L&M® DURAPATCH VOH™
by LATICRETE International

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

HPD UNIQUE IDENTIFIER: 22395
CLASSIFICATION: 03 01 00 Maintenance of Concrete

PRODUCT DESCRIPTION: L&M™ DURAPATCH VOH™ is an easy-to-use, thixotropic, chemical resistant, cement based mortar designed especially for use on vertical and overhead patches and repairs. Resists damage from mechanical impact, abrasion, environmental and freeze/thaw deterioration, and chemical destruction from mild acids, caustic solutions and other chemical contaminants.

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

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
--- | --- | --- | --- | ---
L&M® DURAPATCH VOH™ | QUARTZ LT-1 | CAN | PORTLAND CEMENT LT-P1 | CAN | END HIGH-ALUMINA CEMENT LT-UNK
CALCIUM SULFATE - HEMIHYDRATE LT-UNK UNDISCLOSED LT-P1 | CAN UNDISCLOSED LT-UNK SODIUM POLYPHTHALALENESULFONATE LT-P1 | PBT UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED BM-1 | END | MUL | CAN UNDISCLOSED 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

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-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.

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

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:
SCREENING DATE: 2020-10-12
PUBLISHED DATE: 2020-10-12
EXPIRY DATE: 2023-10-12
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.hpdcollaborative.org/hpd-2-2-standard](http://www.hpdcollaborative.org/hpd-2-2-standard)

### L&M® DURAPATCH VOH™

**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.

<table>
<thead>
<tr>
<th>QUARTZ</th>
<th>ID: 14808-60-7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-10-12</td>
</tr>
<tr>
<td><strong>%:</strong> 45.0000 - 55.0000</td>
<td><strong>GS:</strong> LT-1</td>
</tr>
<tr>
<td><strong>HAZARD ROLE:</strong> Filler</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
</tr>
</tbody>
</table>

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

### PORTLAND CEMENT

**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.

<table>
<thead>
<tr>
<th>PORTLAND CEMENT</th>
<th>ID: 65997-15-1</th>
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</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-10-12</td>
</tr>
<tr>
<td><strong>%:</strong> 25.0000 - 43.0000</td>
<td><strong>GS:</strong> LT-P1</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong> Binder</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>Substance</td>
<td>ID</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>High-Alumina Cement</td>
<td>65997-16-2</td>
</tr>
<tr>
<td>Calcium Sulfate - Hemihydrate</td>
<td>10034-76-1</td>
</tr>
<tr>
<td>Undisclosed</td>
<td></td>
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<tr>
<td>Undisclosed</td>
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</tr>
</tbody>
</table>
### SODIUM POLYNYLHEXANE SULFONATE

**ID:** 9084-06-4

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-12

- **%:** 0.0500 - 0.1000
- **GS:** LT-P1
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Plasticizer

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

- **PBT**  
  **EC - CEPA DSL**  
  Persistent, Bioaccumulative and inherently Toxic (PBITH) to humans

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

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### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-12

- **%:** 0.0100 - 0.0500
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Viscosity modifier

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

- **None found**

**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.

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### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-12

- **%:** 0.0100 - 0.0500
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Defoamer

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

- **None found**

**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.

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### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-12

- **%:** 0.0010 - 0.0100
- **GS:** BM-1
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Defoamer

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

- **None found**

**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.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDOCRINE</td>
<td>ChemSec - SIN List</td>
<td>Endocrine Disruption</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-10-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0000 - 0.0200</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Plasticizer</td>
</tr>
</tbody>
</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.
**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**

- **CERTIFYING PARTY:** Self-declared
- **APPLICABLE FACILITIES:** Applies to All Facilities
- **CERTIFICATE URL:** N/A
- **ISSUE DATE:** 2020-10-12
- **EXPIRY DATE:** 2020-12-12
- **CERTIFIER OR LAB:** LATICRETE

**CERTIFICATION AND COMPLIANCE NOTES:** L&M™ DURAPATCH VOH™ has not been tested for VOC emissions.

**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:** 2020-12-12
- **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).

**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:** L&M® DURAPATCH VOH™ to be mixed with water only following mix ratio and directions as stated on product data sheet.

**Section 5: General Notes**

L&M™ DURAPATCH VOH™ meets Living Building Challenge v4.0 requirements as stated in the LBC Small Component Clause, but it does contain a component which is found on the Red Listed Materials or Chemicals. Specifically, L&M DURAPATCH VOH contains a small amount (0.092%) of Sodium Polynapthalenesulfonate as stated in Section 2 of this HPD. The amount of the stated material is below the maximum threshold as stated in the LBC Small Component Clause.
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.