### Section 1: Summary

**Content Inventory**

<table>
<thead>
<tr>
<th>Material</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATIcreTE® PERMACOLoR® SELECT COLOR KIT</td>
<td>TITANIUM DIOXIDE COMPOUNDS (TITANIUM DIOXIDE COMPOUNDS)</td>
</tr>
<tr>
<td>LT-1</td>
<td>CAN SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)</td>
</tr>
<tr>
<td>LT-UNK</td>
<td>FERRIC OXIDE</td>
</tr>
<tr>
<td>BM-1</td>
<td>CAN TITANIUM DIOXIDE (LT-1)</td>
</tr>
<tr>
<td>LT-1</td>
<td>END CHROMIUM (III) OXIDE</td>
</tr>
<tr>
<td>LT-P1</td>
<td>UNDISCLOSED</td>
</tr>
<tr>
<td>LT-P1</td>
<td>UNDISCLOSED</td>
</tr>
<tr>
<td>LT-UNK</td>
<td>CARBON BLACK (BM-1)</td>
</tr>
</tbody>
</table>

**Volatile Organic Compound (VOC) Content**

<table>
<thead>
<tr>
<th>Material (g/l):</th>
<th>0.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory (g/l):</td>
<td>N/A</td>
</tr>
<tr>
<td>Are ultra-low VOC tints available:</td>
<td>No</td>
</tr>
</tbody>
</table>

**Certifications and Compliance**

- VOC emissions: UL GreenGuard Gold (PERMACOLOR Select)
- 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

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**Preparer:** Self-Prepared

**Verifier:** 

**Verification #:**

**Preparer:** 

**Screening date:** 2020-10-05

**Published date:** 2020-10-05

**Expiry date:** 2023-10-05
## 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](http://www.hpd-collaborative.org/hpd-2-2-standard)

### LATICRETE PERMACOLOR SELECT COLOR KIT

**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](http://www.laticrete.com) for occupational exposure information.

#### TITANIUM DIOXIDE COMPOUNDS (TITANIUM DIOXIDE COMPOUNDS)

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**ID:** Not registered

<table>
<thead>
<tr>
<th>%</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>RC</th>
<th>AGENT</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hazard Type:**

- **CANCER**
  - US CDC - Occupational Carcinogens
  - CA EPA - Prop 65
  - IARC
  - MAK

**Agency and UST Titles:**

- Occupational Carcinogen
- Carcinogen - specific to chemical form or exposure route
- Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
- Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**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.

### SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**ID:** 65997-17-3

<table>
<thead>
<tr>
<th>%</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>RC</th>
<th>AGENT</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 90.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hazard Type:**

- None found

**Agency and UST Titles:**

- No warnings found on HPD Priority Hazard Lists

**Substance Notes:** The amount of this component may vary based on plant of manufacture.

### FERRIC OXIDE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**ID:** 1309-37-1

<table>
<thead>
<tr>
<th>%</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>RC</th>
<th>AGENT</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 60.0000</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hazard Type:**

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

**Agency and UST Titles:**

**Substance Notes:** The amount of this component will vary based on color of LATICRETE PERMACOLOR Select Color chosen.

### TITANIUM DIOXIDE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-05  
**ID:** 13463-67-7
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHROMIUM (III) OXIDE</td>
<td>1308-38-9</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.0000 - 40.0000</td>
<td>GS: BM-1</td>
<td>MAK</td>
<td>Skin Sensitize Sh - Danger of skin sensitization</td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.0000 - 40.0000</td>
<td>GS: LT-P1</td>
<td>MAK</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.0000 - 40.0000</td>
<td>GS: LT-UNK</td>
<td>MAK</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>1333-86-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-05</td>
<td>0.0000 - 15.0000</td>
<td>GS: BM-1</td>
<td>MAK</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Substance Notes:** The amount of this component will vary based on color of LATICRETE PERMACOLOR Select Color chosen.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The amount of this component will vary based on color of LATICRETE PERMACOLOR Select Color chosen.
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 (PERMACOLOR Select)**
  - CERTIFYING PARTY: Third Party
  - APPLICABLE FACILITIES: Applies to All Facilities.
  - CERTIFICATE URL: http://certificates.ulenvironment.com/default.aspx?id=65115&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 and Content Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2 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
  - 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

- **LATICRETE Grout for Tile Installation Product Specific (Type III) Environmental Product Declaration**
  - CERTIFYING PARTY: Third Party
  - APPLICABLE FACILITIES: Applies to All Facilities in North America
  - ISSUE DATE: 2016-11-29
  - EXPIRY DATE: 2021-11-28
  - CERTIFIER OR LAB: UL Environment

  **CERTIFICATION AND COMPLIANCE NOTES:** Meets LEED v4.1 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.

### LATICRETE PERMACOLOR SELECT BASE POWDER OR LATICRETE PERMACOLOR SELECT NS BASE POWDER

- **HPD URL:** https://cdn.laticrete.com/~/media/health-product-datasheets/tsis/permacolor-select-base-hpd.ashx

  **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
  LATICRETE PERMACOLOR Select Color Kit to be mixed with LATICRETE PERMACOLOR Select Base Powder or LATICRETE PERMACOLOR Select NS Base Powder using the correct amount of LATICRETE PERMACOLOR Select Color Kit packets for the amount of base powder used following the mix ratio and directions as stated in the product data sheet.

Section 5: General Notes

LATICRETE® PERMACOLOR® Select Color Kit 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 Select Color Kit 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), 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 • 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

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types
AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/irritation/irritability
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PTT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/irritation/irritation/irritation
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen

Recycled Types
PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.