

CLASSIFICATION: 03 53 13

PRODUCT DESCRIPTION: EMERYTOP 400 is an abrasion resistant, heavy duty floor topping. This flowable, natural emery aggregate floor topping produces a long-lasting and resilient floor.

**Section 1: Summary**

**Basic Method / Product Threshold**

**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
- Per OSHA MSDS
- Other

**Residuals/Impurities**

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes  No

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No  
*Percent Weight and Role Provided?*

**Screened**  Yes  No  
*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No  
*Name and Identifier Provided?*

**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™ EMERYTOP 400™ | EMERY LT-UNK QUARTZ LT-1 | CAN  
PORTLAND CEMENT LT-P1 | CAN | END FLY ASH LT-UNK SILICA FUME  
LT-P1 | CAN UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED LT-UNK  
UNDISCLOSED BM-1 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-P1  
| END | MUL | CAN 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 ... 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.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

**CERTIFICATIONS AND COMPLIANCE** *See Section 3 for additional listings.*

VOC emissions: N/A  
VOC content: LATICRETE 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: 2018-08-28  
PUBLISHED DATE: 2018-08-28  
EXPIRY DATE: 2021-08-28



## 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, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### L&M™ EMERYTOP 400™

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.

#### EMERY

ID: 12415-34-8

#: 35.0000 - 45.0000 GS: LT-UNK RC: None NANO: No ROLE: Surface Hardener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

#### QUARTZ

ID: 14808-60-7

#: 25.0000 - 30.0000 GS: LT-1 RC: None NANO: No ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH 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

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

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

**PORTLAND CEMENT**

ID: 65997-15-1

#: **20.0000 - 25.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH 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 the plant of manufacture.

**FLY ASH**

ID: 68131-74-8

#: **4.0000 - 6.0000**      GS: **LT-UNK**      RC: **PreC**      NANO: **No**      ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**      No warnings found on HPD Priority lists

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

**SILICA FUME**

ID: 69012-64-2

#: **1.0000 - 2.5000**      GS: **LT-P1**      RC: **PreC**      NANO: **No**      ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**      **Australia - GHS**      H350i - May cause cancer by inhalation

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

**UNDISCLOSED**

#: **0.2000 - 0.3000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Water Reducer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**      **CA EPA - Prop 65**      Carcinogen

**CANCER**      **EU - REACH Annex XVII CMRs**      Carcinogen Category 1 - Substances known to be Carcinogenic to man

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

**CANCER**      **MAK**      Carcinogen Group 1 - Substances that cause cancer in man

**CANCER**      **Australia - GHS**      H350 - May cause cancer

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

#: **0.0100 - 0.0500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reinforcing Fibers**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

### UNDISCLOSED

#: **0.0100 - 0.0500** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

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

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

### UNDISCLOSED

#: **0.0004 - 0.0005** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

ChemSec - SIN List

Endocrine Disruption

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

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

#: **Impurity/Residual**      GS: **BM-3**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **Impurity/Residual**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.*

### VOC EMISSIONS

N/A

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **LATICRETE**

APPLICABLE FACILITIES: **Applies to All Facilities.**

**08-28**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### VOC CONTENT

**LATICRETE TDS 251 "Low VOC LATICRETE Products"**

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **LATICRETE**

APPLICABLE FACILITIES: **Applies to All Facilities.**

**08-28**

CERTIFICATE URL:

<https://cdn.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx>

CERTIFICATION AND COMPLIANCE NOTES: **Meets LEED v4 Credit "Low Emitting Products" VOC content requirements.**

## 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™ EMERYTOP 400™ to be mixed with water only following mix ratio and directions as stated on product data sheet.**

## Section 5: General Notes

L&M™ EMERYTOP 400™ meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, L&M EMERYTOP 400 does not contain the following:

- Alkylphenols\*
- Asbestos
- Bisphenol A (BPA)\*
- Cadmium
- Chlorinated Polyethylene & Chlorosulfonated Polyethylene
- Chlorobenzenes\*
- Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs)\*
- Chloroprene (Neoprene)
- Chromium VI\*
- Chlorinated Polyvinyl Chloride (CPVC)\*
- Formaldehyde (all types - added)
- Halogenated Flame Retardants (HFRs)
- Lead (added)
- Mercury
- Polychlorinated Biphenyls (PCBs)\*
- Perfluorinated Compounds (PFCs)\*
- Phthalates
- Polyvinyl Chloride (PVC)
- Polyvinylidene Chloride (PVDC)\*
- Short Chain Chlorinated Paraffins\*
- Wood treatments containing Creosote, Arsenic or Pentachlorophenol.

L&M EMERYTOP 400 also does not contain the following California-defined Group II toxic exempt solvents:

- Methylene Chloride (Dichloromethane)
- 1,1,1-trichloroethane (methyl chloroform)
- Trichlorofluoromethane (CFC-11)
- Dichlorofluoromethane (CFC-12)
- 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113)
- 1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114)
- Chloropentafluoroethane (CFC-115)
- Cyclic, Branched or Linear, Completely

Methylated Siloxanes •(VMS) •Tetrachloroethylene (perchloroethylene) •Ethylfluoride (HFC-161) •1,1,1,3,3,3-hexafluoropropane (HFC-236fa) •1,1,2,3,3-pentafluoropropane (HFC-245ca) •1,1,2,3,3-pentafluoropropane (HFC-245ea) •1,1,1,2,3-pentafluoropropane (HFC-245eb) •1,1,1,3,3-pentafluoropropane (HFC-245fa) •1,1,1,2,3,3-hexafluoropropane (HFC-236ea) •1,1,1,3,3-pentafluorobutane (HFC-365mfc) •chlorofluoromethane (HCFC-31) •1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a) •1 chloro-1-fluoroethane (HCFC-151a)



## MANUFACTURER INFORMATION

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MANUFACTURER: **LATICRETE International**

ADDRESS: **1 Laticrete Park North**

**Bethany CT 06524, US**

WEBSITE: **https://laticrete.com**

CONTACT NAME: **Mitch Hawkins**

TITLE: **Senior Manager, Technical Service**

PHONE: **203.393.4619**

EMAIL: **wmhawkins@laticrete.com**

## KEY

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**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

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### 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 (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### 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

*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.*