### Section 1: Summary

**CONTENT INVENTORY**

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Characterized Yes Ex/SC Yes No % weight and role provided for all substances.</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Screened Yes Ex/SC Yes No All substances screened using Priority Hazard Lists with results disclosed.</td>
</tr>
<tr>
<td></td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
<td>Identified Yes Ex/SC Yes 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.</td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATICRETE® 257 TITANIUM (WHITE)</td>
<td>PORTLAND CEMENT</td>
<td>LT-P1</td>
<td>END</td>
<td>CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK</td>
</tr>
<tr>
<td></td>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>LT-UNK</td>
<td>CALCIUM DIFORMATE</td>
<td>LT-UNK CALCIUM CARBONATE BM-3</td>
</tr>
</tbody>
</table>

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 0.00 Regulatory (g/l): N/A

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: UL GreenGuard Gold (257 TITANIUM)

VOC content: LATICRETE Technical Data Sheet 251

LCA: LATICRETE Cement Mortar for Tile Installation Product Specific (Type III) Environmental Product Declaration

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients Option 1

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**Section 1: Summary**

LATICRETE® 257 Titanium (White) is the ultimate, lightweight one-step, polymer fortified, thin-set mortar that is ideal for the installation of Gauged Porcelain Tile Panels/Slabs (GPTP) as well as for interior and exterior installation of ceramic tile, porcelain tile, stone, quarry tile, pavers and brick. 257 TITANIUM is designed with key features to facilitate the installation of Gauged Porcelain Tile Panels including long open time, superior transfer for maximum coverage, easy to spread creamy consistency and a lightweight formula for easier handling. 257 TITANIUM features unsurpassed bond strength, exceeding ANSI A118.15 requirements.

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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.hpdcollaborative.org/hpd-2-2-standard

LATICRETE® 257 TITANIUM (WHITE)

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.

PORTLAND CEMENT

ID: 65997-15-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-06

%: 70.0000 - 80.0000  GS: LT-P1  RC: None  NANO: No  SUBSTANCE ROLE: Binder

HAZARD TYPE  AGENCY AND LIST TITLES  WARNINGS

ENDOCRINE  TEDX - Potential Endocrine Disruptors  Potential Endocrine Disruptor

CANCER  MAK  Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-06

%: 10.0000 - 13.0000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Polymer species

HAZARD TYPE  AGENCY AND LIST 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. 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: 2020-10-06

%: 4.0000 - 8.0000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Filler

HAZARD TYPE  AGENCY AND LIST 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. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.
<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>Agency and List Titles</th>
<th>Warnings</th>
</tr>
</thead>
</table>
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-06  
%: 0.5000 - 1.0000 | GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Processing regulator | None found  
No warnings found on HPD Priority Hazard Lists |
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-06  
%: 0.5000 - 1.0000 | GS: NoGS  
RC: None  
NANO: No  
SUBSTANCE ROLE: Plasticizer | None found  
No warnings found on HPD Priority Hazard Lists |
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-06  
%: 0.3000 - 0.6000 | GS: NoGS  
RC: None  
NANO: No  
SUBSTANCE ROLE: Polymer species | None found  
No warnings found on HPD Priority Hazard Lists |
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-06  
%: 0.0010 - 0.0100 | GS: BM-1  
RC: None  
NANO: No  
SUBSTANCE ROLE: Biocide | MULTIPLE  
German FEA - Substances Hazardous to Waters  
Class 3 - Severe Hazard to Waters  
ENDOCRINE  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor |
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-06  
%: 0.3000 - 0.6000 | GS: NoGS  
RC: None  
NANO: No  
SUBSTANCE ROLE: Plasticizer | 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. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

**LIMESTONE; CALCIUM CARBONATE**  
ID: 1317-65-3
<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Impurity/Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.

---

### CALCIUM DIFORMATE

**ID:** 544-17-2

<table>
<thead>
<tr>
<th>%: 0.0000 - 3.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Processing regulator</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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### CALCIUM CARBONATE

**ID:** 471-34-1

<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS: BM-3</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Impurity/Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**UL GreenGuard Gold (257 TITANIUM)**

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** Applies to All Facilities  

**ISSUE DATE:** 2009-11-20  
**EXPIRY DATE:** 2021-07-09  
**CERTIFIER OR LAB:** UL Environment

**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 both office and classroom scenarios.

### VOC CONTENT

**LATICRETE Technical Data Sheet 251**

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** Applies to All Facilities.  
**CERTIFICATE URL:** [https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en](https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en)

**ISSUE DATE:** 2020-08-12  
**CERTIFIER OR LAB:** LATICRETE

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

### LCA

**LATICRETE Cement Mortar for Tile Installation Product Specific (Type III) Environmental Product Declaration**

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** Applies to All Facilities.  

**ISSUE DATE:** 2016-11-29  
**EXPIRY DATE:** 2021-11-28  
**CERTIFIER OR LAB:** UL Environment

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 Credit “Building Product Disclosure and Optimization-Environmental Product Declarations” requirements as a Product Specific (Type III) EPD.

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.

**WATER**

**HPD URL:** No HPD Available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**  
LATICRETE 257 Titanium (White) to be mixed with water only following mix ratio and directions as stated on data sheet.

Section 5: General Notes

LATICRETE® 257 TITANIUM™ (White) meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE 257 TITANIUM (White) 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), Polychlorinated Benzene Chloride (PVDC), and Polyvinyl Chloride (PVC) • Chlorobenzenes • Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs) • Formaldehyde (added) • Monomeric, polymeric and organophosphate 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.
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.