LATICRETE® NXT® Level DL (Grey) by LATICRETE International

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22610

CLASSIFICATION: 03 54 00 Cast Underlayment

PRODUCT DESCRIPTION: LATICRETE® NXT® Level DL (Grey) is a polishable cement-based high quality, fast drying, dual purpose, self-leveling, interior wear surface topping that can be accented with a wide variety of coloring systems & finishes/high performance underlayments. LATICRETE

NXT Level DL (Grey) is designed for use as a durable and attractive interior wear surface topping or a high performance underlayment.



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

© 100 ppm

C 1,000 ppm C Per GHS SDS

C Other

Residuals/Impurities

Considered

C Partially Considered

Not Considered

Explanation(s) provided for Residuals/Impurities?

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

LATICRETE® NXT® LEVEL DL (GREY) [QUARTZ LT-1 | CAN UNDISCLOSED LT-UNK HIGH-ALUMINA CEMENT LT-UNK GYPSUM LT-UNK UNDISCLOSED LT-UNK PORTLAND CEMENT LT-P1 | END | **CAN CALCIUM SULFATE - HEMIHYDRATE LT-UNK LITHIUM** CARBONATE LT-1 | REP | DEV UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | END UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED LT-1 | CAN | MUL 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 ... 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): 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 listings.

VOC emissions: UL/GreenGuard Gold Certified (NXT Level DL) VOC content: TDS 251 "Low VOC LATICRETE Products"

LCA: LATICRETE Cement Self-Leveling UNderlayment Product Specific

(Type III) EPD

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

O Yes No

VERIFIER:

VERIFICATION #:

PREPARER: Self-Prepared

SCREENING DATE: 2020-10-22 **PUBLISHED DATE: 2020-10-22** EXPIRY DATE: 2023-10-22



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

LATICRETE® NXT® LEVEL DL (GREY)

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.

GHS - Australia

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

QUARTZ ID: 14808-60-7 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22 %: 40.0000 - 50.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Filler HAZARD TYPE AGENCY AND LIST TITLES WARNINGS **CANCER** IARC Group 1 - Agent is Carcinogenic to humans **CANCER US CDC - Occupational Carcinogens** Occupational Carcinogen **CANCER** Carcinogen - specific to chemical form or exposure route CA EPA - Prop 65 **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]

UNDISCLOSED

CANCER

| HAZARD SCREENING METHOD: | Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-10-22 | | |
|---|---------------------------------------|-----------------------------------|-----------------|--------------------------------------|
| %: 20.0000 - 30.0000 | GS: LT-UNK | RC: PreC | NANO: No | SUBSTANCE ROLE: Binder |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| None found No warnings found on HPD Priority Hazard Lis | | | | s 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.

H350i - May cause cancer by inhalation

HIGH-ALUMINA CEMENT ID: 65997-16-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 12.0000 - 18.0000 GS: LT-UNK 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 the plant of manufacture.

GYPSUM ID: 13397-24-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 6.0000 - 10.0000 GS: LT-UNK 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 the plant of manufacture.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 1.5000 - 4.0000 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.

PORTLAND CEMENT ID: 65997-15-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 1.0000 - 3.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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.

CALCIUM SULFATE - HEMIHYDRATE

ID: 10034-76-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 0.8000 - 1.0000 GS: LT-UNK 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 the plant of manufacture.

LITHIUM CARBONATE ID: 554-13-2 HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22 %: 0.0700 - 0.1500 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Processing regulator **HAZARD TYPE** AGENCY AND LIST TITLES WARNINGS REPRODUCTIVE GHS - New Zealand 6.8A - Known or presumed human reproductive or developmental toxicants **REPRODUCTIVE** GHS - Japan Toxic to reproduction - Category 1A [H360] DEVELOPMENTAL CA EPA - Prop 65 **Developmental toxicity**

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: 2020-10-22

%: 0.0500 - 0.2000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Plasticizer

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.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 0.0500 - 0.1000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Viscosity modifier

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.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 0.0300 - 0.0500 GS: LT-UNK 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. 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

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: 2020-10-22 | | |
|--------------------------|---------------------------------------|--|-----------------|------------------------------------|
| %: 0.0100 - 0.0500 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Defoamer |
| HAZARD TYPE | AGENCY AND LIST TITLES | W | ARNINGS | |
| CANCER | EU - GHS (H-Statements) | H350 - May cause cancer | | ancer |
| CANCER | EU - REACH Annex XVII CMRs | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man | | |
| MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicar | | Mutagen &/or Reproductive Toxicant |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen bas on animal evidence | | y 1B - Presumed Carcinogen based |
| 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: 2020-10-22 | | |
|--------------------------|---------------------------------------|--|-----------------|------------------------------------|
| %: 0.0100 - 0.0500 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Defoamer |
| HAZARD TYPE | AGENCY AND LIST TITLES | W | ARNINGS | |
| CANCER | EU - GHS (H-Statements) | H350 - May cause cancer | | ancer |
| CANCER | EU - REACH Annex XVII CMRs | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man | | |
| MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxican | | Mutagen &/or Reproductive Toxicant |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen base on animal evidence | | y 1B - Presumed Carcinogen based |
| 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.

CALCIUM CARBONATE ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-22

%: 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: 2020-10-22

%: Impurity/Residual GS: LT-UNK 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 (NXT Level DL)

CERTIFYING PARTY: Third Party

ISSUE DATE: 2018-10- EXPIRY DATE: 2021-

CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: Applies to All Facilities.

05

07-09

Environment

CERTIFICATE URL:

http://certificates.greenguard.org/default.aspx?

id=130435&t=cs&

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 "Low VOC LATICRETE Products"

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2020-08- EXPIRY DATE:

CERTIFIER OR LAB: LATICRETE

APPLICABLE FACILITIES: Applies to All Facilities.

CERTIFICATE URL:

https://cdn.laticrete.com/~/media/support-anddownloads/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 Self-Leveling UNderlayment Product Specific (Type III) EPD

CERTIFYING PARTY: Third Party

ISSUE DATE: 2016-11- EXPIRY DATE: 2021-

CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: Applies to All Facilities in North

11-28

Environment

CERTIFICATE URL:

https://cdn.laticrete.com/~/media/environmental-product-

data-sheets/cement-self-leveling-underlayment.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® NXT® Level DL (Grey) to be mixed with water only following the mix ratio and directions as stated in the product data sheet.

Section 5: General Notes

LATICRETE® NXT® Level DL (Grey) meets the Living Building Challenge v4.0 requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE NXT Level DL (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), 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

| information. | ganic Compounds (vOC) (wet applied products) |
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| LATICRETE NXT Level DL (Grey) | UPD v2.2 greated via UPDC Builder Born 9 of 6 |

MANUFACTURER INFORMATION

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: 2033934619

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 (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.