

CLASSIFICATION: 09 30 00 Tiling

PRODUCT DESCRIPTION: LATAPOXY® BIOGREEN™ 300 is a high strength, chemical resistant, epoxy adhesive that contains Bio-based materials derived from renewable resources. Bio-based materials provide an alternative to conventional non-renewable materials such as petroleum derived products, contribute to a cleaner environment and may contribute to LEED V4 points.

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% 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

LATAPOXY® BIOGREEN™ 300 [UNDISCLOSED NoGS QUARTZ LT-1 | CAN
BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-P1 | END CALCIUM
CARBONATE BM-3 DIETHYLENETRIAMINE LT-P1 | SKI | REP
UNDISCLOSED LT-P1 | MUL TITANIUM DIOXIDE LT-1 | CAN | END ALKYL
(C12, C14) GLYCIDYL ETHER LT-P1 | SKI | MUL CASHEW NUT OIL LT-P1 |
MUL UNDISCLOSED LT-P1 | MUL | SKI SILOXANES AND SILICONES, DI-
ME, REACTION PRODUCTS WITH SILICA LT-UNK CASHEW, NUTSHELL
LIQ., POLYMER WITH EPICHLOROHYDRIN LT-UNK
TETRAETHYLENEMPENTAMINE LT-P1 | AQU | SKI | MUL UNDISCLOSED LT-
P1 | END UREA, N, N' -BIS[3-(DIMETHYLAMINO)PROPYL]- LT-P1 | MUL
UNDISCLOSED LT-1 | MAM | GEN | CAN | MUL UNDISCLOSED LT-UNK
BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-P1 | END]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-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): 18.00 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 listings.

VOC emissions: UL GreenGuard Gold (BIOGREEN 300)
VOC content: 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: 2020-04-24

PUBLISHED DATE: 2020-05-12

EXPIRY DATE: 2023-04-24



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

LATAPOXY® BIOGREEN™ 300

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. Unreacted Bisphenol A Diglycidyl Ether (BADGE) may be a residual of this product.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-24

#: 35.00 - 42.00

GS: NoGS

RC: None

NANO: No

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. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-24

#: 22.00 - 30.00

GS: LT-1

RC: None

NANO: No

ROLE: Aggregate

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
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	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

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

BISPHENOL A DIGLYCIDYL ETHER (BADGE)

ID: 25085-99-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-24**

#: **10.00 - 16.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

SUBSTANCE NOTES: The amount of this component may vary based on the plant of manufacture. Unreacted Bisphenol A Diglycidyl Ether (BADGE) may be a residual of this product.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-24**

#: **4.00 - 7.00**

GS: **BM-3**

RC: **None**

NANO: **No**

ROLE: **Rheology Modifier**

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.

DIETHYLENETRIAMINE

ID: 111-40-0

#: **4.00 - 6.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Curing Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

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

UNDISCLOSED

#: **2.00 - 3.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - 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.**

TITANIUM DIOXIDE

ID: **13463-67-7**

#: **1.00 - 2.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
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.**

ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **1.00 - 3.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation**SKIN SENSITIZE**

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to WatersSUBSTANCE NOTES: **The amount of this component may vary based on the plant of manufacture.****CASHEW NUT OIL**

ID: 8007-24-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **1.00 - 2.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Curing Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to WatersSUBSTANCE 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: **2020-04-24**%: **1.00 - 2.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Curing Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters**SKIN SENSITIZE**

MAK

Sensitizing Substance Sh - Danger of skin sensitizationSUBSTANCE 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.****SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA**

ID: 67762-90-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **1.00 - 2.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Thickener**

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.		

CASHEW, NUTSHELL LIQ., POLYMER WITH EPICHLOROHYDRIN

ID: 68413-24-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-24		
%: 0.50 - 1.50	GS: LT-UNK	RC: None	NANO: No	ROLE: Diluent
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.				

TETRAETHYLENAPENTAMINE

ID: 112-57-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-24		
%: 0.30 - 0.60	GS: LT-P1	RC: None	NANO: No	ROLE: Curing Agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects		
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage		
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
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: 2020-04-24		
%: 0.20 - 0.50	GS: LT-P1	RC: None	NANO: No	ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	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.				

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-24**

#: **0.10 - 0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Curing Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

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: **2020-04-24**

#: **0.01 - 0.05** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Air Release Agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - Malaysia	H340 - May cause genetic defects
CANCER	GHS - Malaysia	H350 - May cause cancer
GENE MUTATION	GHS - Australia	H340 - May cause genetic defects
CANCER	GHS - Australia	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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-24**

#: 0.00 - 0.01

GS: LT-UNK

RC: None

NANO: No

ROLE: Air Release Agent

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.

BISPHENOL A DIGLYCIDYL ETHER (BADGE)

ID: 25085-99-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-24

#: Impurity/Residual

GS: LT-P1

RC: None

NANO: No

ROLE: Impurity/Residual

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

EU - Priority Endocrine Disruptors

Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

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

UL GreenGuard Gold (BIOGREEN 300)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **UL**

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

09-11

07-09

Environment

CERTIFICATE URL:

<http://certificates.greenguard.org/default.aspx?id=88567&t=cs&>

CERTIFICATION AND COMPLIANCE NOTES: **Meets LEED v4 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2-2017 in an office and classroom environment.**

VOC CONTENT

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.**

12-18

CERTIFICATE URL:

https://www.laticrete.com/~/_/media/support-and-downloads/technical-datasheets/tds251.ashx

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

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

LATAPOXY® BIOGREEN™ 300 does not meet Living Building Challenge requirements because it does contain a component which is found on the Red Listed Materials or Chemicals. Specifically, LATAPOXY BIOGREEN 300 contains Bisphenol A Diglycidyl Ether (BADGE) as stated in Section 2 of this HPD in an amount greater than the LBC Small Component Clause maximum threshold..



MANUFACTURER INFORMATION

MANUFACTURER: **LATICRETE International**
ADDRESS: **1 Laticrete Park North**
Bethany CT 06524, USA
WEBSITE: **https://laticrete.com**

CONTACT NAME: **Mitch Hawkins**
TITLE: **Technical Services Manager**
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

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

GreenScreen (GS)

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

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.