

HPD UNIQUE IDENTIFIER: 2134091318272

CLASSIFICATION: 03 35 00 Concrete Finishing

PRODUCT DESCRIPTION: L&M™ LUMISEAL FX™ is a high solids, water-based, non-yellowing, blush resistant curing and sealing compound. When used as a sealer, L&M LUMISEAL FX is designed to provide an attractive high gloss finish on concrete substrates.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold Level, Residuals/Impurities Evaluation, and Characterized/Screened/Identified. Includes radio button options for 'Yes' and 'No'.

CONTENT IN DESCENDING ORDER OF QUANTITY

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

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
L&M™ LUMISEAL FX™ [ WATER BM-4 UNDISCLOSED LT-UNK 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK ]  
CAN | AQU UNDISCLOSED LT-UNK | SKI | EYE | AQU UNDISCLOSED  
LT-P1 | EYE UNDISCLOSED LT-UNK | EYE | AQU UNDISCLOSED BM-2  
| END | SKI | EYE | MAM | REP | DEV UNDISCLOSED NoGS  
UNDISCLOSED BM-2 | END | SKI | MUL | AQU | MAM | EYE  
UNDISCLOSED LT-UNK | SKI | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 1  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...  
LT-P1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory. Materials listed as Undisclosed in Section 2 is done to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards of these components.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 116 Regulatory (g/l): N/A  
Does the product contain exempt VOCs: No  
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method - Not tested  
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4 Option 2.  
Pre-checked for LEED v4.1 Option 1.

Summary table with 3 columns: Third Party Verified?, PREPARER: Self-Prepared, VERIFIER: VERIFICATION #:, SCREENING DATE: 2024-03-26, PUBLISHED DATE: 2024-03-26, EXPIRY DATE: 2027-03-26.

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### L&M™ LUMISEAL FX™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are measured by quantitative methods and are only displayed when they are potentially greater than 100 ppm.

OTHER PRODUCT NOTES: See SDS at [www.laticrete.com](http://www.laticrete.com) for occupational exposure information.

### WATER

ID: 7732-18-5

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

HAZARD SCREENING DATE: **2024-03-26 4:48:40**

%: **58.0000 - 70.0000**

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: The amount of this component may vary based on the plant of manufacture.

### UNDISCLOSED

ID: **Undisclosed**

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

HAZARD SCREENING DATE: **2024-03-26 4:48:41**

%: **30.0000 - 40.0000**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Coating**

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: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

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

HAZARD SCREENING DATE: **2024-03-26 4:48:41**

%: **1.0000 - 2.5000**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Coalescent**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS   |
|---------------------|----------------------|--|
| CAN                 | MAK                  | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |
| AQU                 | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION   |
| None found          |                      | No listings found on Additional Hazard Lists   |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture.

**UNDISCLOSED**

ID: **Undisclosed**

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

HAZARD SCREENING DATE: **2024-03-26 4:48:41**

%: **0.1000 - 0.3000**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Dispersant**

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS   |
|---------------------|---|--|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| SKI                 | GHS - New Zealand                         | Skin irritation category 2   |
| 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] |
| EYE                 | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]    |
| SKI                 | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]               |
| AQU                 | GHS - New Zealand                         | Hazardous to the aquatic environment - chronic category 3                              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION   |
| None found          |   | No listings found on Additional Hazard Lists   |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-03-26 4:48:41**%: **0.1000 - 0.2000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Defoamer**

| HAZARD TYPE         | LIST NAME AND SOURCE                  | WARNINGS   |
|---------------------|---------------------------------------|--|
| EYE                 | GHS - New Zealand                     | Eye irritation category 2                              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION   |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br>Some Solvents |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-03-26 4:48:41**%: **0.1000 - 0.2000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Surfactant**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS  |
|---------------------|----------------------|---|
| EYE                 | GHS - New Zealand    | Eye irritation category 2                                 |
| AQU                 | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION  |
| None found          |                      | No listings found on Additional Hazard Lists              |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-03-26 4:48:41**%: **0.1000 - 0.2000**GreenScreen: **BM-2**RC: **None**NANO: **No**SUBSTANCE ROLE: **Surfactant**

| HAZARD TYPE | LIST NAME AND SOURCE                  | WARNINGS  |
|-------------|---------------------------------------|---|
| END         | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor   |
| SKI         | GHS - New Zealand                     | Skin irritation category 2  |
| EYE         | GHS - New Zealand                     | Eye irritation category 2   |
| SKI         | GHS - Australia                       | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                |
| SKI         | GHS - Japan                           | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]  |
| MAM         | GHS - Japan                           | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2] |
| REP         | GHS - Japan                           | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                     |
| EYE         | GHS - Japan                           | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                            |
| DEV         | GHS - Australia                       | H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]                                 |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION  |
|---------------------|---------------------------------------|---|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br>Antimicrobials |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br>Some Solvents  |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-03-26 4:48:42**

#: **0.0100 - 0.1000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Defoamer**

| 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: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-03-26 4:48:42**%: **0.0300 - 0.0500**GreenScreen: **BM-2**RC: **None**NANO: **No**SUBSTANCE ROLE: **Antimicrobial Pesticide**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS  |
|-------------|---|---|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor   |
| SKI         | MAK   | Sensitizing Substance Sh - Danger of skin sensitization   |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters   |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                      |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]  |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]  |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]   |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]   |
| EYE         | GHS - New Zealand                           | Serious eye damage category 1   |
| SKI         | GHS - Australia                             | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                      |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1   |
| MAM         | GHS - New Zealand                           | Acute inhalation toxicity category 2  |
| MAM         | GHS - New Zealand                           | Acute oral toxicity category 2  |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1   |
| AQU         | GHS - Australia                             | 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]                             |
| AQU         | GHS - Korea                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| SKI         | GHS - Korea                                 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]                                   |
| SKI         | GHS - New Zealand                           | Skin corrosion category 1B  |
| MAM         | GHS - Korea                                 | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]  |

|                     |   |   |
|---------------------|---|---|
| MAM                 | GHS - Australia   | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]  |
| MAM                 | GHS - Australia   | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]  |
| MAM                 | GHS - Korea   | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]  |
| MAM                 | GHS - Australia   | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]   |
| MAM                 | GHS - Korea   | H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1]  |
| MAM                 | GHS - New Zealand                                       | Acute dermal toxicity category 2  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>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<br><br>Cosmetics & Personal Care Products |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials   |

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-03-26 4:48:42**

%: **0.0100 - 0.0200** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dispersant**

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                     |
|---------------------|----------------------|--|
| SKI                 | GHS - New Zealand    | Skin irritation category 2                   |
| EYE                 | GHS - New Zealand    | Eye irritation category 2                    |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

## 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  | CDPH Standard Method - Not tested |                        |
|--|-----------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared  | ISSUE DATE: 2024-03-26 00:00:00   | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: Applies to All Facilities.  | EXPIRY DATE:                      |                        |
| CERTIFICATE URL:   |                                   |                        |
| CERTIFICATION AND COMPLIANCE NOTES: L&M™ LUMISEAL FX™ has not been tested for VOC emissions. |                                   |                        |

| VOC CONTENT   | EPA Method 24 - Volatile Matter Content (EPA 24) |                             |
|---|--|-----------------------------|
| CERTIFYING PARTY: Self-declared   | ISSUE DATE: 2024-03-26 00:00:00                  | CERTIFIER OR LAB: LATICRETE |
| APPLICABLE FACILITIES: Applies to All Facilities.   | EXPIRY DATE:                                     |                             |
| CERTIFICATE URL:  |  |                             |
| CERTIFICATION AND COMPLIANCE NOTES: L&M™ LUMISEAL FX™ does not meet LEED v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (Floor Coatings). |  |                             |

## 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.

No accessories are required for this product.

## Section 5: General Notes

L&M™ LUMISEAL FX™ meets the Living Building Challenge v4.1 (March 2022) requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, L&M LUMISEAL FX does not contain the following: Antimicrobials (marketed with a health claim) •Alkylphenols and related compounds •Asbestos •Bisphenol A (BPA) and structural analogues •California Banned Solvents •Chlorinated Polymers, including Chlorinated polyethylene (CPE), Chlorinated Polyvinyl Chloride (CPVC), Chloroprene (neoprene monomer), Chlorosulfonated polyethylene (CSPE), Polyvinylidene chloride (PVDC), and Polyvinyl Chloride (PVC) •Chlorobenzenes •Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs) •Formaldehyde (added) • Monomeric, polymeric and organo-phosphate halogenated flame retardants (HFRs) •Organotin Compounds •Perfluorinated Compounds (PFCs) •Phthalates (orthophthalates) •Polychlorinated Biphenyls (PCBs) •Polycyclic Aromatic Hydrocarbons (PAH) •Short-Chain and Medium-Chain Chlorinated Paraffins •Toxic Heavy Metals - Arsenic, Cadmium, Chromium, Lead (added), and Mercury •Wood treatments containing Creosote, Arsenic or Pentachlorophenol. See Section 1 for Volatile Organic Compounds (VOC) (wet applied products) information.



**MANUFACTURER INFORMATION**

MANUFACTURER: **LATICRETE International**  
 ADDRESS: **1 Laticrete Park North**  
**Bethany, CT 06524**  
 COUNTRY: **USA**  
 LATITUDE: **41.3974000**  
 LONGITUDE: **-73.0273000**

WEBSITE: **https://laticrete.com**  
 CONTACT NAME: **Mitch Hawkins**  
 TITLE: **Director, Customer Experience - Sustainability & Analytics**  
 PHONE: **203-393-4619**  
 EMAIL: **wmhawkins@laticrete.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 for compliance with the HPD standard noted.*