## Classification

09 30 00 Tiling

## Product Description

An additive to certain LATICRETE modified thin-sets, to provide uniform heat diffusion throughout the floor!

## Section 1: Summary

### Basic Method / Product Threshold

<table>
<thead>
<tr>
<th>CONTENT INVENTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory Reporting Format</td>
</tr>
<tr>
<td>Nested Materials Method</td>
</tr>
<tr>
<td>Basic Method</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Not Considered</td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></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

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.

### MATERI AL | SUBSTANCE | RESIDUAL OR IMPURITY

<table>
<thead>
<tr>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATICRETE® STRATA_HEAT THERMAL PACK</td>
<td>GRAPHITE (GRAPHITE)</td>
</tr>
<tr>
<td>LT-UNK</td>
<td>UNDISCLOSED</td>
</tr>
<tr>
<td>NoGS</td>
<td>LT-P1</td>
</tr>
</tbody>
</table>

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... No

### 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: N/A
VOC content: TDS 251 "Low VOC LATICRETE Products / LEED Certification"

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

### 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

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

### 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

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Regulatory (g/l): N/A
Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

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Pre-checked for LEED v4 Material Ingredients, Option 1

### 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

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

### 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.
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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

### LATICRETE® STRATA_HEAT THERMAL PACK

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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**GRAPHITE (GRAPHITE)**  
ID: 7782-42-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-22

<table>
<thead>
<tr>
<th>%: 90.0000 - 98.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Thermal Conductive Filler</th>
</tr>
</thead>
</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.

---

**UNDISCLOSED**  
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-22

<table>
<thead>
<tr>
<th>%: 2.0000 - 4.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Working Time Adjuster</th>
</tr>
</thead>
</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.

---

**UNDISCLOSED**  
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-22

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Working Time Adjuster</th>
</tr>
</thead>
</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.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

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: 2018-08-22

<table>
<thead>
<tr>
<th>%: 0.0500 - 0.1000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Working Time Adjuster</th>
</tr>
</thead>
</table>

No hazards found

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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2018-12-19</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: LATICRETE® STRATA_HEAT™ Thermal Pack has not been tested for VOC emissions.

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Applies to All Facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://cdn.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx">https://cdn.laticrete.com/~media/support-and-downloads/technical-datasheets/tds251.ashx</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-01-18</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>LATICRETE</td>
</tr>
</tbody>
</table>

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.

**WATER**

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE STRATA_HEAT Thermal Pack to be mixed with water only. This mix is then added to a LATICRETE adhesive as shown on product data sheet (e.g. LATICRETE 254 Platinum, LATICRETE 253 Gold or LATICRETE 4-XLT).

**LATICRETE 254 PLATINUM**

HPD URL: https://cdn.laticrete.com/~media/health-product-datasheets/tsis/254-grey-hpd.ashx

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
LATICRETE STRATA_HEAT Thermal Pack, mixed with water, to be mixed with LATICRETE 254 Platinum following mix ratio and directions on product data sheet.

**LATICRETE 253 GOLD**

HPD URL: https://cdn.laticrete.com/~media/health-product-datasheets/tsis/253-grey-hpd.ashx
LATICRETE® STRATA_HEAT Thermal Pack meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE STRATA_HEAT Thermal Pack does not contain the following:

- Alkylphenols* • Asbestos • Bisphenol A (BPA)* • Cadmium • Chlorinated Polyethylene & Chlorosulfonated Polyethylene • Chlorobenzenes* • Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs)* • Chloroprene (Neoprene) • Chromium VI* • Chlorinated Polyvinyl Chloride (CPVC)* • Formaldehyde (all types - added) • Halogenated Flame Retardants (HFRs) • Lead (added) • Mercury • Polychlorinated Biphenyls (PCBs)* • Perfluorinated Compounds (PFCs)* • Phthalates • Polyvinyl Chloride (PVC) • Polyvinylidene Chloride (PVDC)* • Short Chain Chlorinated Paraffins* • Wood treatments containing Creosote, Arsenic or Pentachlorophenol. LATICRETE STRATA_HEAT Thermal Pack also does not contain the following California-defined Group II toxic exempt solvents:
  - Methylene Chloride (Dichloromethane) • 1,1,1-trichloroethane (methyl chloroform) • Trichlorofluoromethane (CFC-11) • Dichlorofluoromethane (CFC-12) • 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) • 1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114) • Chloropentafluoroethane (CFC-115) • Cyclic, Branched or Linear, Completely Methylated Siloxanes (VMS) • Tetrachloroethylene (perchloroethylene) • Ethylfluoride (HFC-161) • 1,1,1,3,3,3-hexafluoropropane (HFC-236fa) • 1,1,2,3,3,3-pentafluoropropane (HFC-245ca) • 1,1,2,3,3-pentafluoropropane (HFC-245ea) • 1,1,1,3,3-pentafluoropropane (HFC-245eb) • 1,1,1,3,3-pentafluoropropane (HFC-245fa) • 1,1,1,3,3,3-hexafluoropropane (HFC-236ea) • 1,1,1,3,3,3-pentafluorobutane (HFC-365mfc) • Chlorofluoromethane (HCFC-31) • 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a) • 1 chloro-1-fluoroethane (HCFC-151a)
MANUFACTURER INFORMATION

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

CONTACT NAME:  Mitch Hawkins
TITLE:  Senior Manager, Technical Services
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

Aquatic toxicity  Global warming  Physical Hazard (reactive)
Cancer  Mammalian/systemic/organ toxicity  Reproductive toxicity
Developmental toxicity  Multiple hazards  Respiratory sensitization
Endocrine activity  Neurotoxicity  Skin sensitization/irritation/corrosivity
Eye irritation/corrosivity  Ozone depletion  Land Toxicity
Gene mutation  Persistent Bioaccumulative Toxic  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.