SPARTACOTE™ Moisture Vapor Barrier
by LATICRETE International

HPD UNIQUE IDENTIFIER: 22056
CLASSIFICATION: 09 96 56 Epoxy Coatings
PRODUCT DESCRIPTION: SPARTACOTE™ Moisture Vapor Barrier 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. This product is oil tolerant and reduces the emission of oils and other chemicals from the substrate.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td>Other</td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
</tr>
</tbody>
</table>

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/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
---|------------|----------------------|-------------------|----------------|
SPARTACOTE MOISTURE VAPOR BARRIER | BISPHENOL A EPICHLOROHYDRIN POLYMER LT-P1 | AQU | SKI | EYE | MUL
CARBOMONOCYCLIC ALKYLATED MIXTURES OF POLY-aza-ALKANES, HYDROGENATED | Not Screened | SKI | EYE | AQU | MAM
POLYMER WITH 2-(CHLOROMETHYL)OXIRANE AND PHENOL LT-P1 | MUL | 1,4-BIS(3,3-EPoxypropoxy)butane LT-UNK | SKI | EYE
UNDISCLOSED | P-TERT-BUTYLPHENOL LT-1 | END | AQU | SKI | EYE | REP | MUL
1,3-BENZENEDIAMINE LT-P1 | MUL | | | | |
UREA, N, N'-BIS[3-(DIMETHYLAMINO)PROPYL] LT-P1 | MUL | | | | |
1,6-HEXANEDIAMINE, 2,2,4(OR 2,4,4)-TRIMETHYL-LT-P1 | MUL | | | | |
UNDISCLOSED LT-1 | MAM | GEN | CAN | MUL | END | BISPHENOL A EPICHLOROHYDRIN POLYMER LT-P1 | AQU | SKI |
EYE | MUL METHOXYISOPROPYL ACETATE LT-UNK |

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 Certified
VOC content: TDS 251 "Low VOC LATICRETE Products"

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?
- Yes
- No
PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:
SCREENING DATE: 2020-10-02
PUBLISHED DATE: 2020-10-02
EXPIRY DATE: 2023-10-02
**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](http://www.hpd-collaborative.org/hpd-2-2-standard)

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**SPARTACOTE™ MOISTURE VAPOR BARRIER**

**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 laticretesupercap.com for occupational exposure information.

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**BISPHENOL A EPICHLOROHYDRIN POLYMER**

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

**HAZARD SCREENING DATE:** 2020-10-02

<table>
<thead>
<tr>
<th>%</th>
<th>40.0000 - 48.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS</td>
<td>LT-P1</td>
</tr>
<tr>
<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Curing agent</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND UST TITLES**

- **WARNINGS**
  - CHRON AQUATIC
    - EU - GHS (H-Statements)
    - H411 - Toxic to aquatic life with long lasting effects
  - 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
  - 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.

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

**ID:** Undisclosed

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

**HAZARD SCREENING DATE:** 2020-10-02

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<tr>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>GS</td>
<td>Not Screened</td>
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<td>RC</td>
<td>None</td>
</tr>
<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Activator</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND UST TITLES**

**WARNINGS**

Hazard Screening not performed

**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**

**ID:** 9003-36-5

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

**HAZARD SCREENING DATE:** 2020-10-02

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<th>%</th>
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<td>LT-P1</td>
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<tr>
<td>NANO</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE</td>
<td>Curing agent</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND UST 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.

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**ALKYL (C12, C14) GLYCIDYL ETHER**

**ID:** 68609-97-2

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

**HAZARD SCREENING DATE:** 2020-10-02

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1,4-BIS(2,3-EPoxyPropoxy)Butane

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<td><strong>HAZARD SCREENING DATE:</strong> 2020-10-02</td>
</tr>
<tr>
<td><strong>%:</strong> 2.5000 - 4.0000</td>
</tr>
<tr>
<td><strong>GS:</strong> LT-UNK</td>
</tr>
<tr>
<td><strong>RC:</strong> None</td>
</tr>
<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong> Diluent</td>
</tr>
</tbody>
</table>

**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 Waters

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

P-TERT-BUTYLPHENOL

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<th>ID: 98-54-4</th>
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<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<td><strong>HAZARD SCREENING DATE:</strong> 2020-10-02</td>
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<td><strong>%:</strong> 2.0000 - 3.5000</td>
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<td><strong>GS:</strong> LT-1</td>
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<tr>
<td><strong>RC:</strong> None</td>
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<tr>
<td><strong>NANO:</strong> No</td>
</tr>
<tr>
<td><strong>SUBSTANCE ROLE:</strong> Activator</td>
</tr>
</tbody>
</table>

**ENDOCRINE**
- EU - Priority Endocrine Disruptors |
  - Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

**CHRON AQUATIC**
- EU - GHS (H-Statements) |
  - H410 - Very toxic to aquatic life with long lasting effects

**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

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

**SUBSTANCE NOTES:** The amount of this component may vary based on the plant of manufacture.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>Hazard Screening Method</th>
<th>Hazard Screening Date</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Substance Role</th>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>Warnings</th>
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<tbody>
<tr>
<td>1,3-BENZENEDIMETHANAMINE</td>
<td>1477-55-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-02</td>
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<td>LT-P1</td>
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<td>No</td>
<td>Activator</td>
<td>2.0000 - 3.0000</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
<td></td>
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<tr>
<td>UREA, N, N'-BIS[3-(DIMETHYLAMINO)PROPYL]-</td>
<td>52338-87-1</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-02</td>
<td>0.4000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Activator</td>
<td>0.4000 - 0.5000</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
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<tr>
<td>1,6-HEXANEDIAMINE, 2,2,4(OR 2,4,4)-TRIMETHYL-</td>
<td>25513-64-8</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-02</td>
<td>0.3000 - 0.5000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Activator</td>
<td>0.3000 - 0.5000</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
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<td>UNDISCLOSED</td>
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<td>2020-10-02</td>
<td>0.1000 - 0.3000</td>
<td>LT-1</td>
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<td>No</td>
<td>Defoamer</td>
<td>0.1000 - 0.3000</td>
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</tbody>
</table>
### BISPHENOL A EPICHLOROHYDRIN POLYMER

**ID:** 25068-38-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-02  
**%:** Impurity/Residual  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H411 - Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>

**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.

### METHOXYISOPROPYL ACETATE

**ID:** 108-65-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-02  
**%:** 0.0100 - 0.0150  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Defoamer

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND UST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**UL/GreenGuard Gold Certified**

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** Applies to All Facilities.  
**ISSUE DATE:** 2018-10-05  
**EXPIRY DATE:** 2021-12-09  
**CERTIFIER OR LAB:** UL Environment

**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  
**APPLICABLE FACILITIES:** Applies to All Facilities.  
**CERTIFICATE URL:** [https://cdn.laticrete.com/~/media/support-and-downloads/technical-datasheets/tds251.ashx](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 v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (Waterproofing Sealers).

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

SPARTACOTE™ Moisture Vapor Barrier does not meet Living Building Challenge requirements because it does contain a component which is found on the LBC Red Listed Materials or Chemicals v4.0. Specifically, SPARTACOTE Moisture Vapor Barrier contains Bisphenol A Epichlorohydrin Polymer as stated in Section 2 of this HPD in an amount greater than the LBC Small Component Clause maximum threshold.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: LATICRETE International  
ADDRESS: 1 Laticrete Park North, Bethany, CT 06524, USA  
WEBSITE: www.spartacote.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.