LATICRETE® 257 Titanium (White) by LATICRETE International

CLASSIFICATION: 09 30 00 Tiling

PRODUCT DESCRIPTION: 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.

Section 1: Summary

Basic Method / Product Threshold

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
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:

Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances.

Screened
- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed.

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.

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
---|---|---|---|---
LATICRETE® 257 TITANIUM (WHITE) | PORTLAND CEMENT LT-P1 | END | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS UNDISCLOSED BM-1 | MUL | END LIMESTONE; CALCIUM CARBONATE LT-UNK CALCIUM DIFORMATE LT-UNK LIMESTONE; CALCIUM CARBONATE LT-UNK CALCIUM CARBONATE BM-3 |

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.

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

No pre-checks completed or disclosed.
## 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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-04-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 70.00 - 80.00</td>
<td>GS: LT-P1</td>
<td>RC: None</td>
<td>ROLE: Binder</td>
</tr>
</tbody>
</table>

**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:** 2020-04-24

| %: 10.00 - 13.00 | GS: LT-UNK | RC: None | NANO: No | ROLE: Polymer |

**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:** 2020-04-24

| %: 4.00 - 8.00 | GS: LT-UNK | RC: None | NANO: No | ROLE: Filler |

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

None found
### LATICRETE 257 Titanium (White)

#### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50 - 1.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Workability Adjuster</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
None found

**WARNINGS**  
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.

#### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50 - 1.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Water Reducer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
None found

**WARNINGS**  
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.

#### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.30 - 0.60</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
None found

**WARNINGS**  
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.

#### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 0.01</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Anti-Microbial</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
None found

**WARNINGS**  
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>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</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.

### LIMESTONE; CALCICUM CARBONATE

**ID:** 1317-65-3

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

**HAZARD SCREENING DATE:** 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**WARNINGS**

No warnings found on HPD Priority Hazard Lists

**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.

### CALCICUM DIFORMATE

**ID:** 544-17-2

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

**HAZARD SCREENING DATE:** 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 3.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Cure Accelerator</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**WARNINGS**

No warnings found on HPD Priority Hazard Lists

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

### LIMESTONE; CALCICUM CARBONATE

**ID:** 1317-65-3

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

**HAZARD SCREENING DATE:** 2020-04-24

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**WARNINGS**

No warnings found on HPD Priority Hazard Lists

**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.

### CALCICUM CARBONATE

**ID:** 471-34-1
<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-04-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: <strong>Impurity/Residual</strong></td>
<td>GS: <strong>BM-3</strong></td>
</tr>
<tr>
<td></td>
<td>RC: <strong>None</strong></td>
</tr>
<tr>
<td></td>
<td>NANO: <strong>No</strong></td>
</tr>
<tr>
<td></td>
<td>ROLE: <strong>Impurity/Residual</strong></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td>No warnings found on HPD Priority Hazard Lists</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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>APPLICABLE FACILITIES</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL GreenGuard Gold (257 TITANIUM)</td>
<td>Third Party</td>
<td>Applies to All Facilities</td>
<td>2009-11-20</td>
<td>2020-07-09</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: http://certificates.greenguard.org/default.aspx?id=96430&t=cs&

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2-2017 in both office and classroom scenarios.

### VOC CONTENT

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>APPLICABLE FACILITIES</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATICRETE Technical Data Sheet 251</td>
<td>Self-declared</td>
<td>Applies to All Facilities</td>
<td>2018-12-18</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: https://cdn.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx?la=en

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

### LCA

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>APPLICABLE FACILITIES</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATICRETE Cement Mortar for Tile Installation Product Specific (Type III) Environmental Product Declaration</td>
<td>Self-declared</td>
<td>Applies to All Facilities</td>
<td>2016-11-29</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: https://cdn.laticrete.com/~media/environmental-product-data-sheets/cement-mortar-for-tile-installation.ashx

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 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
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), 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.
Section 6: References

**MANUFACTURER INFORMATION**

**MANUFACTURER:** LATICRETE International  
**ADDRESS:** 1 Laticrete Park North  
Bethany CT 06524, USA  
**WEBSITE:** https://laticrete.com  
**CONTACT NAME:** Mitch Hawkins  
**TITLE:** Senior Manager, Technical Services  
**PHONE:** 203-393-4619  
**EMAIL:** wmhawkins@laticrete.com

**KEY**

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet  
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Hazard Types**

<table>
<thead>
<tr>
<th>AQU</th>
<th>Aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
</tbody>
</table>

| GLO | Global warming   |
| MAM | Mammalian/systemic/organ toxicity |
| MUL | Multiple hazards |
| NEU | Neurotoxicity    |
| OZO | Ozone depletion  |
| PBT | Persistent Bioaccumulative Toxic |
| PHY | Physical Hazard (reactive) |
| REP | Reproductive toxicity |
| RES | Respiratory sensitization |
| SKI | Skin sensitization/irritation/corrosivity |
| LAN | Land Toxicity    |
| NF  | Not found on Priority Hazard Lists |

**GreenScreen (GS)**

| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible Benchmark 1 |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator Likely Benchmark 1 |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS Unknown (no data on List Translator Lists) |
| BM-U Benchmark Unspecified (insufficient data to benchmark) |

**Recycled Types**

| PreC | Preconsumer (Post-Industrial) |
| PostC | PostconSUMER |
| Both | Both Preconsumer and Postconsumer |
| Unk | Inclusion of recycled content is unknown |
| None | Does not include recycled content |

**Other Terms**

**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.