LATICRETE® NXT™ Patch is a premium quality, fast-drying underlayment patch designed for use over most substrates. Cement-based formula is excellent for deep fills from 1/8" – 1-1/2" (3-38 mm) per lift.

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

Explanation(s) provided for Residuals/Impurities?
- ☐ Yes ☐ No

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 NXT PATCH [ QUARTZ LT-1 ] CAN | HIGH-ALUMINA CEMENT LT-UNK | UNDISCLOSED LT-UNK | GYPSUM LT-UNK | PORTLAND CEMENT LT-P1 | CAN | END | UNDISCLOSED LT-UNK | CALCIUM SULFATE - HEMIHYDRATE LT-UNK | UNDISCLOSED LT-UNK | RES | LITHIUM CARBONATE LT-1 | CAN | END | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | CAN | CAN | MUL | UNDISCLOSED LT-1 | CAN | MUL | UNDISCLOSED NoGS | CALCIUM CARBONATE BM-3 | LIMESTONE; CALCIUM CARBONATE LT-1

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.00

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"

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

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.

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

Third Party Verified?
- ☐ Yes
- ☐ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-10-22

PUBLISHED DATE: 2020-10-22

EXPIRY DATE: 2023-10-22
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 NXT PATCH

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.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-10-22

%: 35.0000 - 45.0000
GS: LT-1
RC: None
NANO: No
SUBSTANCE ROLE: Filler

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.

HIGH-ALUMINA CEMENT

ID: 65997-16-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-10-22

%: 20.0000 - 30.0000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES
WARNINGS
None found

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>% (Min - Max)</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>2020-10-22</td>
<td>10.0000 - 16.0000</td>
<td>LT-UNK</td>
<td>PreC</td>
<td>No</td>
<td>Binder</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>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>GYPSUM</td>
<td>13397-24-5</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-22</td>
<td>6.0000 - 10.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>The amount of this component may vary based on plant of manufacture.</td>
<td></td>
</tr>
<tr>
<td>PORTLAND CEMENT</td>
<td>65997-15-1</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-22</td>
<td>5.0000 - 9.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>Cancer</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Endocrine</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
</tr>
<tr>
<td>UNDISCLOSED</td>
<td></td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-22</td>
<td>2.0000 - 4.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer species</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>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>CALCIUM SULFATE - HEMIHYDRATE</td>
<td>10034-76-1</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-22</td>
<td>1.5000 - 2.5000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None found</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
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<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
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</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.

**UNDISCLOSED**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-22

<table>
<thead>
<tr>
<th>%: 1.0000 - 2.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Viscosity modifier</th>
</tr>
</thead>
</table>

RESPRATORY

AOEC - Asthmagens  
Asthagen (Rs) - sensitizer-induced

| 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: 2020-10-22

<table>
<thead>
<tr>
<th>%: 0.3000 - 0.4500</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Processing regulator</th>
</tr>
</thead>
</table>

REPRODUCTIVE

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

REPRODUCTIVE

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

DEVELOPMENTAL

CA EPA - Prop 65  
Developmental toxicity

| 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: 2020-10-22

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

| 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: 2020-10-22

<table>
<thead>
<tr>
<th>%: 0.0500 - 0.1000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Defoamer</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: | The amount of this component may vary based on the plant of manufacture. |

**LATICRETE NXT Patch**  
hpdrepository.hpd-collaborative.org  
HPD v2.2 created via HPDC Builder Page 4 of 8
UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-22

%: 0.0500 - 0.1000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Processing regulator

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: 2020-10-22

%: 0.0500 - 0.1000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Viscosity modifier

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: 2020-10-22

%: 0.0300 - 0.0750  GS: LT-1  RC: None  NANO: No  SUBSTANCE ROLE: Defoamer

HAZARD TYPE  AGENCY AND LIST TITLES  WARNINGS

CANCER  EU - GHS (H-Statements)  H350 - May cause cancer

CANCER  EU - REACH Annex XVII CMRs  Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE  ChemSec - SIN List  CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER  EU - Annex VI CMRs  Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER  GHS - Australia  H350 - May cause cancer

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: 2020-10-22

%: 0.0300 - 0.0750  GS: LT-1  RC: None  NANO: No  SUBSTANCE ROLE: Defoamer

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.
<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**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-22

%: 0.0100 - 0.0200  
GS: NoGS  
RC: None  
NANO: No  
SUBSTANCE ROLE: Filler

None found  
No warnings found on HPD Priority Hazard Lists

**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.

**CALCIUM CARBONATE**  
ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-22

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

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: 2020-10-22

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

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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Self-declared</td>
<td>ISSUE DATE: 2020-10-09</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Applies to All Facilities.</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFIER OR LAB: LATICRETE</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: LATICRETE® NXT® Patch has not been tested for VOC emissions.

<table>
<thead>
<tr>
<th>VOC CONTENT</th>
<th>TDS 251 &quot;Low VOC LATICRETE® Products&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Self-declared</td>
<td>ISSUE DATE: 2020-08-12</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Applies to All Facilities.</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFICATE URL: <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>CERTIFIER OR LAB: LATICRETE</td>
</tr>
</tbody>
</table>

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

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

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

LATICRETE NXT Patch to be mixed with water only following mix ratio and directions as stated in product data sheet.

Section 5: General Notes

LATICRETE® NXT™ Patch meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE NXT Patch 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 Polynyl 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.
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.