SPARTACOTE™ FLEX XPL CLINICAL PLUS
by LATICRETE International

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22812
CLASSIFICATION: 09 67 23 Resinous Flooring
PRODUCT DESCRIPTION: SPARTACOTE™ FLEX XPL CLINICAL PLUS™ is a low VOC, minimal odor, fast-curing two-part polyaspartic aliphatic polyurea equipped with antimicrobial technology* which remains active for the lifetime of the floor coating, even when damaged or worn. It is engineered to retain a low viscosity for longer periods of time, allowing for extended working times and better flow. Designed as a coating for use in hospitals, veterinary clinics, and pharmaceutical facilities, it can be used either as a clear sealer or a top coat in seamless multi-build systems.

Section 1: Summary

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

Explanation(s) provided for Residuals/Impurities?
- Yes
- 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
SPARTACOTE™ FLEX XPL CLINICAL PLUS | UNDISCLOSED LT-P1 TETRAETHYL N,N'-[METHYLENEDICYCLOHEXANE-4,1-DIYL]BIS-DL-ASPARTATE LT-UNK | SKI | UNDISCLOSED LT-P1 | AQU | EYE | MUL | DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA) LT-UNK | 2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER LT-UNK DIISOBUTYL KETONE LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS UNDISCLOSED BM-1 | PBT | MUL UNDISCLOSED NoGS UNDISCLOSED LT-UNK RES SKI | EYE | MAM UNDISCLOSED LT-P1 | MUL

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 30.1
Regulatory (g/l): 30.1
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: N/A
VOC content: TDS 251 'Low VOC LATICRETE Products*

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2020-11-04
PUBLISHED DATE: 2020-11-04
EXPIRY DATE: 2023-11-04
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

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 100 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>Residuals and impurities are measured by quantitative methods and are only displayed when they are potentially greater than 100 ppm.</td>
</tr>
<tr>
<td>OTHER PRODUCT NOTES:</td>
<td>See SDS at <a href="https://laticrete.com">https://laticrete.com</a> for occupational exposure information. 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.</td>
</tr>
</tbody>
</table>

**SPARTACOTE™ FLEX XPL CLINICAL PLUS**

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 40.0000 - 45.0000</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>None found</td>
<td>WARNINGS</td>
</tr>
</tbody>
</table>

**TETRAETHYL N,N’-(METHYLENEDICYCLOHEXANE-4,1-DIYL)BIS-DL-ASPARTATE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 30.0000 - 40.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
</tbody>
</table>

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 10.0000 - 14.0000</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td>The amount of this component may vary based on plant of manufacture.</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-statements)</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-statements)</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-statements)</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
</tbody>
</table>

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.

DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA)  
ID: 88917-22-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-11-04

%: 4.0000 - 14.0000  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Solvent

None found  
No warnings found on HPD Priority Hazard Lists

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

2-BUTENEDIOIC ACID (E)-, DIETHYL ESTER  
ID: 623-91-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-11-04

%: 2.8000 - 9.8000  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Curing agent

None found  
No warnings found on HPD Priority Hazard Lists

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

DIISOBUTYL KETONE  
ID: 108-83-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-11-04

%: 0.3000 - 0.4000  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Defoamer

None found  
No warnings found on HPD Priority Hazard Lists

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

UNDISCLOSED  
ID: 

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-11-04

%: 0.2000 - 0.5000  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Surfactant

None found  
No warnings found on HPD Priority Hazard Lists

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<table>
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<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST 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>
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<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1500 - 0.2500</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: None  NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Heat or UV stabilizer</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
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<tbody>
<tr>
<td>%: 0.1500 - 0.2500</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: None  NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Heat or UV stabilizer</td>
<td></td>
</tr>
</tbody>
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<tr>
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<th>WARNINGS</th>
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<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 0.2000</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: None  NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Biocide</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
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<th>HAZARD SCREENING DATE: 2020-11-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 0.1500</td>
<td>GS: BM-1</td>
</tr>
<tr>
<td></td>
<td>RC: None  NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Heat or UV stabilizer</td>
<td></td>
</tr>
</tbody>
</table>

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<th>HAZARD TYPE</th>
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</thead>
<tbody>
<tr>
<td>PBT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>

**PBT**
- EC - CEPA DSL
- Persistent, Bioaccumulative and inherently Toxic (PbITE) to the Environment (based on aquatic organisms)

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

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-11-04

<table>
<thead>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>0.1000 - 0.2000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></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:** 2020-11-04

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<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>0.0800 - 0.1200</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Curing agent</td>
<td>None</td>
<td>Asthmagen (G) - generally accepted</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RESPIRATORY</td>
<td>EU - GHS (H-Statements)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RESPIRATORY</td>
<td>MAK</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- RESPIRATORY
- SKIN IRRITATION
- SKIN SENSITIZE
- EYE IRRITATION
- MAMMALIAN
- RESPIRATORY

**WARNINGS**

- Asthmagen (G) - generally accepted
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H331 - Toxic if inhaled
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- Sensitizing Substance Sah - Danger of airway & skin sensitization

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

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-11-04

<table>
<thead>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>0.0200 - 0.0500</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Heat or UV stabilizer</td>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td></td>
</tr>
</tbody>
</table>

**WARNING**

- Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.
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>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-10-12</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: SPARTACOTE™ FLEX XPL™ Clinical Plus has not been tested for VOC emissions.

VOC CONTENT

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx">https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-08-12</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (Industrial Maintenance (IM) 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

SPARTACOTE™ FLEX XPL CLINICAL PLUS™ meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE FLEX XPL CLINICAL PLUS 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, 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, USA
WEBSITE: www.spartacote.com

CONTACT NAME: Mitch Hawkins
TITLE: Senior Manager, Technical Service
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
- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming

- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic

- PHY Physical hazard (flammable or reactive)
- REP Reproductive
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

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 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.