |

UNDISCLOSED

ID: Undisclosed

|                                                           |                   |                                           |          |                                   |
|-----------------------------------------------------------|-------------------|-------------------------------------------|----------|-----------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2024-08-20 6:00:05 |          |                                   |
| %: 5.0000 - 10.0000                                       | GreenScreen: LT-1 | RC: None                                  | NANO: No | SUBSTANCE ROLE: Impurity/Residual |

| HAZARD TYPE                                              | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                          |
|----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| CAN                                                      | EU - Annex VI CMRs                                      | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                                                             |
| PBT                                                      | EC - CEPA DSL                                           | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)                          |
| PBT                                                      | EC - CEPA DSL                                           | Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans                                                                |
| MUL                                                      | ChemSec - SIN List                                      | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                                              |
| MUL                                                      | German FEA - Substances Hazardous to Waters             | Class 2 - 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                                                                                                          |
| MAM                                                      | GHS - Australia                                         | H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]                                              |
| ADDITIONAL LISTINGS                                      | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                      |
| RESTRICTED LIST                                          | Cradle to Cradle Products Innovation Institute (C2CPiI) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products          |
| RESTRICTED LIST                                          | Cradle to Cradle Products Innovation Institute (C2CPiI) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products |
| SUBSTANCE NOTES: Natural occurring component of asphalt. |                                                         |                                                                                                                                   |

UNDISCLOSED

ID: Undisclosed

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                                                              | HAZARD SCREENING DATE: <b>2024-08-20 6:00:05</b> |                                          |
|------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                                                              | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Impurity/Residual</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                                                                     |                                                  |                                          |
| CAN                                                              | MAK                        | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |                                                  |                                          |
| CAN                                                              | IARC                       | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources               |                                                  |                                          |

| ADDITIONAL LISTINGS                                      | LIST NAME AND SOURCE | NOTIFICATION                                 |
|----------------------------------------------------------|----------------------|----------------------------------------------|
| None found                                               |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: Natural occurring component of asphalt. |                      |                                              |

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-08-20 6:00:06

%: 0.0000 - 0.1000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

| HAZARD TYPE | LIST NAME AND SOURCE                          | WARNINGS                                                                                                                  |
|-------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors         | Potential Endocrine Disruptor                                                                                             |
| MUL         | German FEA - Substances Hazardous to Waters   | Class 2 - Hazard to Waters                                                                                                |
| MAM         | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances                                                                                            |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1     | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1     | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                   |
| PHY         | EU - GHS (H-Statements) Annex 6 Table 3-1     | H220 - Extremely flammable gas [Flammable gases - Category 1]                                                             |
| EYE         | GHS - New Zealand                             | Eye irritation category 2                                                                                                 |
| 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                                                                                      |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU         | GHS - Japan                                   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU         | GHS - Japan                                   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - chronic category 1                                                                 |
| AQU         | GHS - Korea                                   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| EYE         | GHS - Korea                                   | H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]                                         |
| MAM         | Québec CSST - WHMIS 1988                      | Class D1A - Very toxic material causing immediate and serious toxic effects                                               |

|                     |                          |                                                                                               |
|---------------------|--------------------------|-----------------------------------------------------------------------------------------------|
| MAM                 | GHS - Korea              | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]                            |
| PHY                 | GHS - Korea              | H220 - Extremely flammable gas [Flammable gases - Category 1]                                 |
| PHY                 | Québec CSST - WHMIS 1988 | Class B1 - Flammable gases                                                                    |
| MAM                 | GHS - Japan              | H330 - Fatal if inhaled [Acute toxicity (inhalation: gas) - Category 2]                       |
| PHY                 | GHS - Japan              | H220 - Extremely flammable gas [Flammable gases - Category 1]                                 |
| MAM                 | GHS - Australia          | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                       |
| EYE                 | GHS - Japan              | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]      |
| AQU                 | GHS - Malaysia           | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| AQU                 | GHS - Australia          | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| PHY                 | GHS - New Zealand        | Flammable gas category 1A                                                                     |
| PHY                 | GHS - Malaysia           | H220 - Extremely flammable gas [Flammable gases - Category 1]                                 |
| MAM                 | GHS - Malaysia           | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                       |
| PHY                 | GHS - Australia          | H220 - Extremely flammable gas [Flammable gases - Category 1]                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE     | NOTIFICATION                                                                                  |
| None found          |                          | No listings found on Additional Hazard Lists                                                  |

SUBSTANCE NOTES: Natural occurring component of asphalt.

UNDISCLOSED

ID: **Undisclosed**

|                                                                  |                                                  |                                                          |                                                  |                                          |
|------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                  |                                                          | HAZARD SCREENING DATE: <b>2024-08-20 6:00:07</b> |                                          |
| ?: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-1</b>                         | RC: <b>None</b>                                          | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Impurity/Residual</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                             | WARNINGS                                                 |                                                  |                                          |
| PBT                                                              | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action                       |                                                  |                                          |
| CAN                                                              | MAK                                              | Carcinogen Group 1 - Substances that cause cancer in man |                                                  |                                          |
| CAN                                                              | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen            |                                                  |                                          |
| PBT                                                              | WA DoE - PBT                                     | PBT                                                      |                                                  |                                          |
| PBT                                                              | US EPA - Toxics Release Inventory PBTs           | PBT                                                      |                                                  |                                          |

| ADDITIONAL LISTINGS                                      | LIST NAME AND SOURCE                         | NOTIFICATION                                                                                                                                                               |
|----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                          | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| SUBSTANCE NOTES: Natural occurring component of asphalt. |                                              |                                                                                                                                                                            |

## 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                                                                                     | N/A                             |                        |
|---------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared                                                                   | ISSUE DATE: 2021-04-07 00:00:00 | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All                                                                        | EXPIRY DATE:                    |                        |
| CERTIFICATE URL:                                                                                  |                                 |                        |
| CERTIFICATION AND COMPLIANCE NOTES: VOC content data is not applicable for this product category. |                                 |                        |

## 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.*

### DETAIL SEALANT PW™

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Detail Sealant PW™ is used to address the critical areas of terminations, transitions and penetrations. Polyguard Detail Sealant is a solvent free, non-isocyanate adhesive sealant which is low VOC/HAPS free.

### 650 LT LIQUID ADHESIVE

MANUFACTURER (OR GENERIC): **Polyguard Products**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: All substrates must be prepared prior to application of membrane. Apply to a clean, dry, dust free, and frost-free surface. Apply by roller or brush. Apply Polyguard® 650 LT Liquid Adhesive per manufacturer's instructions. Allow to cure per manufacturer's directions.

### CALIFORNIA SEALANT

MANUFACTURER (OR GENERIC): **Polyguard Products**

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: All substrates must be prepared prior to application of membrane. Apply to a clean, dry, dust free, and frost-free surface. Apply by roller or brush. Apply Polyguard® California Sealant per manufacturer's instructions. Allow to cure per manufacturer's directions.

## Section 5: General Notes

No additional general notes for this product.

## MANUFACTURER INFORMATION

MANUFACTURER: **Polyguard Products**  
ADDRESS: **3801 S I 45**  
**Ennis, Texas 75119**  
COUNTRY: **United States**

WEBSITE: **www.Polyguard.com**  
CONTACT NAME: **Chris Rogalski**  
TITLE: **Quality Mgr.**  
PHONE: **214-515-5000**  
EMAIL: **Polyguard@polyguard.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

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <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>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://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*

