**CLASSIFICATION:** 07 19 23

**PRODUCT DESCRIPTION:** L&M™ PETROTEX™ is a ready to use, quick drying, multifunctional, water-based concrete protectant containing a new generation, invisible and low VOC emulsion of silane, siloxane and synthetic polymers. L&M PETROTEX effectively protects concrete pavements, natural or synthetic stone surfaces, and chemically hardened concrete to resist the penetration of water and oil. L&M PETROTEX penetrates into the surface forming a long lasting oil and water repellent treatment that retards the penetration of these contaminants.

**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**

- L&M™ PETROTEX™ [WATER BM-4]
- SILANE, TRIETHOXY(2,4,4-TRIMETHYL-PENTYL)- NoGS UNDISCLOSED BM-1 | DEL | END
- UNDISCLOSED BM-2 | AQU | MAM | SKI | EYE | END | MUL | UNDISCLOSED BM-1 ETHANOL BM-2 | CAN | DEL | PHY | END | REP ]

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 7  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 ... 1
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**

- VOC emissions: N/A
- VOC content: TDS 251 "Low VOC LATICRETE Products"
- Pre-checked for LEED v4 Material Ingredients, Option 1
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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

L&M™ PETROTEX™

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.

WATER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-03-17

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.00 - 98.00</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Diluent</td>
</tr>
</tbody>
</table>

None found

WARNINGS: No warnings found on HPD Priority Hazard Lists

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

SILANE, TRIETHOXY(2,4,4-TRIMETHYLPENTYL)-

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-03-17

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 - 3.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Water Repellent</td>
</tr>
</tbody>
</table>

None found

WARNINGS: No warnings found on HPD Priority Hazard Lists

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: 2020-03-17

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10 - 0.50</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Water Repellent</td>
</tr>
</tbody>
</table>

None found

WARNINGS: No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture.
# HAZARD TYPE
## DEVELOPMENTAL
CA EPA - Prop 65
### WARNINGS
Developmental toxicity

## DEVELOPMENTAL
US NIH - Reproductive & Developmental Monographs
### WARNINGS
Clear Evidence of Adverse Effects - Developmental Toxicity

## ENDOCRINE
TEDX - Potential Endocrine Disruptors
### WARNINGS
Potential Endocrine Disruptor

### 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: 2020-03-17
### %:
0.04 - 0.06
### GS:
BM-2
### RC:
None
### NANO:
No
### ROLE:
Preservative

## HAZARD TYPE
### ACUTE AQUATIC
EU - GHS (H-Statements)
### WARNINGS
H400 - Very toxic to aquatic life

### CHRON AQUATIC
EU - GHS (H-Statements)
### WARNINGS
H410 - Very toxic to aquatic life with long lasting effects

### MAMMALIAN
EU - GHS (H-Statements)
### WARNINGS
H301 - Toxic if swallowed

### SKIN IRRITATION
EU - GHS (H-Statements)
### WARNINGS
H314 - Causes severe skin burns and eye damage

### SKIN SENSITIZE
EU - GHS (H-Statements)
### WARNINGS
H317 - May cause an allergic skin reaction

### EYE IRRITATION
EU - GHS (H-Statements)
### WARNINGS
H318 - Causes serious eye damage

### MAMMALIAN
EU - GHS (H-Statements)
### WARNINGS
H330 - Fatal if inhaled

### ENDOCRINE
TEDX - Potential Endocrine Disruptors
### WARNINGS
Potential Endocrine Disruptor

### MULTIPLE
German FEA - Substances Hazardous to Waters
### WARNINGS
Class 3 - Severe Hazard to Waters

### SKIN SENSITIZE
MAK
### WARNINGS
Sensitizing Substance Sh - Danger of skin sensitization

### 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: 2020-03-17
### %:
0.01 - 0.05
### GS:
BM-1
### RC:
None
### NANO:
No
### ROLE:
Polymer

### HAZARD TYPE
None found
### WARNINGS
No warnings found on HPD Priority Hazard Lists
<table>
<thead>
<tr>
<th>%: 0.00 - 5.00</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Solvent</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>CANCER</th>
<th>IARC</th>
<th>Group 1 - Agent is Carcinogenic to humans</th>
</tr>
</thead>
<tbody>
<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>MAK</td>
<td>Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>CA EPA - Prop 65</td>
<td>Developmental - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
<td>H225 - Highly flammable liquid and vapour</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Japan</td>
<td>Toxic to reproduction - Category 1A [H360]</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.
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 | ISSUE DATE: | 2018-12-20 |
| CERTIFICATION AND COMPLIANCE NOTES: | L&M™ PETROTEX™ has not been tested for VOC emissions. |

### VOC CONTENT

| CERTIFYING PARTY: | Self-declared | ISSUE DATE: | 2018-12-18 |
| CERTIFICATION AND COMPLIANCE NOTES: | Meets LEED v4 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (Default). |

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.

No accessories are required for this product.

Section 5: General Notes

L&M™ PETROTEX™ meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, L&M PETROTEX 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), Chlorsulfonated polyethylene (CSPE), Polyvinylidene chloride (PVDC), and Polyvinyl Chloride (PVC)
- Chlorobenzenes
- Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs)
- Formaldehyde (added)
- Monomeric, polymeric and organophosphate 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

<table>
<thead>
<tr>
<th>MANUFACTURER:</th>
<th>LATICRETE International</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS:</td>
<td>1 Laticrete Park North</td>
</tr>
<tr>
<td></td>
<td>Bethany CT 06524, USA</td>
</tr>
<tr>
<td>WEBSITE:</td>
<td><a href="https://laticrete.com">https://laticrete.com</a></td>
</tr>
</tbody>
</table>

| CONTACT NAME:       | Mitch Hawkins            |
| TITLE:              | Senior Manager, Technical Services |
| PHONE:              | 203-393-4619             |
| EMAIL:              | wmhawkins@laticrete.com  |

KEY

- **OSHA MSDS**: Occupational Safety and Health Administration Material Safety Data Sheet
- **GHS SDS**: Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

### GreenScreen (GS)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-4</td>
<td>Benchmark 4 (prefer-safer chemical)</td>
</tr>
<tr>
<td>BM-3</td>
<td>Benchmark 3 (use but still opportunity for improvement)</td>
</tr>
<tr>
<td>BM-2</td>
<td>Benchmark 2 (use but search for safer substitutes)</td>
</tr>
<tr>
<td>BM-1</td>
<td>Benchmark 1 (avoid - chemical of high concern)</td>
</tr>
<tr>
<td>BM-U</td>
<td>Benchmark Unspecified (insufficient data to benchmark)</td>
</tr>
<tr>
<td>LT-P1</td>
<td>List Translator Possible Benchmark 1</td>
</tr>
<tr>
<td>LT-1</td>
<td>List Translator Likely Benchmark 1</td>
</tr>
<tr>
<td>LT-UNK</td>
<td>List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)</td>
</tr>
<tr>
<td>NoGS</td>
<td>Unknown (no data on List Translator Lists)</td>
</tr>
</tbody>
</table>

### Recycled Types

- PreC: Preconsumer (Post-Industrial)
- PostC: Postconsumer
- Both: Both Preconsumer and Postconsumer
- Unk: Inclusion of recycled content is unknown
- None: Does not include recycled content

### Other Terms

- **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

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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.