LATICRETE® PERMACOLOR® Select Base Powder
by LATICRETE International

Health Product Declaration v2.1.1
created via: HPDC Online Builder

CLASSIFICATION: 09 30 00

PRODUCT DESCRIPTION: An advanced high performance cement grout that offers the industry’s first dispensable dry pigment solution. LATICRETE PERMACOLOR Select is designed for virtually all types of residential and commercial installations and offers optimum performance on the most demanding exterior or interior applications.

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

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

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

LATICRETE PERMACOLOR SELECT BASE POWDER |
- QUARTZ LT-1 |
- CAN HIGH-ALUMINA CEMENT LT-UNK |
- CALCIUM SULFATE, 1, 2-HYDRATE |
- POWDER LT-UNK |
- UNDISCLOSED NoGS |
- PORTLAND CEMENT LT-P1 |
- CAN END PLASTER OF PARIS NoGS |
- UNDISCLOSED LT-UNK |
- UNDISCLOSED NoGS |
- UNDISCLOSED LT-UNK |
- UNDISCLOSED LT-UNK |
- UNDISCLOSED LT-UNK |
- LT-UNK |
- LITHIUM CARBONATE LT-UNK |
- DEL |

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

Number of Greenscreen BM-4/BM3 contents ... 1
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.

CERTIFICATIONS AND COMPLIANCE

see Section 3 for additional listings.

VOC emissions: UL GreenGuard Gold (PERMACOLOR Select)
VOC content: TDS 251 “Low VOC LATICRETE® Products”
LCA: LATICRETE Grout for Tile Installation Product Specific (Type III)
Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1
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)

### LATICRETE PERMACOLOR SELECT BASE POWDER

**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](http://www.laticrete.com) for occupational exposure information.

<table>
<thead>
<tr>
<th>Quatrz</th>
<th>Id: 14808-60-7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong></td>
<td>Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE:</strong></td>
<td>2018-08-02</td>
</tr>
<tr>
<td><strong>%:</strong> 55.0000 - 65.0000</td>
<td><strong>GS:</strong> LT-1</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
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<tr>
<td>CANCER</td>
<td>New Zealand - GHS</td>
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<td>CANCER</td>
<td>Australia - GHS</td>
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<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
</tr>
</tbody>
</table>

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

### HIGH-ALUMINA CEMENT

<table>
<thead>
<tr>
<th>Id: 65997-16-2</th>
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<tr>
<td><strong>HAZARD SCREENING METHOD:</strong></td>
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<tr>
<td><strong>HAZARD SCREENING DATE:</strong></td>
</tr>
<tr>
<td><strong>%:</strong> 22.0000 - 25.0000</td>
</tr>
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</table>
HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

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

CALCIUM SULFATE, 1_2-HYDRATE, POWDER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-08-02

%: 5.0000 - 7.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

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: 2018-08-02

%: 2.0000 - 5.0000

GS: NoGS

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

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.

PORTLAND CEMENT

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-08-02

%: 1.0000 - 4.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

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

PLASTER OF PARIS

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-08-02

%: 1.0000 - 2.0000

GS: NoGS

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS
<table>
<thead>
<tr>
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<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<tr>
<td><strong>%:</strong> 1.0000 - 3.0000</td>
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No hazards found

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

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<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<tr>
<td><strong>%:</strong> 0.5000 - 1.0000</td>
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</tbody>
</table>

No hazards found

**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.

<table>
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<tbody>
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<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<tr>
<td><strong>%:</strong> 0.5000 - 1.0000</td>
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No hazards found

**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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<tr>
<td><strong>%:</strong> 0.2500 - 0.7500</td>
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No hazards found

**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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<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<tr>
<td><strong>%:</strong> 0.1000 - 0.2000</td>
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<td><strong>HAZARD TYPE</strong></td>
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<tr>
<td><strong>SUBSTANCE NOTES:</strong> 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.</td>
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<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>%:</strong> 0.0500 - 1.5000</td>
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<tr>
<td><strong>HAZARD TYPE</strong></td>
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<tr>
<td></td>
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<tr>
<td><strong>SUBSTANCE NOTES:</strong> 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.</td>
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<tr>
<td><strong>%:</strong> 0.0500 - 0.1000</td>
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<td><strong>HAZARD TYPE</strong></td>
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<tr>
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<tr>
<td><strong>MAMMALIAN</strong></td>
</tr>
<tr>
<td><strong>ORGAN TOXICANT</strong></td>
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<tr>
<td><strong>ENDOCRINE</strong></td>
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<tr>
<td><strong>SUBSTANCE NOTES:</strong> 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.</td>
</tr>
</tbody>
</table>
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-02

**Hazard Type** | Agency and List Titles | WARNINGS
--- | --- | ---
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
MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER | Australia - GHS | H350 - May cause cancer

**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.

**UNDISCLOSED**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-02

| %: 0.0500 - 0.1000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Rheology Modifier
--- | --- | --- | --- | ---

**HAZARD TYPE** | Agency and List Titles | WARNINGS
--- | --- | ---
| | | 

**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.

**UNDISCLOSED**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-02

| %: 0.0000 - 0.3000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Cure Accelerator
--- | --- | --- | --- | ---

**HAZARD TYPE** | Agency and List Titles | WARNINGS
--- | --- | ---
| | 

**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.

**CALCIUM CARBONATE**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2018-08-02

| %: Impurity/Residual | GS: BM-3 | RC: None | NANO: No | ROLE: Impurity/Residual
--- | --- | --- | --- | ---

**HAZARD TYPE** | Agency and List Titles | WARNINGS
--- | --- | ---
| | 

**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.
**LIMESTONE; CALCIUM CARBONATE**

**ID:** 1317-65-3  

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<th>Pharos Chemical and Materials Library</th>
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<tbody>
<tr>
<td>%: Impurity/Residual</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RC: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NANO: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROLE: Impurity/Residual</td>
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<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  

**AGENCY AND LIST TITLES**  

**WARNINGS**  

No hazards found

**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, if present, may or may not be greater than 100 ppm.

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**LITHIUM CARBONATE**

**ID:** 554-13-2  

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<th>Pharos Chemical and Materials Library</th>
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<tbody>
<tr>
<td>%: 0.0000 - 0.3000</td>
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<tr>
<td>GS: LT-1</td>
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<td></td>
</tr>
<tr>
<td>RC: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NANO: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROLE: Cure Accelerator</td>
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</tr>
</tbody>
</table>

**HAZARD TYPE**  

**AGENCY AND LIST TITLES**  

**WARNINGS**  

**DEVELOPMENTAL**  

CA EPA - Prop 65  

Developmental toxicity

**REPRODUCTIVE**  

New Zealand - GHS  

6.8A - Known or presumed human reproductive or developmental toxicants

**REPRODUCTIVE**  

Japan - GHS  

Toxic to reproduction - Category 1A

**SUBSTANCE NOTES:** The amount of this component may vary based on 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 (PERMACOLOR Select)**

| CERTIFYING PARTY: | Third Party |
| APPLICABLE FACILITIES: | Applies to All Facilities. |
| ISSUE DATE: | 2009-07-07 |
| EXPIRY DATE: | 2019-07-09 |
| CERTIFIER OR LAB: | UL Environment |
| CERTIFICATE URL: | http://certificates.ulenvironment.com/default.aspx?id=65115&t=cs |

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Low Emitting Materials" Emissions and Content Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2-2017 in an office and classroom environment.

**VOC CONTENT**

**TDS 251 "Low VOC LATICRETE® Products"**

| CERTIFYING PARTY: | Self-declared |
| APPLICABLE FACILITIES: | Applies to all facilities. |
| ISSUE DATE: | 2016-07-07 |
| CERTIFIER OR LAB: | LATICRETE |
| 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.

**LCA**

**LATICRETE Grout for Tile Installation Product Specific (Type III) Environmental Product Declaration**

| CERTIFYING PARTY: | Third Party |
| APPLICABLE FACILITIES: | Applies to All Facilities in North America |
| ISSUE DATE: | 2016-11-29 |
| EXPIRY DATE: | 2021-11-28 |
| CERTIFIER OR LAB: | UL Environment |

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4 Credit "Building Product Disclosure and Optimization-Environmental Product Declarations" requirements as a Product Specific (Type III) EPD.

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 AND LATICRETE PERMACOLOR SELECT COLOR KIT**

HPD URL: No HPD link provided
Section 5: General Notes

LATICRETE® PERMACOLOR® Select Grout meets the Living Building Challenge requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE PERMACOLOR Select Grout 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) 
- Polytetrafluoroethylene (PTFE)* 
- Short Chain Chlorinated Paraffins* 
- Wood treatments containing Creosote, Arsenic or Pentachlorophenol. LATICRETE PERMACOLOR Select Grout 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-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: 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 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/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 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.