LATICRETE® NXT™ Vapor Reduction Coating by LATICRETE International

CLASSIFICATION: 09 96 56.00

PRODUCT DESCRIPTION: LATICRETE NXT Vapor Reduction Coating 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 LATICRETE NXT underlayments.

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

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

One or more substances not screened using Priority Hazard Lists with results disclosed and/or one or more Special Condition did not follow guidance.

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 VAPOR REDUCTION COATING | 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-AULKANES, HYDROGENATED | Not Screened | SKI | EYE | AQU | MAM
| ALKYL (C12, C14) GLYCIDYL ETHER | LT-P1 | SKI | MUL
| M-XYLENE-ALPHA,ALPHA’-DIAMINE | LT-P1 | MUL
| BUTANEDIOL DIGLYCIDYL ETHER | LT-UNK | SKI | EYE
| TRIMETHYLHEXAMETHYLENEDIAMINE | LT-P1 | MUL
| N, N’-BIS[3-(DIMETHYLAMINO)PROPYL]UREA, N, N’-BIS[3-(DIMETHYLAMINO)PROPYL]UREA | LT-1 | MUL
| BISPHENOL A DIGLYCIDYL ETHER (BADGE) | LT-P1 | END

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. 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): 9.4
Regulatory (g/l): 9.4
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 (NXT VRC)
VOC content: TDS 251 “Low VOC LATICRETE® Products”

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.
## LATICRETE NXT VAPOR REDUCTION COATING

**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 www.laticrete.com for occupational exposure information.

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### BISPHENOL A DIGLYCIDYL ETHER (BADGE)

<table>
<thead>
<tr>
<th>ID: 25085-99-8</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-21

<table>
<thead>
<tr>
<th>%: 30.0000 - 50.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>Nano: No</th>
<th>Role: Resin</th>
</tr>
</thead>
</table>

**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 plant of manufacture.

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### FORMALDEHYDE, POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL

<table>
<thead>
<tr>
<th>ID: 9003-36-5</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-21

<table>
<thead>
<tr>
<th>%: 7.0000 - 12.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>Nano: No</th>
<th>Role: Hardener</th>
</tr>
</thead>
</table>

**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 plant of manufacture.

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### CARBOMONOCYCLIC ALKYLATED MIXTURES OF POLY-AZA-ALKANES, HYDROGENATED

<table>
<thead>
<tr>
<th>ID: Undisclosed</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-21

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**
### Alkyl (C12, C14) Glycidyl Ether

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2018-12-21</td>
<td>3.0000 - 10.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Hardener</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### M-Xylene-alpha,Alpha'-Diamine

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2018-12-21</td>
<td>2.5000 - 15.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Resin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Butanediol Glycidyl Ether

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2018-12-21</td>
<td>1.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Curing Agent</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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.

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**TRIMETHYLHEXAMETHYLENEDIAMINE**

**ID:** 25620-58-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-12-21

%: 1.0000 - 5.0000  
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 plant of manufacture.

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**BUTYLPHEN**

**ID:** 98-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-12-21

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

**HAZARD TYPE**  
AGENCY AND LIST TITLES  
WARNINGS

ENDOCRINE  
OSPAR - Priority PBTs & EDs & equivalent concern  
Endocrine Disruptor - Substance of Possible Concern

ENDOCRINE  
EU - Priority Endocrine Disruptors  
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 plant of manufacture.

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**UNDISCLOSED**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-12-21

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

LATICRETE NXT Vapor Reduction Coating  
hpdrepository.hpd-collaborative.org  
HPD v2.1.1 created via HPDC Builder Page 4 of 8
## UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2018-12-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 0.2000</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - GHS (H-Statements)</td>
<td>H304 - May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - GHS (H-Statements)</td>
<td>H340 - May cause genetic defects</td>
</tr>
<tr>
<td>CANCER</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>CANCER</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - REACH Annex XVII CMRs</td>
<td>Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>EU - Annex VI CMRs</td>
<td>Mutagen - Category 1B</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>Australia - GHS</td>
<td>H340 - May cause genetic defects</td>
</tr>
<tr>
<td>CANCER</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>Australia - GHS</td>
<td>H350 - May cause cancer</td>
</tr>
</tbody>
</table>

**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.

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## UREA, N, N'-BIS[3-(DIMETHYLAMINO)PROPYL]-

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2018-12-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 0.8000</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>

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

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-12-21

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0100 - 0.0200</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Defoamer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found

**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:** 2018-12-21

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>UL GreenGuard Gold (NXT VRC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td>UL Environment</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="http://certificates.ulenvironment.com/default.aspx?id=57410&amp;t=cs">http://certificates.ulenvironment.com/default.aspx?id=57410&amp;t=cs</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2009-07</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2019-07</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Meets LEED v4 Credit &quot;Low Emitting Materials&quot; Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2-2017 in an office and classroom environment.</td>
</tr>
</tbody>
</table>

### VOC CONTENT

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>TDS 251 &quot;Low VOC LATICRETE® Products&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-declared</td>
<td>LATICRETE</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://www.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx">https://www.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-12-18</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Meets LEED v4 Credit &quot;Low Emitting Materials&quot; VOC Content Requirements per SCAQMD Rule 1113 (Waterproofing Sealers).</td>
</tr>
</tbody>
</table>

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

LATICRETE® NXT™ Vapor Reduction Coating does not meet Living Building Challenge requirements because it does contain a component which is found on the Red Listed Materials or Chemicals v3.1. Specifically, LATICRETE NXT Vapor Reduction Coating 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.
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.