# **LATICRETE® MULTIMAX LITE (Grey)** by LATICRETE International

**Health Product** Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1785456640 CLASSIFICATION: 09 30 00 Tiling

PRODUCT TYPE: Cementitious Setting Material (Tile)

PRODUCT DESCRIPTION: LATICRETE® MULTIMAX LITE (Grey) 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 3/4' (19mm) without shrinkage on floors. LATICRETE MULTIMAX LITE (Grey) is free of silica sand and has a smooth, lightweight, easy-totrowel consistency and a long open time for ease of installation.



## Section 1: Summary

### **Basic Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

C Nested Materials Method

Basic Method

**Threshold Disclosed Per** 

Material

Product

**Threshold Level** 

C 1,000 ppm

C Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed

C Partially Completed

Not Completed

Explanation(s) provided:

Yes ○ No

For all contents above the threshold, the manufacturer has:

Characterized

Yes ○ No

⊙ Yes ○ No

Provided weight and role.

Screened

Provided screening results using HPDC-approved

methods.

Identified ○ Yes ⊙ No

Provided name and CAS RN or other identifier.

#### **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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

**GREENSCREEN SCORE | HAZARD TYPE** 

LATICRETE® MULTIMAX LITE (GREY) [ PORTLAND CEMENT LT-P1 CAN | END | MAM PERLITE LT-UNK | EYE UNDISCLOSED LT-UNK CALCIUM DIFORMATE BM-3 | EYE UNDISCLOSED BM-2 CALCIUM CARBONATE BM-3 | EYE LIMESTONE; CALCIUM CARBONATE BM-3dg UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK | CAN UNDISCLOSED LT-UNK | EYE UNDISCLOSED LT-UNK | CAN SILVER BM-1 | REP | MAM | AQU ]

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...

LT-P1, 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 colorants available that do not increase the VOC content of the base

paint when tinted: N/A

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

VOC emissions: UL/GreenGuard Gold Certified

VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

#### **CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

O Yes No

PREPARER: Self-Prepared

VERIFIER: **VERIFICATION #:**  SCREENING DATE: 2024-04-02 PUBLISHED DATE: 2024-04-03 EXPIRY DATE: 2027-04-02

# 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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

### LATICRETE® MULTIMAX LITE (GREY)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: 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.

PORTLAND CEMENT					ID: <b>65997-15-1</b>
HAZARD DATA SOURCE: P	haros Chemical and Materials Lib	orary	HAZARD S	CREENING DATE:	2024-04-02 10:17:21
%: <b>72.0000 - 78.0000</b>	GreenScreen: LT-P1	RC: None	NANO: <b>No</b>	SUBSTANCE F	ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
END	TEDX - Potential Endocrine	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
MAM	GHS - Japan	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
MAM	GHS - Japan	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxic following repeated exposure - Category 1]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Ad	dditional Hazard Lists

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

PERLITE			ID: <b>93763-70-3</b>	
HAZARD DATA SOURCE:	Pharos Chemical and Materials Libr	ary	HAZARD S	CREENING DATE: 2024-04-02 10:08:33
%: 7.0000 - 13.0000	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation categ	gory 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

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

UNDISCLOSED	ID: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	,	HAZARD SCREENING DATE: 2024-04-02 10:08:33		
%: 7.0000 - 13.0000	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No w	varnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	1	
None found				No listings found on Additional 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.

CALCIUM DIFORMATE ID: 544-17-2

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ary	HAZAF	RD SCREENING DATE: 2024-04-02 10:08:33		
%: 0.1000 - 2.0000	GreenScreen: BM-3	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Processing regulator		
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
EYE	GHS - New Zealand	GHS - New Zealand		Eye irritation category 2		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION			
POSITIVE LIST	US Environmental Protection EPA)	Agency (US	US EPA - DfE Safer Chemicals Ingredients list (SCIL)			
	,		Enzymes and Concern)	Stabilizers - Green Circle (Verified Low		

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-04-02 10:08:34		
%: 0.5000 - 1.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No	warnings found on HPD Priority Hazard Lists	

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

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

CALCIUM CARBONATE ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARI	D SCREENING DATE: 2024-04-02 10:08:34
%: 0.0000 - 1.0000	GreenScreen: BM-3	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
None found				No listings found on Additional 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 DATA SOURCE: Pharos Chemical and Materials Library			HAZARI	D SCREENING DATE: 2024-04-02 10:08:34
%: 0.0000 - 1.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			Nov	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
None found				No listings found on Additional 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.

UNDISCLOSED ID: Undisclosed

ADDITIONAL LISTINGS LIST NAME AND SOURCE	NOTIFICATION
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None found No listings found on Additional 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: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZARI	D SCREENING DATE: 2024-04-02 10:08:34	
%: 0.1000 - 0.3000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N	
None found				No listings found on Additional 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: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-04-02 10:08:35			
%: 0.1000 - 0.2500	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Plasticizer	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
EYE	EU - GHS (H-Statements) A	- GHS (H-Statements) Annex 6 Table 3-1		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]	
EYE	GHS - Japan		H319 - Causes se eye irritation - Ca	erious eye irritation [Serious eye damage / tegory 2A]	
EYE	GHS - Australia			erious eye damage [Serious eye tion - Category 1]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institu	ute (GSPI)	GSPI - Six Classe	es Precautionary List	
			Some Solvents		

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: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libi	naros Chemical and Materials Library		HAZARD SCREENING DATE: 2024-04-02 10:08:35	
%: 0.0050 - 0.0100	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products In (C2CPII)	Cradle to Cradle Products Innovation Institute (C2CPII)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
			Core Restrictions		

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: <b>/440-22-4</b>

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-04-02 10:08:35	
%: 0.0010 - 0.0100	GreenScreen: BM-1	RC: None	NANO: No SUBSTANCE ROLE: Antimicrobial Pesticide	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]	
MAM	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - acute category 1	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 1	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST Perkins+Will (P+W)		P&W - Precautionary List		
			Precautionary list of substances recommended for avoidance	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List	
			Antimicrobials	

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 UL/GreenGuard Gold Certified

CERTIFYING PARTY: Third Party ISSUE DATE: 2018-12-21 00:00:00 CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: Applies to All Facilities. EXPIRY DATE: 2024-07-09 00:00:00 Environment

CERTIFICATE URL:

https://cdnmdm.laticrete.com/ProductAssets/Product%20Documents/multimax-

lite-grey-v21-la-en.pdf

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 EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: Self-declared ISSUE DATE: 2024-01-09 00:00:00 CERTIFIER OR LAB: LATICRETE APPLICABLE FACILITIES: Applies to All Facilities. EXPIRY DATE:

APPLICABLE FACILITIES: Applies to All Facilities. CERTIFICATE URL: https://cdn-global.laticrete.com/-/media/project/laticrete-international/shared/files/support-and-downloads/technical-datasheets/tds251.pdf

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

CERTIFYING PARTY: Third Party ISSUE DATE: 2023-01-01 00:00:00 CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: Applies to All Facilities. EXPIRY DATE: 2027-12-31 00:00:00 Environment

CERTIFICATE URL:

**LCA** 

https://cdnmdm.laticrete.com/ProductAssets/Product%20Documents/cement-

mortar-for-tile-and-stone-installation---industry-wide-la-en.pdf

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**

MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD Available ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: LATICRETE MULTIMAX LITE (Grey) to be mixed with water only following mix ratio and directions as stated in product data sheet.

## Section 5: General Notes

LATICRETE® MULTIMAX™ LITE (Grey) meets the Living Building Challenge v4.0 (2022) requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE MULTIMAX LITE (Grey) 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), Chloropene (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

Environmental Product Declaration (EPD) by UL - Industry Generic

•Perfluorinated Compounds (PFCs) •Phthalates (orthophthalates) •Polychlorinated Biphenyls (PCBs Chain and Medium-Chain Chlorinated Paraffins •Toxic Heavy Metals - Arsenic, Cadmium, Chromium containing Creosote, Arsenic or Pentachlorophenol. See Section 1 for Volatile Organic Compounds	m, Lead (added), and Mercury •Wood treatments
LATIODETE MULTIMAY LITE (Cons)	LIDD v0.0 are staded: LIDDO D. III. D
LATICRETE MULTIMAX LITE (Grey)	HPD v2.3 created via HPDC Builder Page 9 of 11

#### **MANUFACTURER INFORMATION**

MANUFACTURER: LATICRETE International

ADDRESS: 1 Laticrete Park North

Bethany, CT 06524 COUNTRY: USA

LATITUDE: **41.3973000**LONGITUDE: **-73.0027000** 

WEBSITE: https://laticrete.com
CONTACT NAME: Mitch Hawkins

TITLE: Director, Customer Experience - Sustainability & Analytics

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.

#### KEY

### **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

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

### **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.

