## L&M<sup>™</sup> AQUAPEL PLUS<sup>™</sup> by LATICRETE International

# Health Product Declaration v2.3

created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 29717

CLASSIFICATION: 07 19 23 Siloxane Water Repellents

**PRODUCT DESCRIPTION:** A 100% reactive, waterborne silane-siloxane sealer. L&M<sup>™</sup> AQUAPEL PLUS<sup>™</sup> is a clear, penetrating breathable water repellent and is ideal for use on vertical and horizontal concrete surfaces.

# Section 1: Summary

## CONTENT INVENTORY

Inventory Reporting	
Format	

C Nested Materials MethodO Basic Method

#### Threshold Disclosed Per

O Material

O Product

Residuals/Impurities Evaluation © Completed © Partially Completed © Not Completed

Explanation(s) provided :

# **Basic Method / Product Threshold**

For all contents above the thresho	ld, the manufacturer has:
Characterized	• Yes O No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using Provided screening results using Provided screening results using Provided Screening Provided	HPDC-approved
Identified	O Yes O No
Provided name and CAS RN or oti	her identifier.

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

## substances or any health risk. Refer to Section 2 for further details. PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

using or handling this product will expose individuals to its chemical

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

Threshold Level

• 100 ppm

C Other

C 1,000 ppm

O Per GHS SDS

L&M<sup>™</sup> AQUAPEL PLUS<sup>™</sup> [ WATER BM-4 TRIETHOXYOCTYLSILANE LT-UNK ] SKI UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | SKI | EYE | AQU | PHY UNDISCLOSED BM-2 | END | SKI | MUL | AQU | MAM | EYE ]

## VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CONTENT IN DESCENDING ORDER OF QUANTITY

Material (g/l): 10Regulatory (g/l): N/ADoes the product contain exempt VOCs: NoAre colorants available that do not increase the VOC content of thebase paint when tinted: N/A

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: CDPH Standard Method - Not tested VOC content: TDS 251 "Low VOC LATICRETE Products"

## CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4 Option 2. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

C Yes

No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2022-08-24 PUBLISHED DATE: 2022-08-24 EXPIRY DATE: 2025-08-24 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

ODUCT THRESHOLD: 100	ppm RESIDUALS AND II	MPURITIES E	VALUATION COM	PLETED: Yes
SIDUALS AND IMPURITIEs tentially greater than 100 p	S NOTES: Residuals and impurities are m pm.	easured by q	uantitative methoo	ds and are only displayed when they ar
HER PRODUCT NOTES: S	ee SDS at www.laticrete.com for occupat	ional exposu	re information.	
VATER				ID: <b>7732-1</b>
AZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	CREENING DATE:	2022-08-24 7:43:24
%: 85.0000 - 95.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Diluent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard Lis
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
EXEMPT European Union / European Commi (EU EC)		nmission	EU - REACH Exe	emptions
			Exempted from safety	REACH Annex IV listing due to intrinsic
POSITIVE LIST	US Environmental Protection Agency (US EPA)		US EPA - DfE SO	CIL
	L, , , ,		Green Circle - V	erified Low Concern
RIETHOXYOCTYLSILANE				ID: <b>2943-7</b>
RIETHOXYOCTYLSILANE	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	ID: 2943-7 2022-08-24 7:43:25
RIETHOXYOCTYLSILANE				ID: 2943-7 2022-08-24 7:43:25
RIETHOXYOCTYLSILANE	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	ID: 2943-7 2022-08-24 7:43:25
RIETHOXYOCTYLSILANE IAZARD DATA SOURCE: 6: 3.0000 - 5.0000 HAZARD TYPE	Pharos Chemical and Materials Library GreenScreen: LT-UNK	HAZARD SO	CREENING DATE: NANO: <b>No</b>	ID: 2943-7 2022-08-24 7:43:25 SUBSTANCE ROLE: Water resistanc
RIETHOXYOCTYLSILANE IAZARD DATA SOURCE: %: 3.0000 - 5.0000	Pharos Chemical and Materials Library GreenScreen: LT-UNK AGENCY AND LIST TITLES	HAZARD SO	CREENING DATE: NANO: <b>No</b> WARNINGS	ID: 2943-7 2022-08-24 7:43:25 SUBSTANCE ROLE: Water resistanc

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2022-08-24 7:43:26
%: 0.5000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Water resistance
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No war	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY		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. 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 SO	CREENING DATE:	2022-08-24 7:43:26	
%: 0.1500 - 0.2000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Water resistance	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
SKI	GHS - New Zealand		Skin irritation ca	itegory 2	
EYE	GHS - New Zealand	Eye irritation ca		tegory 2	
SKI	GHS - New Zealand	Skin sensitisation		n category 1	
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute cat		e aquatic environment - acute category	
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]			
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effection [Hazardous to the aquatic environment (chronic) - Category 1]			
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1		e aquatic environment - chronic	
РНҮ	GHS - Japan		H272 - May intensify fire; oxidizer [Oxidizing solids - Category 2]		
РНҮ	GHS - New Zealand	Oxidising solids category 2		category 2	
ADDITIONAL LISTINGS	AGENCY		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. 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: 2022-08-24 7:43:27

%: 0.0300 - 0.0500

GreenScreen: BM-2

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	МАК	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
MAM	GHS - Korea	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]
SKI	GHS - Korea	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	GHS - Korea	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1]

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List
		Precautionary list of substances recommended for avoidance
RESTRICTED LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL
		Yellow Triangle - best available in class but some hazard profile issues
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals
		Priority for Inclusion in the Living Building Challenge Red List

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.

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	CDPH Standard Method - Not tested			
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Applies to All Facilities CERTIFICATE URL:	ISSUE DATE: 2022-08-24 EXPIRY DATE:	CERTIFIER OR LAB: None		
CERTIFICATION AND COMPLIANCE NOTES: L&M™ AQUAPEL PLUS™ has not been tested for VOC emissions.				
VOC CONTENT	TDS 251 "Low VOC LATICRETE Products"			
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:	CERTIFIER OR LAB: LATICRETE		
CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v 1113 (Sealers).	v4.1 Credit "Low Emitting Materials" VOC Content	Requirements per SCAQMD Rule		

## 😑 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<sup>™</sup> AQUAPEL PLUS<sup>™</sup> meets the Living Building Challenge v4.1 (March 2022) requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, L&M AQUAPEL PLUS 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.

#### 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

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 (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)

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.

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.