Section 1: Summary

LATICRETE® SPECTRALOCK® PRO Grout
by LATICRETE International

HPD UNIQUE IDENTIFIER: 22120
CLASSIFICATION: 09 30 00 Tiling
PRODUCT DESCRIPTION: LATICRETE® SPECTRALOCK® PRO Grout is a patented, high performance epoxy grout that offers color uniformity, durability and stain resistance with extraordinary ease of use.

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
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:
- Characterized ✔ Yes/SC ✔ Yes/SC No
- % weight and role provided for all substances.
- Screened ✔ Yes/SC ✔ Yes/SC No
- All substances screened using Priority Hazard Lists with results disclosed.
- Identified ✔ Yes/SC ✔ Yes/SC No
- One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

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
--- | --- | ---
LATICRETE SPECTRALOCK PRO GROUT | QUARTZ LT-1 | CAN UNDISCLOSED BM-4
BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-PI | END UNDISCLOSED BM-1 MUL ALKYL (C12, C14) GLYCIDYL ETHER LT-PI | SKI MUL FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL LT-PI | MUL DIAMINOPOLYPROPYLENE GLYCOL LT-PI | MUL ETHYLENE GLYCOL BM-1 | DEV END PROPYLNE GLYCOL (PROPYLYNE GLYCOL) BM-2 | END TETRAETHYLENEPENTAMINE LT-PI | AGU MUL DECANEDIOIC ACID, BIS(2,2,6,6- PENTAMETHYL-4-PIPERIDINYL) ESTER BM-1 PBT MUL UNDISCLOSED LT-PI | MUL UNDISCLOSED LT-PI | MUL UNDISCLOSED LT-PI | END UNDISCLOSED LT-PI | MUL BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-PI | END

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:
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): 0.031
Regulatory (g/l): N/A

Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: UL GreenGuard Gold (SPECTRALOCK PRO)
VOC content: TDS 251 "Low VOC LATICRETE® Products"

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1
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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

LATICRETE SPECTRALOCK PRO GROUT

**PRODUCT THRESHOLD:** 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: 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 for occupational exposure information.

QUARTZ

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-05</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 65.0000 - 85.0000</td>
<td></td>
</tr>
<tr>
<td>ID: 14808-60-7</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **CANCER**
  - **IARC**
    - Group 1 - Agent is Carcinogenic to humans
  - **US CDC - Occupational Carcinogens**
    - Occupational Carcinogen
  - **CA EPA - Prop 65**
    - Carcinogen - specific to chemical form or exposure route
  - **IARC**
    - Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
  - **US NIH - Report on Carcinogens**
    - Known to be Human Carcinogen (respirable size - occupational setting)
  - **MAK**
    - Carcinogen Group 1 - Substances that cause cancer in man
  - **GHS - New Zealand**
    - 6.7A - Known or presumed human carcinogens
  - **GHS - Japan**
    - Carcinogenicity - Category 1A [H350]
  - **GHS - Australia**
    - H350i - May cause cancer by inhalation

**HAZARD TYPE**

- **ENDOCRINE**
  - **EU - Priority Endocrine Disruptors**
    - Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

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

UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-05</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 8.0000 - 15.0000</td>
<td></td>
</tr>
<tr>
<td>ID: 25085-99-8</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **None found**

**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.

BISPHENOL A DIGLYCIDYL ETHER (BADGE)

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-05</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 4.0000 - 6.0000</td>
<td></td>
</tr>
<tr>
<td>ID: 25085-99-8</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **ENDOCRINE**
  - **EU - Priority Endocrine Disruptors**
    - Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

**SUBSTANCE NOTES:**
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
<th>MULTIPLE</th>
<th>HAZARD NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALKY (C12, C14) GLYCIDYL ETHER</td>
<td>68609-97-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>2.0000 - 5.0000</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Activator</td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td>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.</td>
</tr>
<tr>
<td>FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL</td>
<td>9003-36-5</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.5000 - 1.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Curing agent</td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td>The amount of this component may vary based on plant of manufacture.</td>
</tr>
<tr>
<td>DIAMINOPOLYPROPYLENE GLYCOL</td>
<td>9046-10-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.1000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Curing agent</td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td>The amount of this component may vary based on plant of manufacture.</td>
</tr>
<tr>
<td>ETHYL 4-[(METHYLPHENYLAMINO)METHYLENE]AMINO]BENZOATE</td>
<td>57834-33-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.1000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Heat or UV stabilizer</td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td>The amount of this component may vary based on plant of manufacture.</td>
</tr>
</tbody>
</table>
### ETHYLENE GLYCOL

**ID:** 107-21-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**%:** 0.0800 - 0.1500  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Anti-freeze

**HAZARD TYPE**  
**WARNINGS**

- **DEVELOPMENTAL**  
  - US NIH - Reproductive & Developmental Monographs: Clear Evidence of Adverse Effects - Developmental Toxicity

- **ENDOCRINE**  
  - TEDX - Potential Endocrine Disruptors: Potential Endocrine Disruptor

- **DEVELOPMENTAL**  
  - CA EPA - Prop 65: Developmental toxicity

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

### PROPYLENE GLYCOL (PROPYLENE GLYCOL)

**ID:** 57-55-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**%:** 0.0500 - 0.1000  
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Solvent

**HAZARD TYPE**  
**WARNINGS**

- **ENDOCRINE**  
  - TEDX - Potential Endocrine Disruptors: Potential Endocrine Disruptor

**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.

### TETRAETHYLENEPENTAMINE

**ID:** 112-57-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**%:** 0.0500 - 0.3500  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Activator

**HAZARD TYPE**  
**WARNINGS**

- **CHRON AQUATIC**  
  - EU - GHS (H-Statements): H411 - Toxic to aquatic life with long lasting effects

- **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

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

### DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;

**ID:** 41556-26-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**%:** 0.0500 - 0.2000  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Heat or UV stabilizer

**HAZARD TYPE**  
**WARNINGS**

- **PBT**  
  - EC - CEPA DSL: Persistent, Bioaccumulative and inherently Toxic (PbI TE) to the Environment (Based on aquatic organisms)

- **MULTIPLE**  
  - German FEA - Substances Hazardous to Waters: Class 2 - Hazard to Waters

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

### UNDISCLOSED

**ID:** LT-UNK  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**%:** 0.0100 - 0.0200  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Viscosity modifier
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**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

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05

<table>
<thead>
<tr>
<th>%: 0.0100 - 0.0200</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Buffer</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND UST TITLES**  
**WARNINGS**

**SKIN IRRITATION**  
EU - GHS (H-Statements)  
H314 - Causes severe skin burns and eye damage

**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

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05

<table>
<thead>
<tr>
<th>%: 0.0100 - 0.0150</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Viscosity modifier</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND UST TITLES**  
**WARNINGS**

**REPRODUCTIVE**  
EU - SVHC Authorisation List  
Toxic to reproduction - Candidate list

**REPRODUCTIVE**  
EU - SVHC Authorisation List  
Toxic to reproduction - Prioritized for listing

**SKIN IRRITATION**  
EU - GHS (H-Statements)  
H315 - Causes skin irritation

**EYE IRRITATION**  
EU - GHS (H-Statements)  
H319 - Causes serious eye irritation

**DEVELOPMENTAL**  
EU - GHS (H-Statements)  
H360D - May damage the unborn child

**REPRODUCTIVE**  
EU - REACH Annex XVII CMRs  
Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans

**MULTIPLE**  
ChemSec - SIN List  
CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

**ENDOCRINE**  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

**RESTRICTED LIST**  
US EPA - PPT Chemical Action Plans  
TSCA Work Plan chemical - ongoing chemical (risk) assessment

**REPRODUCTIVE**  
EU - Annex VI CMRs  
Reproductive Toxicity - Category 1B

**REPRODUCTIVE**  
GHS - Korea  
Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]

**REPRODUCTIVE**  
GHS - New Zealand  
6.8A - Known or presumed human reproductive or developmental toxicants

**REPRODUCTIVE**  
GHS - Japan  
Toxic to reproduction - Category 1A [H360]

**REPRODUCTIVE**  
GHS - Japan  
Toxic to reproduction - Category 1B [H360]

**DEVELOPMENTAL**  
GHS - Australia  
H360D - May damage the unborn child

**DEVELOPMENTAL**  
CA EPA - Prop 65  
Developmental toxicity

LATICRETE SPECTRALOCK PRO Grout  
hpdrepository.hpd-collaborative.org
**BISPHENOL A DIGLYCIDYL ETHER (BADGE)**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05

<table>
<thead>
<tr>
<th>%</th>
<th>0.0001 - 0.0002</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS</td>
<td>LT-P1</td>
</tr>
<tr>
<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Surfactant</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**

**WARNINGS**

**ENDOCRINE**

| EU - Priority Endocrine Disruptors |  

**SUBSTANCE NOTES:** This substance is an impurity or residual. This impurity/residual may or may not be present based on the source of the raw material and/or be less than 100ppm.
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

<table>
<thead>
<tr>
<th>UL GreenGuard Gold (SPECTRALOCK PRO)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CERTIFYING PARTY:</strong> Third Party</td>
</tr>
<tr>
<td><strong>APPLICABLE FACILITIES:</strong> Applies to All Facilities.</td>
</tr>
<tr>
<td><strong>ISSUE DATE:</strong> 2009-07-07</td>
</tr>
<tr>
<td><strong>EXPIRY DATE:</strong> 2021-07-09</td>
</tr>
<tr>
<td><strong>CERTIFIER OR LAB:</strong> UL Environment</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2 in an office and classroom environment.

### VOC CONTENT

<table>
<thead>
<tr>
<th>TDS 251 &quot;Low VOC LATICRETE® Products&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CERTIFYING PARTY:</strong> Self-declared</td>
</tr>
<tr>
<td><strong>APPLICABLE FACILITIES:</strong> Applies to All Facilities.</td>
</tr>
<tr>
<td><strong>CERTIFICATE URL:</strong> <a href="https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx">https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td><strong>ISSUE DATE:</strong> 2020-08-12</td>
</tr>
<tr>
<td><strong>CERTIFIER OR LAB:</strong> LATICRETE</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1168 (Tile Adhesive).

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

LATICRETE® SPECTRALOCK® PRO Grout does not meet Living Building Challenge v4.0 requirements because it does contain a component which is found on the Red Listed Materials or Chemicals. Specifically, LATICRETE SPECTRALOCK PRO Grout contains Bisphenol A Diglycidyl Ether (BADGE) as stated in Section 2 of this HPD in an amount greater than the LBC Small Component Clause maximum threshold.
**MANUFACTURER INFORMATION**

**MANUFACTURER:** LATICRETE International  
**ADDRESS:** 1 Laticrete Park North, Bethany, CT 06524, USA  
**WEBSITE:** https://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**

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU AQUatic toxicity</td>
<td>LAN Land toxicity</td>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>PHY Physical hazard (flammable or reactive)</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>DEV Developmental toxicity</td>
<td>END Endocrine activity</td>
<td>RES Respiratory sensitization</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>GEN Gene mutation</td>
<td>GLO Global warming</td>
<td>SKI Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>NEU Neurotoxicity</td>
<td>NF Not found on Priority Hazard Lists</td>
<td>UNK Unknown</td>
</tr>
<tr>
<td>GLO Global warming</td>
<td>OZO Ozone depletion</td>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td></td>
</tr>
</tbody>
</table>

**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 (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possible Benchmark-1)
- LT-1 List Translator 1 ( Likely Benchmark-1)
- LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
- NoGS No GreenScreen.

**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 SDG 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.