LATICRETE® LHT™ (White)
by LATICRETE International

CLASSIFICATION: 09 30 00

PRODUCT DESCRIPTION: A polymer modified large and heavy tile mortar specifically formulated to provide a one-step installation for large format ceramic tile, porcelain tile, marble and stone on floors.

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.

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: N/A
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
Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2020-03-16
PUBLISHED DATE: 2020-05-08
EXPIRY DATE: 2023-03-16
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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

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**LATICRETE LHT (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:** 2020-03-16

<table>
<thead>
<tr>
<th>%: 55.00 - 65.00</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Aggregate</th>
</tr>
</thead>
</table>

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

- **CANCER**  
  - US CDC - Occupational Carcinogens  
  - Occupational Carcinogen

- **CANCER**  
  - CA EPA - Prop 65  
  - Carcinogen - specific to chemical form or exposure route

- **CANCER**  
  - US NIH - Report on Carcinogens  
  - Known to be Human Carcinogen (respirable size - occupational setting)

- **CANCER**  
  - MAK  
  - Carcinogen Group 1 - Substances that cause cancer in man

- **CANCER**  
  - IARC  
  - Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

- **CANCER**  
  - IARC  
  - Group 1 - Agent is Carcinogenic to humans

- **CANCER**  
  - GHS - New Zealand  
  - 6.7A - Known or presumed human carcinogens

- **CANCER**  
  - GHS - Japan  
  - Carcinogenicity - Category 1A [H350]

- **CANCER**  
  - GHS - Australia  
  - 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:** 2020-03-16

<table>
<thead>
<tr>
<th>%: 20.00 - 30.00</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

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

- **CANCER**  
  - IARC  
  - Group 1 - Agent is Carcinogenic to humans

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Hazard Type: Cancer
Agency and List Titles: MAK
Warnings: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

Hazard Type: Endocrine
Agency and List Titles: TEDX - Potential Endocrine Disruptors
Warnings: Potential Endocrine Disruptor

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: 2020-03-16
%: 10.00 - 15.00
GS: NoGS
RC: None
NANO: No
Role: Filler

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. 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: 2020-03-16
%: 5.00 - 10.00
GS: LT-UNK
RC: PreC
NANO: No
Role: Binder

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. 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: 2020-03-16
%: 0.50 - 2.00
GS: LT-UNK
RC: None
NANO: No
Role: Polymer

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. 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: 2020-03-16

LATICRETE LHT (White)
%: 0.10 - 0.50
GS: LT-UNK
RC: 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: 2020-03-16

%: 0.10 - 0.20
GS: LT-UNK
RC: None
NANO: No
ROLE: Cure Time Accelerator

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: 2020-03-16

%: Impurity/Residual
GS: BM-3
RC: None
NANO: No
ROLE: Impurity/Residual

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

None found

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.

LIMESTONE; CALCIUM CARBONATE
ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-03-16

%: Impurity/Residual
GS: LT-UNK
RC: None
NANO: No
ROLE: Impurity/Residual

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

None found

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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
<th>ISSUE DATE:</th>
<th>2019-01-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: LATICRETE® LHT™ (White) has not been tested for VOC emissions.

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
<th>ISSUE DATE:</th>
<th>2019-01-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx">https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>Third Party</th>
<th>ISSUE DATE:</th>
<th>2016-11-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities in North America</td>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD Available</th>
</tr>
</thead>
</table>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

LATICRETE LHT (White) to be mixed with water only following mix ratio and directions as stated in product data sheet.
LATICRETE® LHT (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 LHT (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), Chloropprene (neoprene monomer), Chlorosulfonated polyethylene (CSPE), Polyvinylidene 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.
### 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

<table>
<thead>
<tr>
<th>OSHA MSDS</th>
<th>GHS SDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupational Safety and Health Administration Material Safety Data Sheet</td>
<td>Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
</tr>
</tbody>
</table>

#### 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>

<table>
<thead>
<tr>
<th>GLO</th>
<th>Global warming</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHY</th>
<th>Physical Hazard (reactive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

#### GreenScreen (GS)

<table>
<thead>
<tr>
<th>BM-4 Benchmark 4</th>
<th>(prefer-safer chemical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-3 Benchmark 3</td>
<td>(use but still opportunity for improvement)</td>
</tr>
<tr>
<td>BM-2 Benchmark 2</td>
<td>(use but search for safer substitutes)</td>
</tr>
<tr>
<td>BM-1 Benchmark 1</td>
<td>(avoid - chemical of high concern)</td>
</tr>
<tr>
<td>BM-U Benchmark Unspecified</td>
<td>(insufficient data to benchmark)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LT-P1 List Translator Possible Benchmark 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT-1 List Translator Likely Benchmark 1</td>
</tr>
<tr>
<td>LT-UNK List Translator Benchmark Unknown</td>
</tr>
</tbody>
</table>

#### Recycled Types

<table>
<thead>
<tr>
<th>PreC</th>
<th>Preconsumer (Post-Industrial)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PostC</td>
<td>Postconsumer</td>
</tr>
<tr>
<td>Both</td>
<td>Both Preconsumer and Postconsumer</td>
</tr>
<tr>
<td>Unk</td>
<td>Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td>None</td>
<td>Does not include recycled content</td>
</tr>
</tbody>
</table>

#### Other Terms

<table>
<thead>
<tr>
<th>Nano</th>
<th>Composed of nano scale particles or nanotechnology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party Verified</td>
<td>Verification by independent certifier approved by HPDC</td>
</tr>
<tr>
<td>Preparer</td>
<td>Third party preparer, if not self-prepared by manufacturer</td>
</tr>
</tbody>
</table>

#### 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

#### Other Terms

- 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

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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.

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**LATICRETE LHT (White)**

hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 7 of 7