LATICRETE® MVIS™ Thin Brick Mortar
by LATICRETE International

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

HPD UNIQUE IDENTIFIER: 22267
CLASSIFICATION: 04 60 00 Corrosion-Resistant Masonry
PRODUCT DESCRIPTION: A multi-use, polymer fortified adhesive mortar built on the Water Dispersion Technology (WDT) platform. LATICRETE MVIS Thin Brick Mortar offers tremendous utility including non-sag wall installations, medium bed build up of up to 3/4" (19 mm) and thin-set applications on floors.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>◆ 100 ppm</td>
<td>◆ Considered</td>
</tr>
<tr>
<td>Basic Method</td>
<td>◆ 1,000 ppm</td>
<td>◆ Partially Considered</td>
</tr>
<tr>
<td></td>
<td>◆ Per GHS SDS</td>
<td>◆ Not Considered</td>
</tr>
<tr>
<td></td>
<td>◆ Other</td>
<td></td>
</tr>
</tbody>
</table>

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
- 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 MVIS THIN BRICK MORTAR | QUARTZ LT-1 | CAN | END | UNDISCLOSED LT-UNK
PORTLAND CEMENT LT-P | CAN | END | UNDISCLOSED LT-UNK
UNDISCLOSED LT-UNK | CAN UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | CALCIUM CARBONATE BM-3 | LIMESTONE | CALCIUM CARBONATE LT-UNK

Number of Greenscreen BM-4/BM3 contents: 1
Contents highest concern GreenScreen Benchmark or List translator Score: LT-1
 Nanomaterial: No

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: N/A
- 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

Third Party Verified?
- ◆ Yes
- ◆ No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2020-10-08
PUBLISHED DATE: 2020-10-08
EXPIRY DATE: 2023-10-08

LATICRETE MVIS Thin Brick Mortar
hpdrepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 1 of 7
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 MVIS THIN BRICK MORTAR

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: 2020-10-08
%
50.0000 - 70.0000
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.

PORTLAND CEMENT

ID: 65997-15-1
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-10-08
%
30.0000 - 35.0000
GS: LT-P1
RC: None
NANO: No
SUBSTANCE ROLE: Binder
HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
CANCER
MAK
Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
ENDOCRINE
TEDX - Potential Endocrine Disruptors
Potential Endocrine Disruptor
SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-08

<table>
<thead>
<tr>
<th>%: 2.0000 - 4.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Polymer species</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. 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: 2020-10-08

<table>
<thead>
<tr>
<th>%: 0.4000 - 0.8000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Viscosity modifier</th>
</tr>
</thead>
</table>

HAZARD TYPE: AGENCY AND LIST TITLES

WARNINGS: None found  
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. 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: 2020-10-08

<table>
<thead>
<tr>
<th>%: 0.2000 - 0.5000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Processing regulator</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. 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: 2020-10-08

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.2000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Processing regulator</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.

CALCIUM CARBONATE  
ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-08
<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></td>
</tr>
</tbody>
</table>

**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 100 ppm.

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**LIMESTONE; CALCIUM CARBONATE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>ID: 1317-65-3</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></td>
</tr>
</tbody>
</table>

**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 100 ppm.
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>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>LATICRETE® MVIS™ Thin Brick Mortar has not been tested for VOC emissions.</td>
</tr>
</tbody>
</table>

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<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">https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Meets LEED v4.1 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>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities in North America</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Meets LEED v4.1 Credit &quot;Building Product Disclosure and Optimization-Environmental Product Declarations&quot; requirements as a Product Specific (Type III) EPD.</td>
</tr>
</tbody>
</table>

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**

| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: | LATICRETE MVIS Thin Brick Mortar to be mixed with water only following mix ratio and directions as stated in product data sheet. |

Section 5: General Notes

LATICRETE® MVIS™ Thin Brick Mortar meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE MVIS Thin Brick Mortar 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, Copper, Lead (added), and Mercury • Wood treatments containing Creosote, Arsenic or Pentachlorophenol. See Section 1 for Volatile Organic Compounds (VOC) (wet applied
### Key

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>LAN Land toxicity</td>
<td>PreC Pre-consumer recycled content</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>PostC Post-consumer recycled content</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MULT Multiple</td>
<td>UNK Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>None Does not include recycled content</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>NF Not found on Priority Hazard Lists</td>
<td></td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>OZO Ozone depletion</td>
<td></td>
</tr>
<tr>
<td>GLO Global warming</td>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td></td>
</tr>
</tbody>
</table>

### 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.