LATICRETE® PERMACOLOR® Grout
by LATICRETE International

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22595
CLASSIFICATION: 09 30 00 Tiling
PRODUCT DESCRIPTION: High performance cement based grout which meets ANSI A118.7 and ISO CG2WA.

Section 1: Summary

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
- 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® PERMACOLOR® GROUT [ QUARTZ LT-1 | CAN HIGH-ALUMINA CEMENT LT-UNK UNDISCLOSED NoGS UNDISCLOSED LT-UNK PORTLAND CEMENT LT-P1 | END | CAN PLASTER OF PARIS NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK LITHIUM CARBONATE LT-1 | DEV | REP UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-1 CAN LT-UNK CALCIUM CARBONATE BM-3 LIMESTONE; CALCIUM CARBONATE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END FERRIC OXIDE BM-1 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 UNDISCLOSED LT-1 | RES | CAN | GEN | REP ULTRAMARINE (PIGMENT) LT-UNK ]

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 (PERMACOLOR)
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: 2020-10-21
PUBLISHED DATE: 2020-10-21
EXPIRY DATE: 2023-10-21
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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

### LATICRETE® PERMACOLOR® 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.

<table>
<thead>
<tr>
<th>QUARTZ</th>
<th>ID: 14808-60-7</th>
</tr>
</thead>
</table>
| **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21  
**%:** 55.0000 - 65.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Filler  
**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 |
| 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.

### HIGH-ALUMINA CEMENT

**ID:** 65997-16-2

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21  
**%:** 20.0000 - 30.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE 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.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>% Range</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Substance Role</th>
<th>HAZARD TYPE</th>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-21</td>
<td>5.0000 - 8.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None</td>
<td>Pharos Chemical and Materials Library</td>
<td>Hazard screening method: Pharos Chemical and Materials Library, HAZARD SCREENING DATE: 2020-10-21, %: 5.0000 - 8.0000, GS: NoGS, RC: None, NANO: No, SUBSTANCE ROLE: Filler, HAZARD TYPE: None found, AGENCY AND LIST TITLES: 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.</td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-21</td>
<td>5.0000 - 7.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None</td>
<td>Pharos Chemical and Materials Library</td>
<td>Hazard screening method: Pharos Chemical and Materials Library, HAZARD SCREENING DATE: 2020-10-21, %: 5.0000 - 7.0000, GS: LT-UNK, RC: None, NANO: No, SUBSTANCE ROLE: Binder, HAZARD TYPE: None found, AGENCY AND LIST TITLES: 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.</td>
<td></td>
</tr>
<tr>
<td>PORTLAND CEMENT</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-21</td>
<td>2.0000 - 4.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>Endocrine</td>
<td>Pharos Chemical and Materials Library</td>
<td>Hazard screening method: Pharos Chemical and Materials Library, HAZARD SCREENING DATE: 2020-10-21, %: 2.0000 - 4.0000, GS: LT-P1, RC: None, NANO: No, SUBSTANCE ROLE: Binder, HAZARD TYPE: Endocrine, AGENCY AND LIST TITLES: 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.</td>
<td></td>
</tr>
<tr>
<td>PLASTER OF PARIS</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-21</td>
<td>1.0000 - 2.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None</td>
<td>Pharos Chemical and Materials Library</td>
<td>Hazard screening method: Pharos Chemical and Materials Library, HAZARD SCREENING DATE: 2020-10-21, %: 1.0000 - 2.0000, GS: NoGS, RC: None, NANO: No, SUBSTANCE ROLE: Filler, HAZARD TYPE: None found, AGENCY AND LIST TITLES: WARNINGS: No warnings found on HPD Priority Hazard Lists. SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture.</td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-21</td>
<td>1.0000 - 3.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer species</td>
<td>None</td>
<td>Pharos Chemical and Materials Library</td>
<td>Hazard screening method: Pharos Chemical and Materials Library, HAZARD SCREENING DATE: 2020-10-21, %: 1.0000 - 3.0000, GS: LT-UNK, RC: None, NANO: No, SUBSTANCE ROLE: Polymer species, HAZARD TYPE: None found, AGENCY AND LIST TITLES: WARNINGS: No warnings found on HPD Priority Hazard Lists. SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture.</td>
<td></td>
</tr>
</tbody>
</table>
### Undisclosed

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21  
**%:** 0.2000 - 0.5000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Processing regulator

**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.

### Lithium Carbonate

**ID:** 554-13-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21  
**%:** 0.1500 - 0.2500  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Processing regulator

**DEVELOPMENTAL**  
CA EPA - Prop 65  
Developmental toxicity

**REPRODUCTIVE**  
GHS - New Zealand  
6.8A - Known or presumed human reproductive or developmental toxicants

**REPRODUCTIVE**  
GHS - Japan  
Toxic to reproduction - Category 1A [H360]

**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:** 2020-10-21  
**%:** 0.1000 - 0.2000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Processing regulator

**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:** 2020-10-21  
**%:** 0.0500 - 0.1000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Defoamer
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350 - May cause cancer</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.

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.2000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Processing regulator</td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
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<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.1000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Viscosity modifier</td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0500 - 0.1000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Plasticizer</td>
<td></td>
</tr>
</tbody>
</table>

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.
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-21

%: 0.0500 - 0.1500  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE ROLE: Defoamer

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.

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CALCIUM CARBONATE  
ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-21

%: Impurity/Residual  
GS: BM-3  
RC: None  
NANO: No  
SUBSTANCE 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, if present, may or may not be greater than 100 ppm.

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LIMESTONE; CALCIUM CARBONATE  
ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-21

%: Impurity/Residual  
GS: LT-UNK  
RC: None  
NANO: No  
SUBSTANCE 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, if present, may or may not be greater than 100 ppm.

---

TITANIUM DIOXIDE  
ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-21

%: 0.0000 - 8.0000  
GS: LT-1  
RC: None  
NANO: No  
SUBSTANCE 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 and intended color of grout.
### FERRIC OXIDE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21

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<tr>
<th>%:</th>
<th>0.0000 - 1.0000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

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

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 and intended color of grout.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21

<table>
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<tr>
<th>%:</th>
<th>0.0000 - 2.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**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 and intended color of grout.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21

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<tr>
<th>%:</th>
<th>0.0000 - 2.0000</th>
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<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**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 and intended color of grout.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21

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<tr>
<th>%:</th>
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<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**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 and intended color of grout.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-21

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<th>%:</th>
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<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**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 and intended color of grout.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (G) - generally accepted</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 2 - Considered to be carcinogenic for man</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>MAK</td>
<td>Germ Cell Mutagen 3a</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Australia</td>
<td>H360F - May damage fertility</td>
</tr>
</tbody>
</table>

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

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**ULTRAMARINE (PIGMENT)**

**ID:** 57455-37-5

<table>
<thead>
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<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-10-21</th>
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<tbody>
<tr>
<td>%: 0.0000 - 2.0000</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Pigment</td>
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</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The amount of this component may vary based on plant of manufacture and intended color of grout.
Section 3: Certifications and Compliance

**VOC EMISSIONS**

- **CERTIFYING PARTY:** Third Party
- **APPLICABLE FACILITIES:** Applies to All Facilities.
- **CERTIFICATE URL:** http://certificates.ulenvironment.com/default.aspx?id=4870&t=cs
- **ISSUE DATE:** 2009-07-07
- **EXPIRY DATE:** 2021-07-09
- **CERTIFIER OR LAB:** UL Environment

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2 in an office and classroom environment.

**VOC CONTENT**

- **CERTIFYING PARTY:** Self-declared
- **APPLICABLE FACILITIES:** Applies to All Facilities.
- **CERTIFICATE URL:** https://cdn.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx
- **ISSUE DATE:** 2020-08-12
- **EXPIRY DATE:**
- **CERTIFIER OR LAB:** LATICRETE

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1168 (Tile Adhesive).

**LCA**

- **CERTIFYING PARTY:** Third Party
- **APPLICABLE FACILITIES:** Applies to All Facilities in North America
- **CERTIFICATE URL:** https://cdn.laticrete.com/~media/environmental-product-data-sheets/cement-grout-for-tile-and-stone-installation.ashx
- **ISSUE DATE:** 2016-11-29
- **EXPIRY DATE:** 2021-11-28
- **CERTIFIER OR LAB:** UL Environment

**CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v.14 Credit "Building Product Disclosure and Optimization-Environmental Product Declarations" requirements as a Product Specific (Type III) EPD.

Section 4: Accessories

**WATER**

- **HPD URL:** No HPD Available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
LATICRETE PERMACOLOR Grout to be mixed with water only following mix ratio and directions as stated on product data sheet.

Section 5: General Notes

LATICRETE® PERMACOLOR® Grout meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE PERMACOLOR Grout does not contain the following: Antimicrobials (marketed with a health claim) • Alklyphenols 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

LATICRETE PERMACOLOR Grout
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• 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.
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.