LATICRETE® MULTIMAX LITE (White) by LATICRETE International

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 28841 CLASSIFICATION: 09 30 00 Tiling

PRODUCT DESCRIPTION: LATICRETE® MULTIMAX™ LITE (White) is a lightweight one-step, polymer fortified, Large and Heavy Tile mortar for interior and exterior installation of ceramic tile, porcelain tile, stone, quarry tile, pavers and brick. Provides maximum non-sag performance on walls and maximum buildup of up to 3/41 (19mm) without shrinkage on floors. LATICRETE MULTIMAX LITE (White) is free of silica sand and has a smooth, lightweight, easy-to-trowel consistency and a long open time for ease of installation.



Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold Level

- C 1,000 ppm
- O Per GHS SDS
- Other

Residuals/Impurities

- Considered
- C Partially Considered
- O Not Considered

Explanation(s) provided for Residuals/Impurities?

Yes ○ No

All Substances Above the Threshold Indicated Are:

 ○ Yes Ex/SC Yes No Characterized

% weight and role provided for all substances.

Screened ○ Yes Ex/SC ⊙ Yes ○ No

All substances screened using Priority Hazard Lists with results disclosed.

Identified ○ Yes Ex/SC ○ Yes ⊙ No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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® MULTIMAX LITE (WHITE) [LIME BM-2 QUARTZ BM-1 | CAN PERLITE LT-UNK UNDISCLOSED LT-UNK ALUMINUM OXIDE BM-2 | RES UNDISCLOSED BM-2 FERRIC OXIDE BM-1 | CAN SULFUR TRIOXIDE BM-2 | MAM UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK | EYE CALCIUM DIFORMATE BM-3 UNDISCLOSED LT-UNK | CAN UNDISCLOSED LT-UNK | CAN SILVER BM-1 | END | MUL CALCIUM CARBONATE BM-3 LIMESTONE; CALCIUM CARBONATE BM-3dg]

Number of Greenscreen BM-4/BM3 contents ... 2

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

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

VOC emissions: UL/GreenGuard Gold Certified

VOC content: TDS 251 "LATICRETE Low VOC 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?

O Yes ⊙ No

PREPARER: Self-Prepared

VERIFIER: **VERIFICATION #:** SCREENING DATE: 2022-06-22 PUBLISHED DATE: 2022-06-22 EXPIRY DATE: 2025-06-22



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® MULTIMAX LITE (WHITE)

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 https://laticrete.com for occupational exposure information.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:32
%: 30.0000 - 45.0000 GS: BM-2 RC: None NANO: No SUBSTANCE ROLE: Binder

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.

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

QUARTZ ID: 14808-60-7 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:33 SUBSTANCE ROLE: Binder %: 8.0000 - 16.0000 GS: BM-1 RC: None NANO: No **HAZARD TYPE** AGENCY AND LIST TITLES WARNINGS CAN **US CDC - Occupational Carcinogens** Occupational Carcinogen CAN CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route CAN US NIH - Report on Carcinogens Known to be Human Carcinogen (respirable size occupational setting) Carcinogen Group 1 - Substances that cause cancer in CAN MAK CAN **IARC** Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources CAN **IARC** Group 1 - Agent is Carcinogenic to humans CAN GHS - Japan H350 - May cause cancer [Carcinogenicity - Category 1A] CAN GHS - Australia H350i - May cause cancer by inhalation [Carcinogenicity -Category 1A or 1B] CAN GHS - New Zealand Carcinogenicity category 1

PERLITE ID: 93763-70-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:33

%: **7.0000 - 13.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

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 the plant of manufacture.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:34

%: 7.0000 - 13.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

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 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.

ALUMINUM OXIDE ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:34

%: 1.0000 - 5.0000 GS: BM-2 RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

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

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:35

%: 0.5000 - 1.5000 GS: BM-2 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 the plant of manufacture.

FERRIC OXIDE ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:35

%: **0.5000 - 6.5000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	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.

SULFUR TRIOXIDE				ID: 744 6	3-11-9
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCR	EENING DATE:	2022-06-22 18:34:36	
%: 0.5000 - 6.5000	GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Binder	
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS		
MAM	US EPA - EPCRA Extremely Hazardou Substances	us Extr	emely Hazardou	us Substances	

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

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE	2022-06-22 18:34:36
%: 0.4000 - 0.8000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
None found			No warn	nings 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.

UNDISCLOSED				ID: Undisc
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2022-06-22 18:34:37
%: 0.1000 - 0.2500	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Plasticize
HAZARD TYPE	AGENCY AND LIST TITLES	WA	ARNINGS	
EYE	EU - GHS (H-Statements) Annex 6 Tat		18 - Causes serio mage/eye irritatio	ous eye damage [Serious eye on - Category 1]

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 DIFORMATE				ID: 544-17-2
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-06-22 18:34:37		
%: 0.1000 - 2.0000	GS: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	AGENCY AND LIST TITLES	W	/ARNINGS	
None found			No w	varnings found on HPD Priority Hazard Lists

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

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE	2022-06-22 18:34:38
%: 0.1000 - 0.2000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	AGENCY AND LIST TITLES	W	ARNINGS	

Carcinogen Group 3B - Evidence of carcinogenic effects

ID. Hardte de card

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.

MAK

Waters

UNDISCLOSED				ID: Undisclosed
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-06-22 18:34:38
%: 0.0050 - 0.0100	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WA	RNINGS	
CAN	MAK		cinogen Group 3 not sufficient for	B - Evidence of carcinogenic effects

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.

SILVER		ID: 7440-22-4
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-06-22 18:34:39
%: 0.0010 - 0.0100	GS: BM-1	RC: None NANO: No SUBSTANCE ROLE: Antimicrobial Pesticide
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous	to Class 3 - Severe Hazard to Waters

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.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-22 18:34:39

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

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

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: 2022-06-22 18:34:40

CAN

LINDIGOL COED

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

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

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 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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: Third Party ISSUE DATE: 2018-12-EXPIRY DATE: 2021-APPLICABLE FACILITIES: Applies to All Facilities. 07-09

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4.1 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2 in an office and classroom environment.

VOC CONTENT

TDS 251 "LATICRETE Low VOC Products"

CERTIFYING PARTY: Self-declared ISSUE DATE: 2020-08- EXPIRY DATE: CERTIFIER OR LAB: LATICRETE

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APPLICABLE FACILITIES: Applies to All Facilties.

CERTIFICATE URL:

https://cdn.laticrete.com/~/media/support-and-

downloads/technical-datasheets/tds251.ashx

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

LCA

LATICRETE Cement Mortar for Tile Installation Product Specific (Type III)

CERTIFIER OR LAB: UL

Environment

Environment

Environmental Product Declaration

CERTIFYING PARTY: Third Party

ISSUE DATE: 2016-11- EXPIRY DATE: 2021-CERTIFIER OR LAB: UL 11-16

APPLICABLE FACILITIES: Applies to All Facilities.

CERTIFICATE URL:

https://cdn.laticrete.com/~/media/environmental-productdata-sheets/cement-mortar-for-tile-installation.ashx

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4.1 Credit "Building Product Disclosure and Optimization-Environmental Product Declarations" requirements as a Product Specific (Type III) EPD.

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 MULTIMAX LITE (White) to be mixed with water only following mix ratio and directions as stated in product data sheet.

Section 5: General Notes

LATICRETE® MULTIMAXTM LITE (White) meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE MULTIMAX LITE (White) 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), Polyvinylidiene 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, 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

MANUFACTURER: LATICRETE International

ADDRESS: 1 Laticrete Park North

Bethany CT 06524, USA

WEBSITE: https://laticrete.com

CONTACT NAME: Mitch Hawkins **TITLE: Director, Technical Services**

PHONE: 203.393.4619

EMAIL: wmhawkins@laticrete.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KFY

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

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.