DRYTEK® Moisture Vapor Barrier for Pigments by LATICRETE International

Health Product Declaration v2.0

created via: HPDC Online Builder

CLASSIFICATION: 09 96 56.00

PRODUCT DESCRIPTION: DRYTEK® MOISTURE VAPOR BARRIER FOR PIGMENTS IS A SINGLE-COAT, 100% SOLIDS, LIQUID APPLIED 2-PART EPOXY COATING SPECIFICALLY DESIGNED FOR CONTROLLING THE MOISTURE VAPOR EMISSION RATE FROM NEW OR EXISTING CONCRETE SLABS PRIOR TO INSTALLING DRYTEK UNDERLAYMENT AND DECORATIVE TOPPINGS, AND CAN BE PIGMENTED USING SPARTACOTE® EPOXY PIGMENTS.

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ○ Per OSHA MSDS
- ○ Other

Residuals and impurities considered in 0 of 1 materials
- ◉ see Section 2: Material Notes
- ◉ see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances?	◉ Yes	○ No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	◉ Yes	○ No
Identified..... Are all substances disclosed by Name (Specific or Generic) and Identifier?	○ Yes	◉ No

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

DRYTEK MOISTURE VAPOR BARRIER FOR PIGMENTS [BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-P1 | END FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL LT-P1 | MUL CARBOMONOCYCLIC ALKYLATED MIXTURES OF POLY-AZA-ALKANES, HYDROGENATED UNK | SKI | EYE | AQU | MAM ALKYL (C12, C14) GLYCIDYL ETHER LT-P1 | SKI | MUL BUTANEDIOLDIGLYCIDYL ETHER LT-UNK | MAM | EYE | SKI TRIMETHYLHEXAMETHYLENEDIAMINE LT-P1 | MUL BUTYLPHEN LT-P1 | END | SKI | EYE | REP | MUL UNDISCLOSED NoGS M-XYLENE-ALPHA,ALPHA'-DIAMINE LT-P1 | MUL | SKI UNDISCLOSED LT-1 | CAN | GEN | MAM | MUL | END UREA, N, N' -BIS[3-(DIMETHYLAMINO)PROPYL]- LT-P1 | MUL]

Number of Greenscreen BM-4/BM3 contents..... 0

Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 75.00 Regulatory (g/l):

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: UL GreenGuard Gold (DRYTEK MVB)
VOC content: TDS 251 "Low VOC LATICRETE® Products"

See Section 3 for additional listings.

◉ Self-Published*	VERIFIER:	SCREENING DATE: April 27, 2017	EXPIRY DATE*: April 27, 2020
○ Third Party Verified	VERIFICATION #:	RELEASE DATE: April 27, 2017	* or within 3 months of significant change in product contents

*See HPDC website for details

Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

DRYTEK MOISTURE VAPOR BARRIER FOR PIGMENTS **%: 100.0000** **HPD URL:**

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes: See SDS at www.laticrete.com for occupational exposure information.

BISPHENOL A DIGLYCIDYL ETHER (BADGE) ID: 25085-99-8

%: 30.0000 - 50.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Resin

HAZARDS:		AGENCY(IES) WITH WARNINGS:
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

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

FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL ID: 9003-36-5

%: 7.0000 - 12.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Resin

HAZARDS:		AGENCY(IES) WITH WARNINGS:
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

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

CARBOMONOCYCLIC ALKYLATED MIXTURES OF POLY-AZA-ALKANES, HYDROGENATED ID: 1173092-74-4

%: 4.0000 - 10.0000	GS: UNK	RC: None	NANO: NO	ROLE: Resin

HAZARDS:		AGENCY(IES) WITH 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	EU - R-phrases	R43 - May cause sensitization by skin contact
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns

CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways

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

ALKYL (C12, C14) GLYCIDYL ETHER ID: 68609-97-2

%: 3.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Hardener

HAZARDS:		**AGENCY(IES) WITH WARNINGS:**
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
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 Waters

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

BUTANEDIOLDIGLYCIDYL ETHER ID: 2425-79-8

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Curing Agent

HAZARDS:		**AGENCY(IES) WITH WARNINGS:**
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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

TRIMETHYLHEXAMETHYLENEDIAMINE ID: 25620-58-0

%: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Resin

HAZARDS:	AGENCY(IES) WITH 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.

BUTYLPHEN ID: 98-54-4

%: 1.0000 - 4.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Substance of Possible Concern
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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

UNDISCLOSED

%: 0.5000 - 1.0000	GS: NoGS	RC: None	NANO: NO	ROLE: Curing Agent

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

M-XYLENE-ALPHA,ALPHA'-DIAMINE ID: 1477-55-0

%: 0.3000 - 1.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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

UNDISCLOSED

%: 0.1000 - 0.2000	GS: LT-1	RC: None	NANO: NO	ROLE: Defoamer

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - R-phrases	R45 - May cause cancer
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage
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
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	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
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.

UREA, N, N' -BIS[3-(DIMETHYLAMINO)PROPYL]-			ID: 52338-87-1	
%: 0.1000 - 0.8000	GS: LT-P1	RC: None	NANO: NO	ROLE: Hardener

HAZARDS:	AGENCY(IES) WITH 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.

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

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Applies to All Facilities.
CERTIFICATE URL:
https://spot.ulprospector.com/documents/1479858.pdf?bs=31935&b=683987&st=1&sl=42706514&crit=a2V5d29yZDpbTEFUSUNSRVRFXQ%3d%3d&k=l
CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Low Emitting Materials" Emissions and Content Requirements.

VOC CONTENT

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Applies to all facilities.
CERTIFICATE URL: https://www.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx?la=en
CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Low Emitting Materials" Emissions and Content Requirements.

TDS 251 "Low VOC LATICRETE® Products"

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-07-07	0000-00-00	LATICRETE

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.

SPARTACOTE® EPOXY PIGMENTS **HPD URL: No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: DRYTEK® Moisture Vapor Barrier for Pigments to be be mixed with SPARTACOTE® Epoxy Pigments only following mix ratio and directions as stated on product data sheet.

Section 5: General Notes

DRYTEK® Moisture Vapor Barrier for Pigments does not meet Living Building Challenge requirements because it does contain a component which is found on the Red Listed Materials or Chemicals. Specifically, DRYTEK Moisture Vapor Barrier for Pigments contains Bisphenol A Diglycidyl Ether (BADGE) as stated in Section 2 of this HPD.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International

ADDRESS: 1 Laticrete Park North
Bethany, CT 06524
USA

WEBSITE: www.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 Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

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 Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
UNK Unknown (no data on List Translator Lists)

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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.