STONETECH® Heavy Duty Sealer
by LATICRETE International

CLASSIFICATION: 07 19 23

PRODUCT DESCRIPTION: A high performance, water-based sealer designed for interior and exterior use on applications of natural stone such as marble, granite, limestone, travertine, sandstone, flagstone, saltillo, slate, and bluestone.

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
- Screened Yes Ex/SC Yes No
- Identified Yes Ex/SC 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

STONETECH® HEAVY DUTY SEALER | WATER BM-4 UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED NoGS UNDISCLOSED LT-P1 | SKI | PHY UNDISCLOSED LT-P1 | AQU | SKI | EYE | MUL UNDISCLOSED BM-2 | MUL | SKI | END UNDISCLOSED BM-2 | CAN | END | DEL | REP | PHY BUTOXYPROPANOL LT-UNK | SKI | EYE UNDISCLOSED LT-UNK

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
This HPD was Created with Basic Inventory. STONETECH® Heavy Duty Sealer is a low-solids coating which means VOC content is expressed in grams of VOC per liter of material, not grams of VOC per liter of coating, less water (SCAQMD Rule #1113 Table of Standards (cont.) VOC limits). 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): 8
Regulatory (g/l): 375
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"

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1
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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

<table>
<thead>
<tr>
<th>STONETECH® HEAVY DUTY SEALER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 100 ppm</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> Residuals and impurities are measured by quantitative methods and are only displayed when they are potentially greater than 100 ppm.</td>
</tr>
</tbody>
</table>

### WATER

**ID:** 7732-18-5

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

<table>
<thead>
<tr>
<th>%: 90.0000 - 98.0000</th>
<th><strong>GS:</strong> BM-4</th>
<th><strong>RC:</strong> None</th>
<th><strong>NANO:</strong> No</th>
<th><strong>ROLE:</strong> Diluent</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

<table>
<thead>
<tr>
<th>%: 1.0000 - 4.0000</th>
<th><strong>GS:</strong> LT-UNK</th>
<th><strong>RC:</strong> None</th>
<th><strong>NANO:</strong> No</th>
<th><strong>ROLE:</strong> Sealer</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. 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

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.2000</th>
<th><strong>GS:</strong> NoGS</th>
<th><strong>RC:</strong> None</th>
<th><strong>NANO:</strong> No</th>
<th><strong>ROLE:</strong> Surfactant</th>
</tr>
</thead>
</table>
### HAZARD TYPE

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No hazards found</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2018-08-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0300 - 0.0400</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>ROLE: Solvent</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

### HAZARD TYPE

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### SUBSTANCE NOTES:
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### UNDISCLOSED

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<th>HAZARD SCREENING DATE: 2018-08-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0200 - 0.0300</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td></td>
<td>ROLE: pH Adjuster</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

### HAZARD TYPE

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</tr>
</tbody>
</table>

### SKIN IRRITATION

- EU - GHS (H-Statements)
  - H314 - Causes severe skin burns and eye damage

### PHYSICAL HAZARD (REACTIVE)

- Korea - GHS
  - H290 - May be corrosive to metals

### 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

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<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2018-08-08</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0050 - 0.0080</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td></td>
<td>ROLE: Preservative</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
</tbody>
</table>

### HAZARD TYPE

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Acute Aquatic

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H400 - Very toxic to aquatic life

### Skin Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H315 - Causes skin irritation

### Skin Sensitize

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H317 - May cause an allergic skin reaction

### Eye Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H318 - Causes serious eye damage

### Multiple

**Agency and List Titles**: German FEA - Substances Hazardous to Waters  
**Warnings**: Class 2 - Hazard to Waters

### Skin Sensitize

**Agency and List Titles**: MAK  
**Warnings**: Sensitizing Substance Sh - Danger of skin sensitization

---

**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**: 2018-08-08

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0050 - 0.0100</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Preservative</td>
</tr>
</tbody>
</table>

### Acute Aquatic

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H400 - Very toxic to aquatic life

### Skin Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H315 - Causes skin irritation

### Skin Sensitize

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H317 - May cause an allergic skin reaction

### Eye Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H318 - Causes serious eye damage

### Multiple

**Agency and List Titles**: German FEA - Substances Hazardous to Waters  
**Warnings**: Class 3 - Severe Hazard to Waters

### Skin Sensitize

**Agency and List Titles**: MAK  
**Warnings**: Sensitizing Substance Sh - Danger of skin sensitization

---

**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**: 2018-08-08

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0020 - 0.0030</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Solvent</td>
</tr>
</tbody>
</table>

### Acute Aquatic

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H400 - Very toxic to aquatic life

### Skin Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H315 - Causes skin irritation

### Skin Sensitize

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H317 - May cause an allergic skin reaction

### Eye Irritation

**Agency and List Titles**: EU - GHS (H-Statements)  
**Warnings**: H318 - Causes serious eye damage

### ENDOCRINE

**Agency and List Titles**: TEDX - Potential Endocrine Disruptors  
**Warnings**: Potential Endocrine Disruptor

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**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.
### Substance Notes:
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### Butoxypropanol

<table>
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<tr>
<th>HAZARD TYPE</th>
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<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>CA EPA - Prop 65</td>
<td>Developmental - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>Japan - GHS</td>
<td>Toxic to reproduction - Category 1A</td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
<td>H225 - Highly flammable liquid and vapour</td>
</tr>
</tbody>
</table>

### Substance Notes:
The amount of this component may vary based on the plant of manufacture.

### Undisclosed

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</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

| CERTIFYING PARTY: | Self-declared | ISSUE DATE: | 2019-01-29 |
| CERTIFICATION AND COMPLIANCE NOTES: | STONETECH® Heavy Duty Sealer has not been tested for VOC emissions. |

VOC CONTENT

| CERTIFYING PARTY: | Self-declared | ISSUE DATE: | 2019-01-09 |
| CERTIFICATION AND COMPLIANCE NOTES: | Meets LEED v4 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1113 (Low-Solids Coating). |

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

STONETECH® Heavy Duty Sealer meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, STONETECH Heavy Duty Sealer 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. STONETECH Heavy Duty Sealer 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-hexafluoropropylene (HFC-236fa) •1,1,2,3,3-pentafluoropropane (HFC-245ca) •1,1,2,3,3-pentafluoropropane (HFC-
245ea) • 1,1,1,2,3-pentafluoropropane (HFC-245eb) • 1,1,1,3,3-pentafluoropropane (HFC-245fa) • 1,1,1,2,3,3-
hexafluoropropane (HFC-236ea) • 1,1,1,3,3-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: www.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
AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

GLO Global warming
MAM Mammalian/systemic/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 Unspecified (insufficient 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)
NoGS 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 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.