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 317 MORTAR (WHITE) | QUARTZ | LT-1 | CAN | PORTLAND CEMENT LT-P1 | END | CAN UNDISCLOSED NoGS | UNDISCLOSED LT-UNK | CALCIUM CARBONATE BM-3 | LIMESTONE; CALCIUM CARBONATE LT-UNK

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-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): 0,00
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 (317 Mortar)
VOC content: TDS 251 “Low VOC LATICRETE® Products"
LCA: LATICRETE Cement Mortar for Tile Installation Product Specific (Type III) Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:
SCREENING DATE: 2019-01-07
PUBLISHED DATE: 2019-05-21
EXPIRY DATE: 2022-01-07
### LATICRETE 317 MORTAR (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.

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### QUARTZ

**ID:** 14808-60-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-07

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.00 - 70.00</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Aggregate</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
  - New Zealand - GHS: 6.7A - Known or presumed human carcinogens
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350i - May cause cancer by inhalation

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

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### PORTLAND CEMENT

**ID:** 65997-15-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-07

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.00 - 22.00</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
- **CANCER**
  - MAK: Carcinogen Group 1 - Substances that cause cancer in man
  - New Zealand - GHS: 6.7A - Known or presumed human carcinogens
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350i - May cause cancer by inhalation
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: 2019-01-07

%: 5.00 - 10.00
GS: NoGS
RO: None
NANO: No
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 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: 2019-01-07

%: 0.20 - 0.50
GS: LT-UNK
RO: None
NANO: No
ROLE: Working Time Adjuster

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 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: 2019-01-07

%: 0.00 - 10.00
GS: LT-UNK
RO: PreC
NANO: No
ROLE: Binder

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 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.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-01-07

LATICRETE 317 Mortar (White)
**HAZARD TYPE**

<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS: BM-3</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Impurity/Residual</th>
</tr>
</thead>
</table>

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.

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

**HAZARD SCREENING DATE:** 2019-01-07

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

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.
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 (317 Mortar)**

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** Applies to All Facilities.  
**CERTIFICATE URL:** http://certificates.ulenvironment.com/default.aspx?id=2549&t=cs  
**ISSUE DATE:** 2009-07-07  
**EXPIRY DATE:** 2019-07-09  
**CERTIFIER OR LAB:** UL Environment

**CERTIFICATION AND COMPLIANCE NOTES:** LATICRETE 317 Mortar (Grey) 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 an office and classroom environment.

### VOC CONTENT

**TDS 251 "Low VOC LATICRETE® Products"**

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** Applies to All Facilities.  
**CERTIFICATE URL:** https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en  
**ISSUE DATE:** 2018-12-18  
**EXPIRY DATE:**  
**CERTIFIER OR LAB:** LATICRETE

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4 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:** Third Party  
**APPLICABLE FACILITIES:** Applies to All Facilities in North America  
**CERTIFICATE URL:** https://laticrete.com/~/media/environmental-product-data-sheets/cement-mortar-for-tile-installation.ashx?la=en  
**ISSUE DATE:** 2016-11-29  
**EXPIRY DATE:** 2021-11-28  
**CERTIFIER OR LAB:** UL Environment

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

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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.

**LATICRETE 4237 LATEX ADDITIVE**  
**HPD URL:** https://cdn.laticrete.com/~/media/health-product-datasheets/tsis/4237-hpd.ashx
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE 317 Mortar (White) to be mixed with LATICRETE 4237 Latex Additive following mix ratio and directions as stated in product data sheet.

LATICRETE 333 SUPER FLEXIBLE ADDITIVE
HPD URL: https://cdn.laticrete.com/~/media/health-product-datasheets/tsis/333-hpd.ashx

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE 317 Mortar (White) to be mixed with LATICRETE 333 Super Flexible Additive following the mix ratio and directions as stated in product data sheet.

LATICRETE 3701 MORTAR ADMIX
HPD URL: https://cdn.laticrete.com/~/media/health-product-datasheets/tsis/3701-admix-hpd.ashx

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE 317 Mortar (White) to be mixed with LATICRETE 3701 Mortar Admix following the mix ratio and directions as stated in product data sheet.

WATER
HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE 317 Mortar (White) to be mixed with water following mix ratio and directions as stated in product data sheet.

Section 5: General Notes

LATICRETE® 317 Mortar (White) meets the Living Building Challenge v3.1 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE 317 Mortar (White) does not contain the following: •Alkylphenols •Asbestos •Bisphenol A (BPA) •Cadmium •Chlorinated Polyethylene & Chlorosulfonated Polyethylene •Chlorobenzenes •Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs) •Chloroprene (Neoprene) •Chromium VI •Chlorinated Polyvinyl Chloride (CPVC) •Formaldehyde (all types - added) •Halogenated Flame Retardants (HFRs) •Lead (added) •Mercury •Polychlorinated Biphenyls (PCBs) •Perfluorinated Compounds (PFCs) •Phthalates •Polyvinyl Chloride (PVC) •Polyvinylidene Chloride (PVDC) •Short Chain Chlorinated Paraffins •Wood treatments containing Creosote, Arsenic or Pentachlorophenol. LATICRETE 317 Mortar (White) also does not contain the following California-defined Group II toxic exempt solvents: •Methylene Chloride (Dichloromethane) •1,1,1-trichloroethane (methyl chloroform) •Trichlorofluoromethane (CFC-11) •Dichlorofluoromethane (CFC-12) •1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) •1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114) •Chloropentafluoroethane (CFC-115) •Cyclic, Branched or Linear, Completely Methylated Siloxanes (VMS) •Tetrachloroethylene (perchloroethylene) •Ethylfluoride (HFC-161) •1,1,1,3,3,3-hexafluoropropane (HFC-236fa) •1,1,2,3,3-pentafluoropropane (HFC-245ca) •1,1,2,3,3-pentafluoropropane (HFC-245ea) •1,1,1,2,3-pentafluoropropane (HFC-245eb) •1,1,1,3,3-pentafluoropropane (HFC-245fa) •1,1,1,2,3,3-hexafluoropropane (HFC-236ea) •1,1,1,3,3-pentafluorobutane (HFC-365mfc) •chlorofluoromethane (HCFC-31) •1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a) •1 chloro-1-fluoroethane )HCFC-151a)
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.