LATICRETE® PRIME N' BOND™
by LATICRETE International

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

HPD UNIQUE IDENTIFIER: 22052
CLASSIFICATION: 09 30 00 Tiling
PRODUCT DESCRIPTION: LATICRETE® PRIME N' BOND™ is a versatile, ready-to-use, single coat, low VOC primer designed to enhance the adhesion of mortars to many smooth and non-absorptive substrates that can be difficult to bond to. LATICRETE PRIME-N-BOND also improves bonding of self-leveling underlayments (SLUs).

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

All Substances Above the Threshold Indicated Are:
- Characterized
  - Yes Ex/SC
  - Yes
  - No

- Screened
  - Yes Ex/SC
  - Yes
  - No

- Identified
  - Yes Ex/SC
  - 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.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATICRETE PRIME N' BOND™</td>
<td>WATER</td>
<td>BM-4</td>
</tr>
<tr>
<td></td>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>LT-UNK</td>
</tr>
<tr>
<td></td>
<td>QUARTZ</td>
<td>LT-1</td>
</tr>
<tr>
<td></td>
<td>CAN</td>
<td>LT-UNK</td>
</tr>
<tr>
<td></td>
<td>TITANIUM DIOXIDE</td>
<td>LT-1</td>
</tr>
<tr>
<td></td>
<td>CAN</td>
<td>LT-UNK</td>
</tr>
<tr>
<td></td>
<td>KAOLIN CLAY</td>
<td>LT-UNK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VOLATILE ORGANIC COMPOUND (VOC) CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material (g/l): 0.9</td>
</tr>
<tr>
<td>Does the product contain exempt VOCs: No</td>
</tr>
</tbody>
</table>

CERTIFICATIONS AND COMPLIANCE
See Section 3 for additional listings.

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

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: 2020-06-19
PUBLISHED DATE: 2020-10-01
EXPIRY DATE: 2023-06-19
## 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](http://www.hpd-collaborative.org/hpd-2-2-standard)

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### LATICRETE® PRIME N’ BOND™

**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 [https://laticrete.com](https://laticrete.com) for occupational exposure information.

#### WATER

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-19

<table>
<thead>
<tr>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>NAN0</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 40.0000</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Diluent</td>
</tr>
</tbody>
</table>

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

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.

#### LIMESTONE: CALCIUM CARBONATE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-19

<table>
<thead>
<tr>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 30.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

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

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.

#### QUARTZ

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-19

<table>
<thead>
<tr>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.0000 - 20.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

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

**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

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.
<table>
<thead>
<tr>
<th>Substance</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>Agency and UST Titles</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDISCLOSED</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-19</td>
<td>15.0000 - 25.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer species</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-19</td>
<td>1.0000 - 2.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>None found</td>
<td>None</td>
</tr>
<tr>
<td>KAOLIN CLAY</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-19</td>
<td>1.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None found</td>
<td>None</td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-19</td>
<td>0.1000 - 0.3000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Viscosity modifier</td>
<td>None found</td>
<td>None</td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-19</td>
<td>0.0900 - 0.1500</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
<td>None found</td>
<td>None</td>
</tr>
</tbody>
</table>

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

**TITANIUM DIOXIDE**
- ID: 13463-67-7
- HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
- HAZARD SCREENING DATE: 2020-06-19
- %: 1.0000 - 2.0000
- GS: LT-1
- RC: None
- NANO: No
- SUBSTANCE ROLE: Pigment
- Cancers:
  - US CDC - Occupational Carcinogens
  - CA EPA - Prop 65
  - IARC
- Endocrine:
  - TEDX - Potential Endocrine Disruptors
- MAK
- CARCINOGEN GROUP 3B - Evidence of carcinogenic effects but not sufficient for classification
- Substance Notes: The amount of this component may vary based on the plant of manufacture.

**KAOLIN CLAY**
- ID: 1332-58-7
- HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
- HAZARD SCREENING DATE: 2020-06-19
- %: 1.0000 - 5.0000
- GS: LT-UNK
- RC: None
- NANO: No
- SUBSTANCE ROLE: Binder
- Cancers:
  - MAK
- CARCINOGEN GROUP 3B - Evidence of carcinogenic effects but not sufficient for classification
- 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: 2020-06-19
- %: 0.1000 - 0.3000
- GS: LT-UNK
- RC: None
- NANO: No
- SUBSTANCE ROLE: Viscosity modifier
- 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 TYPE

None found

### 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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.1000</td>
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</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND UST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-06-19

**%:** 0.0500 - 0.1000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Curing agent

### UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.1000</td>
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</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND UST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>None found</td>
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</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-06-19

**%:** 0.0500 - 0.1000

**GS:** LT-P1

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Buffer

### UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.1000</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND UST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-06-19

**%:** 0.0500 - 0.1000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Surfactant

### UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0100 - 0.0300</td>
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</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND UST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-06-19

**%:** 0.0100 - 0.0300

**GS:** LT-P1

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Biocide

| **ACUTE AQUATIC**                                             |                                  |
|---------------------------------------------------------------|                                  |
| **AGENCY AND UST TITLES**                                     |                                  |
| **WARNINGS**                                                 |                                  |
| **EU - GHS (H-Statements)**                                   | H400 - Very toxic to aquatic life |

**ACUTE AQUATIC**

**EU - GHS (H-Statements)**

**WARNINGS**

**H400 - Very toxic to aquatic life**

### UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0100 - 0.0300</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND UST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-06-19

**%:** 0.0100 - 0.0300

**GS:** LT-P1

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Biocide

| **ACUTE AQUATIC**                                             |                                  |
|---------------------------------------------------------------|                                  |
| **AGENCY AND UST TITLES**                                     |                                  |
| **WARNINGS**                                                 |                                  |
| **EU - GHS (H-Statements)**                                   | H400 - Very toxic to aquatic life |

**ACUTE AQUATIC**

**EU - GHS (H-Statements)**

**WARNINGS**

**H400 - Very toxic to aquatic life**
### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-19

<table>
<thead>
<tr>
<th>%: 0.0100 - 0.0300</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Biocide</th>
</tr>
</thead>
</table>

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

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

**SKIN SENSITIZE**  
**MAK**  
**Sensitizing Substance Sh - Danger of skin sensitization**

**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:** 2020-06-19

<table>
<thead>
<tr>
<th>%: 0.0010 - 0.1000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Defoamer</th>
</tr>
</thead>
</table>

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

**ENDOCRINE**  
**EU - Priority Endocrine Disruptors**  
**Category 1 - In vivo evidence of Endocrine Disruption Activity**

**PBT**  
**EU - ESIS PBT**  
**Under PBT evaluation**

**PBT**  
**EU - SVHC Authorisation List**  
**PBT - Candidate list**

**PBT**  
**EU - SVHC Authorisation List**  
**vPvB - Candidate list**

**PBT**  
**OR DEQ - Priority Persistent Pollutants**  
**Priority Persistent Pollutant - Tier 1**

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

**PBT**  
**EC - CEPA DSL**  
**Persistent, Bioaccumulative and inherently Toxic (PBT/TH) to humans**

**RESTRICTED LIST**  
**US EPA - PPT Chemical Action Plans**  
**TSCA Work Plan chemical - Action Plan in development**

**REPRODUCTIVE**  
**EU - GHS (H-Statements)**  
**H361f - Suspected of damaging fertility**

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

**ENDOCRINE**  
**ChemSec - SIN List**  
**Endocrine Disruption**

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

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

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

**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**

<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>N/A</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-01-18</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:** LATICRETE® PRIME N' BOND™ 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>TDS 251 “LATICRETE Low VOC Products / LEED Certification”</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 (Primers).

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® PRIME N' BOND™ meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE PRIME N' BOND 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, 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>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms</th>
<th>Inventory Methods</th>
<th>Nano</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
<td>PreC Pre-consumer recycled content</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
<td>Nested Method / Material Threshold Substances listed within each material per threshold indicated per material</td>
<td></td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>BM-3 Benchmark 3 (use but still opportunity for improvement)</td>
<td>PostC Post-consumer recycled content</td>
<td></td>
<td>Nested Method / Product Threshold Substances listed within each material per threshold indicated per product</td>
<td></td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td>UNK Inclusion of recycled content is unknown</td>
<td></td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
<td></td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>BM-Un Benchmark Unspecified (due to insufficient data)</td>
<td>None Does not include recycled content</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>LT-P1 List Translator Possible 1 (Possible Benchmark-1)</td>
<td></td>
<td></td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
<td></td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td></td>
<td></td>
<td></td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
<td></td>
</tr>
<tr>
<td>GLO Global warming</td>
<td></td>
<td></td>
<td></td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
<td></td>
</tr>
<tr>
<td>PHY Physical hazard (flammable or reactive)</td>
<td></td>
<td></td>
<td></td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
<td></td>
</tr>
<tr>
<td>REP Reproductive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RES Respiratory sensitization</td>
<td>LT-1 List Translator 1 (Likely Benchmark-1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKI Skin sensitization/irritation/corrosivity</td>
<td>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.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNK Unknown</td>
<td>NoGS No GreenScreen.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.