LATICRETE® 1600 Unsanded Grout
by LATICRETE International

CLASSIFICATION:  09 30 00

PRODUCT DESCRIPTION: A premium, factory prepared, polymer-fortified, unsanded portland cement grout designed to be mixed with water or LATICRETE 1776 Grout Enhancer. Formulated from a blend of high strength portland cement, graded aggregates, polymers and color-fast pigments. Provides a grout joint that is dense, hard and durable. For narrow joints (1/8"/3mm or less) between soft bisque glazed wall tile, non-vitreous clay tile, marble and stone.

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® 1600 UNSANDED GROUT | PORTLAND CEMENT LT-P1 | END | CAN | LT-1
MAGNESIUM HYDROXIDE BM-3 | UNDISCLOSED | LT-UNK | UNDISCLOSED | LT-UNK
CALCIUM CARBONATE BM-3 LIMESTONE, CALCIUM CARBONATE LT-UNK | UNDISCLOSED | LT-UNK | TITANIIUM DIOXIDE, PIGMENT WHITE 6 LT-1 | CAN | END UNDISCLOSED | LT-UNK | UNDISCLOSED | LT-1 | RES | CAN | GEN | REP |

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 Certified(1600 Grout)
VOC content: TDS 251 "Low VOC LATICRETE Products"
LCA: LATICRETE Grout 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: 2018-12-18
PUBLISHED DATE: 2018-12-21
EXPIRY DATE: 2021-12-18

LATICRETE 1600 Unsanded Grout
hpdrepository.hpd-collaborative.org

HPD v2.1.1 created via HPDC Builder Page 1 of 9
## LATICRETE® 1600 UNSANDED GROUT

**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.

### Undisclosed

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2018-12-18</td>
<td>50.0000 - 65.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**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.

## PORTLAND CEMENT

**ID:** 65997-15-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-18  
**%:** 28.0000 - 38.0000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Binder

### Endocrine

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

### Cancer

**Agency and List Titles:** MAK  
**Warnings:** 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.

## CALCIUM HYDROXIDE

**ID:** 1305-62-0  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-18  
**%:** 2.0000 - 3.0000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Binder

**Substance Notes:** The amount of this component may vary based on plant of manufacture.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAGNESIUM HYDROXIDE</td>
<td>1309-42-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-12-18</td>
<td>2.0000 - 3.0000</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
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<tr>
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<td></td>
<td></td>
<td>0.2000 - 0.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Working Time Adjuster</td>
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<td>1.0000 - 2.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
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<td>Impurity/Residual</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
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<tr>
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</tbody>
</table>
**LIMESTONE, CALCIUM CARBONATE**

**ID:** 1317-65-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-18  
**%:** Impurity/Residual  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Impurity/Residual  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found

**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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**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-18  
**%:** 0.0000 - 7.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found

**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.

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**TITANIUM DIOXIDE, PIGMENT WHITE 6**

**ID:** 98084-96-9  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-18  
**%:** 0.0000 - 2.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment  

**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  
IARC  
Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources  
ENDOCRINE  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor  
CANCER  
MAK  
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value  
CANCER  
MAK  
Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** The amount of this component may vary based on plant of manufacture.
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<tbody>
<tr>
<td>#: 0.0000 - 7.0000</td>
<td>GS: LT-UNK</td>
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<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
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<tr>
<td>No hazards found</td>
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<tbody>
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<td>#: 0.0000 - 2.0000</td>
<td>GS: LT-P1</td>
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<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>No hazards found</td>
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<td>#: 0.0000 - 2.0000</td>
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<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
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<td>#: 0.0000 - 2.0000</td>
<td>GS: LT-1</td>
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<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
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<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
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<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
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</table>
GENE MUTATION  MAK  Germ Cell Mutagen 3a

REPRODUCTIVE  Australia - GHS  H360F - May damage fertility

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.
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>
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</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
<td>CERTIFICATE URL:</td>
<td><a href="http://certificates.greenguard.org/default.aspx?id=2552&amp;t=cs&amp;">http://certificates.greenguard.org/default.aspx?id=2552&amp;t=cs&amp;</a></td>
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</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>Self-declared</th>
<th>ISSUE DATE:</th>
<th>2018-12-18</th>
<th>EXPIRY DATE:</th>
<th>CERTIFIER OR LAB:</th>
<th>LATICRETE</th>
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<tbody>
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<td>CERTIFICATE URL:</td>
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</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>
<th>EXPIRY DATE:</th>
<th>CERTIFIER OR LAB:</th>
<th>UL Environment</th>
</tr>
</thead>
</table>

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED V4 Credit "Building product Disclosure and Optimization Environmental Product Declarations" requirements as 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.

LATICRETE 1776 GROUT ENHANCER

HPD URL: https://cdn.laticrete.com/~/media/health-product-datasheets/tsis/1776-hpd.ashx
LATICRETE® 1600 Unsanded Grout meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE 1600 Unsanded Grout 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 1600 Unsanded Grout 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-245bf)
- 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 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.