Crossville Porcelain Tiles by Crossville Inc.

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 21490
CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Our products can be used indoors and outdoors, in both residential and commercial spaces. From sprawling retail spaces to luxurious residential guest bathrooms, American-made Crossville tile is chosen by designers and architects in all industries for its beauty, sustainability, and functional design. This HPD represents all colors available within the following collections: Alaska, Altered State, Argent, Astral Plane, Basalt, Bluestone, Bohemia, Color Blox, Color Blox Mosaics, Cross Colors Mingles, EcoCycle Americana, Familiar Territory, Gotham, Java Joint, Main Street, Moonstruck, Nest, Notorious, Physics, Ready to Wear, Reformation, Retroactive 2.0, Retroactive 2.0 Patterned, Shades, Speakeasy, State of Grace, Story Teller, Structure.

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
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:
- Characterized
- Screened
- Identified

% weight and role provided for all substances.

Explanation(s) provided for Residuals/Impurities?
- 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
--- | --- | --- | --- | ---
CROSSVILLE PORCELAIN TILES | FELDSPAR | LT-UNK | RES | LT-UNK
| QUARTZ | LT-1
| CAN TALC | BM-3
| CAN TITANIUM DIOXIDE | LT-1
| CAN END SILICON | LT-UNK
| ZIRCON (Zr(SiO4)) | LT-UNK
| SILICA, VITREOUS | LT-1
| CAN CALCULIUM MAGNESIUM CARBONATE | NOGS
| CHROMIUM IRON OXIDE | LT-P1
| SKI ALUMINUM OXIDE BM-2 | RES
| ZIRCONIUM OXIDE (ZrO2) | LT-P1
| CAN CHROMITE (CHROMITE ORE)
| NOGS CRISTOBALITE (SiO2) | LT-1
| CAN 2-PROPENOIC ACID, HOMOPOLYMOLAR, SODIUM SALT | LT-UNK
| C.I. PIGMENT BROWN 24 | LT-UNK
| CALCIUM OXIDE | LT-P1
| DIETHYLENE GLYCOL | LT-P1
| END RUTILE, SUBSTITUTED: INORGANIC COLOUR PIGMENTS (SYNTHETIC MATERIALS), CHEMICALLY AND THERMICALLY STABLE | NOGS
| WOLLASTONITE | LT-UNK
| REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE | NOGS
| FRTS, CHEMICALS | LT-P1
| MUL NEPHELINE SYENITE | LT-UNK
| C.I. PIGMENT BLUE 72 | LT-1
| RES | CAN | GEN
| C.I. PIGMENT RED 231 | LT-UNK
| ZINC OXIDE | BM-1
| RES | AQU
| MUL POTASSIUM OXIDE (K2O) | LT-UNK
| SODIUM OXIDE | LT-UNK
| CARBONIC ACID, BARIUM SALT (1:1) | LT-UNK
| 1,2,3-PROPANETRIOL | LT-UNK
| KAN
| (Al2O3) | LT-UNK
| MAGNESIUM OXIDE (MGO) | LT-UNK
| CAN

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE
See Section 3 for additional listings.
VOC emissions: Inherently non-emitting source per LEED

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<table>
<thead>
<tr>
<th>Third Party Verified?</th>
<th>PREPARER:</th>
<th>SCREENING DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Self-Prepared</td>
<td>2019-03-18</td>
</tr>
<tr>
<td>Yes</td>
<td>VERIFIER:</td>
<td>PUBLISHED DATE:</td>
</tr>
<tr>
<td>No</td>
<td>VERIFICATION #:</td>
<td>2020-08-21</td>
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<tr>
<td></td>
<td></td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2022-03-18</td>
</tr>
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</table>
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)

### CROSSVILLE PORCELAIN TILES

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 100 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
</table>

**RESIDUALS AND IMPURITIES NOTES:** All residual data was collected from suppliers and those that fall above the reported threshold are included in the product inventory.

**OTHER PRODUCT NOTES:**

#### FELDSPAR

<table>
<thead>
<tr>
<th>ID: 68476-25-5</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18

<table>
<thead>
<tr>
<th>%: 45.0000 - 50.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**RESPIRATORY**

AOEC - Asthmagens  
Asthagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

#### CLAY

<table>
<thead>
<tr>
<th>ID: 1332-58-7</th>
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</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18

<table>
<thead>
<tr>
<th>%: 25.0000 - 40.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**CANCER**

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

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

#### QUARTZ

<table>
<thead>
<tr>
<th>ID: 14808-60-7</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18

<table>
<thead>
<tr>
<th>%: 5.0000 - 20.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**SUBSTANCE NOTES:**

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<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<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>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</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>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>New Zealand - GHS</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<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:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer’s instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

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### TALC

**ID:** 14807-96-6

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18

<table>
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<tr>
<th>%: 0.0000 - 5.0000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Structure component</th>
</tr>
</thead>
</table>

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The expired GreenScreen assessment was performed by ToxServices on 10/16/2014 and can be found at https://www.pharosproject.net/uploads/files/gs/cf33fcf006fda23a2118381e4f09c5f3a83f4485.pdf

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### TITANIUM DIOXIDE

**ID:** 13463-67-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18

<table>
<thead>
<tr>
<th>%: 0.0000 - 5.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Opacifier</th>
</tr>
</thead>
</table>

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<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</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>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</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 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer’s instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

### SILICON

**ID:** 7440-21-3

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

**HAZARD SCREENING DATE:** 2019-03-18

| %: 0.0000 - 1.0000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |

**None found**

**HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS**

**No warnings found on HPD Priority Hazard Lists**

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### ZIRCON (ZR(SIO4))

**ID:** 14940-68-2

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

**HAZARD SCREENING DATE:** 2019-03-18

| %: 0.0000 - 1.0000 | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Opacifier |

**None found**

**HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS**

**No warnings found on HPD Priority Hazard Lists**

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### SILICA, VITREOUS

**ID:** 60676-86-0

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

**HAZARD SCREENING DATE:** 2019-03-18

| %: 0.0000 - 1.0000 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Structure component |

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<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

<table>
<thead>
<tr>
<th>CALCIUM MAGNESIUM CARBONATE</th>
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<tbody>
<tr>
<td>ID: 16389-88-1</td>
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<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-03-18</td>
</tr>
<tr>
<td>%: 0.0000 - 1.0000</td>
</tr>
<tr>
<td>GS: NoGS</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Pigment</td>
</tr>
</tbody>
</table>

None found

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

<table>
<thead>
<tr>
<th>CHROMIUM IRON OXIDE</th>
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<tbody>
<tr>
<td>ID: 12737-27-8</td>
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<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
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<tr>
<td>HAZARD SCREENING DATE: 2019-03-18</td>
</tr>
<tr>
<td>%: 0.0000 - 1.0000</td>
</tr>
<tr>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Pigment</td>
</tr>
</tbody>
</table>

SKIN SENSITIZE MK

Sensitizing Substance Sh - Danger of skin sensitization

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

<table>
<thead>
<tr>
<th>ALUMINUM OXIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID: 1344-28-1</td>
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<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-03-18</td>
</tr>
<tr>
<td>%: 0.0000 - 1.0000</td>
</tr>
<tr>
<td>GS: BM-2</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Abrasion resistance</td>
</tr>
</tbody>
</table>

RESPIRATORY AOE-C - Asthmagens

Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The GreenScreen Assessment was performed by WAP Sustainability on 4/20/2018 and can be found at [https://www.pharosproject.net/uploads/files/gs/8b3e73890ab58b6b19f855a3a79b610080a03ad9.pdf](https://www.pharosproject.net/uploads/files/gs/8b3e73890ab58b6b19f855a3a79b610080a03ad9.pdf).

<table>
<thead>
<tr>
<th>ZIRCONIUM OXIDE (ZRO2)</th>
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</thead>
<tbody>
<tr>
<td>ID: 1314-23-4</td>
</tr>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-03-18</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
### CHROMITE (CHROMITE ORE)

**ID:** 1308-31-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18  
**%:** 0.0000 - 1.0000  
**GS:** NoGS  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Pigment  

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### CRISTOBALITE (SiO2)

**ID:** 14464-46-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-03-18  
**%:** 0.0000 - 1.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Structure component  

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
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<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
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<tr>
<td>CANCER</td>
<td>New Zealand - GHS</td>
<td>6.7A - Known or presumed human carcinogens</td>
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<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:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer’s instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

### 2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT

**ID:** 9003-04-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-03-18

C.I. PIGMENT BROWN 24

ID: 68186-90-3

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CALCIUM OXIDE

ID: 1305-78-8

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

DIETHYLENE GLYCOL

ID: 111-46-6

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

RUTILE, SUBSTITUTED: INORGANIC COLOUR PIGMENTS (SYNTHETIC MATERIALS), CHEMICALLY AND THERMICALLY STABLE

ID: 68186-92-5

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
<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>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wollastonite</td>
<td>13983-17-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-18</td>
<td>0.0000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td>A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.</td>
</tr>
<tr>
<td>Reaction Mass of Fumes, Silica and Diiron Trioxide</td>
<td>1353091-50-5</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-18</td>
<td>0.0000 - 0.1000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>MULTIPLE</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
<tr>
<td>Fruits, Chemicals</td>
<td>65997-18-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-18</td>
<td>0.0000 - 0.1000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>MULTIPLE</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
<tr>
<td>Nepheline Syenite</td>
<td>37244-96-5</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-03-18</td>
<td>None</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>MULTIPLE</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
</tbody>
</table>

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

- GS: NoGS
- RC: None
- NANO: No
- SUBSTANCE ROLE: Pigment

None found

- WARNINGS: No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
### C.I. PIGMENT BLUE 72

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>%: 0.0000 - 0.1000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
Respiratory: AECC - Asthmagens  
Cancer: MAK  
Respiratory: MAK  
Gene Mutation: MAK

**WARNINGS**  
Asthmagens (G) - generally accepted  
Carcinogen Group 2 - Considered to be carcinogenic for man  
Sensitizing Substance Sah - Danger of airway & skin sensitization  
Germ Cell Mutagen 3a

**SUBSTANCE NOTES**  
A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### C.I. PIGMENT RED 231

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>%: 0.0000 - 0.1000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
Respiratory: AECC - Asthmagens

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES**  
A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### ZINC OXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>%: 0.0000 - 0.1000</th>
<th>GS: BM-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
Respiratory: AECC - Asthmagens

**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES**  
A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</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:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The expired GreenScreen Assessment was completed by ToxServices on October 14, 2014 and can be found at [https://www.pharosproject.net/uploads/files/gs/c93f13c5702ed499d3f738803ddfef75c34d57ff3.pdf](https://www.pharosproject.net/uploads/files/gs/c93f13c5702ed499d3f738803ddfef75c34d57ff3.pdf)

### POTASSIUM OXIDE (K2O)

**ID:** 12136-45-7

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

**HAZARD SCREENING DATE:** 2019-03-18

**%:** 0.0000 - 0.1000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Structure component

**WARNINGS:** No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### SODIUM OXIDE

**ID:** 1313-59-3

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

**HAZARD SCREENING DATE:** 2019-03-18

**%:** 0.0000 - 0.1000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Flux

**WARNINGS:** No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

### CARBONIC ACID, BARIUM SALT (1:1)

**ID:** 513-77-9

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

**HAZARD SCREENING DATE:** 2019-03-18

**%:** 0.0000 - 0.1000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Pigment

**WARNINGS:** No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
1,2,3-PROPANETRIOL

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-03-18

%: 0.0000 - 0.1000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Pigment

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

None found

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

KYANITE (Al2O(SiO4))

ID: 1302-76-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2019-03-18

%: 0.0000 - 0.1000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Pigment

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS

None found

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Inherently non-emitting source per LEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-03-18</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>N/A</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.

**VARIOUS INSTALLATION PRODUCTS**

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Crossville recommended products for surface preparation, adhesive systems, grout systems, caulks, sealants, and crack isolation membranes from Ardex, Blanke, BOSTIK, CustomTech, LATICRETE, Mapei, and TEC and can be found at https://www.crossvilleinc.com/Resources/Library?categories=installation%20guide.

Section 5: General Notes

This HPD represents an average product from Crossville covering all potential colors, styles, and sizes.
### MANUFACTURER INFORMATION

**MANUFACTURER:** Crossville Inc.  
**ADDRESS:** 349 Sweeney Drive  
Crossville TN 38555, USA  
**WEBSITE:** [https://crossvilleinc.com](https://crossvilleinc.com)

**CONTACT NAME:** Noah Chitty  
**TITLE:** Director of Technical Services  
**PHONE:** 865-244-0807  
**EMAIL:** nchitty@crossvilleinc.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

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms</th>
<th>Inventory Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td></td>
<td></td>
<td></td>
<td>Nested Method / Material Threshold</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td></td>
<td></td>
<td></td>
<td>Nested Method / Product Threshold</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td></td>
<td></td>
<td></td>
<td>Basic Method / Product Threshold</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td></td>
<td></td>
<td></td>
<td>Nano</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td></td>
<td></td>
<td></td>
<td>Third Party Verified</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td></td>
<td></td>
<td></td>
<td>Preparer</td>
</tr>
<tr>
<td>GLO Global warming</td>
<td></td>
<td></td>
<td></td>
<td>Applicable facilities</td>
</tr>
<tr>
<td>LAN Land toxicity</td>
<td>LT-1 List Translator 1 (Likely Benchmark-1)</td>
<td>PreC Pre-consumer recycled content</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
<td></td>
</tr>
<tr>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>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.)</td>
<td>PostC Post-consumer recycled content</td>
<td>Inventory Methods:</td>
<td></td>
</tr>
<tr>
<td>MUL Multiple</td>
<td></td>
<td>UNK Inclusion of recycled content is unknown</td>
<td>Nested Method / Material Threshold Substances listed within each material per threshold indicated per material</td>
<td></td>
</tr>
<tr>
<td>NEU Neurotoxicity</td>
<td></td>
<td>None Does not include recycled content</td>
<td>Nested Method / Product Threshold Substances listed within each material per threshold indicated per product</td>
<td></td>
</tr>
<tr>
<td>NF Not found on Priority Hazard Lists</td>
<td></td>
<td></td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
<td></td>
</tr>
<tr>
<td>OZO Ozone depletion</td>
<td></td>
<td></td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
<td></td>
</tr>
<tr>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td></td>
<td></td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
<td></td>
</tr>
<tr>
<td>PHY Physical hazard (flammable or reactive)</td>
<td></td>
<td></td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
<td></td>
</tr>
<tr>
<td>REP Reproductive</td>
<td></td>
<td></td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
<td></td>
</tr>
<tr>
<td>RES Respiratory sensitization</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKI Skin sensitization/irritation/corrosivity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNK Unknown</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.