LATICRETE® TRI-LITE™ (Grey)
by LATICRETE International

CLASSIFICATION: 09 30 00

PRODUCT DESCRIPTION: A lightweight, high performance tri-purpose mortar designed for large and heavy tile, thin-bed and wall installations that meets ANSI A118.15 and ISO C2TES1P1.

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
- Screened
- Identified

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 TRI-LITE (GREY) | PORTLAND CEMENT LT-P1 | END | CAN
QUARTZ LT-1 | UNDISCLOSED LT-UNK | LT-UNK
UNDISCLOSED LT-UNK | LT-UNK UNDISCLOSED LT-UNK | LT-UNK
UNDISCLOSED LT-UNK | LT-UNK

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 (TRI-LITE)
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
### LATICRETE TRI-LITE (GREY)

**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

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-08

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.0000 - 65.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

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

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

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

---

### QUARTZ

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-08

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 25.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Aggregate</td>
</tr>
</tbody>
</table>

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

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

---

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

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

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

**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
<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>The amount of this component may vary based on plant of manufacture.</td>
<td></td>
<td></td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Working Time Adjuster</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Cure Accelerator</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WARNINGS**

No hazards 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**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2019-01-08

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0100 - 0.1500</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Rheology Modifier</td>
</tr>
</tbody>
</table>

**CANCER**

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

**WARNINGS**

No hazards 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**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2019-01-08

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 8.0000</td>
<td>LT-UNK</td>
<td>PreC</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**WARNINGS**

No hazards 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**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2019-01-08

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 8.0000</td>
<td>LT-UNK</td>
<td>PreC</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**WARNINGS**

No hazards 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.
### 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>UL GreenGuard Gold (TRI-LITE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifying Party:</td>
<td>Third Party</td>
</tr>
<tr>
<td>Applicable Facilities:</td>
<td>Applies to All Facilities</td>
</tr>
<tr>
<td>Issue Date:</td>
<td>2009-07-07</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td>2019-07-09</td>
</tr>
<tr>
<td>Certifier or Lab:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

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 an office and classroom environment.

#### VOC CONTENT

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>TDS 251 &quot;Low VOC LATICRETE® Products&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifying Party:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>Applicable Facilities:</td>
<td>Applies to All Facilities</td>
</tr>
<tr>
<td>Certificate URL:</td>
<td><a href="https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en">https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en</a></td>
</tr>
<tr>
<td>Issue Date:</td>
<td>2018-12-18</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td>CERTIFIER OR LAB: LATICRETE</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Meets LEED v4 Credit &quot;Low Emitting Materials&quot; VOC Content Requirements per SCAQMD Rule 1168 (Tile Adhesive).</td>
</tr>
</tbody>
</table>

#### LCA

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>LATICRETE Cement Mortar for Tile Installation Product Specific (Type III) Environmental Product Declaration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifying Party:</td>
<td>Third Party</td>
</tr>
<tr>
<td>Applicable Facilities:</td>
<td>Applies to All Facilities in North America</td>
</tr>
<tr>
<td>Issue Date:</td>
<td>2016-11-29</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td>2021-11-28</td>
</tr>
<tr>
<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>Water</th>
<th>HPD URL: No HPD Available</th>
</tr>
</thead>
</table>
LATICRETE® TRI-LITE™ (Grey) meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE TRI-LITE (Grey) 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 TRI-LITE (Grey) 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)
- 1,1,1,3,3-pentafluoropropane (HFC-236fa)
- 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)
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International
ADDRESS: 1 Laticrete Park North
Bethany CT 06524, USA
WEBSITE: www.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
- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple hazards
- NEU Neurotoxicity
- OZ0 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)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (insufficient data to benchmark)
- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS Unknown (no data on List Translator Lists)

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.