Daltile Brand ceramic tile products are made using a high temperature kiln-firing process. For purposes of this HPD, the term “ceramic” encompasses all types of tile products manufactured by Dal-Tile Corporation; ceramic, porcelain, and quarry. The individual ingredients used to formulate the tile product (water and mineral-based naturally occurring materials) undergo both physical and chemical reactions that form the final fired tile product. Ceramic tile is fire resistant, durable (lasts a lifetime) and extremely easy to maintain. As floor and wall coverings, ceramic tile products provide dual functions. They serve 1) an aesthetic function as a design component, and 2) a technical function as a building finishing material. As a building material, ceramic tile is capable of withstanding a wide range of environmental stresses (non-flammable, heat/cold resistant, and provides a moisture barrier). The versatility of ceramic tile is further enhanced by the extensive ranges of colors, textures, and decorative motifs offered by Dal-Tile under multiple brand names. Tile products are available in a wide range of sizes from less than 1" x 1" to more than 24" x 24". Information on Daltile Brand tile products can be found on the following website: http://www.daltile.com SDSs and ASTM testing data can be found at: http://products.daltile.com/msdsastm.cfm This Health Product Declaration is representative of all Daltile brand tile series manufactured in the following locations: Dickson, TN; El Paso, TX; Fayette AL; Florence, AL; Gettysburg, PA; Lewisport, KY; Mexicali, Mexico; Monterrey, Mexico; Muskogee, OK; Salamanca, Mexico; Sunnyvale, TX Product manufacturing locations can be verified online at www.daltile.com within each series webpage.

### CONTENT INVENTORY

**Nested Materials Method**

**Basic Method**

**Threshold Disclosed Per**

- **Material**
- **Product**

<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>
</tbody>
</table>

**Residuals/Impurities**

- **Characterized**
- **Screened**
- **Identified**

**Explanation(s) provided for Residuals/Impurities?**

- **Yes**
- **No**

**Contents highest concern GreenScreen Benchmark or List translator Score**

- **BM-1**

**Nanomaterial**

- **No**

**INVENTORY AND SCREENING NOTES:**

"Ceramic" is regarded as a special condition by HPD Collaborative and not screened. Ceramic tile is considered one component resulting from the reactions inside the high temperature kiln-firing process. No warnings or hazards are associated with the final, finished product.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE

- VOC emissions: Inherently non-emitting source per LEED
- Multi-attribute: Environmental Product Declaration (EPD) by NSF

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

DALTILE BRANDED TILE PRODUCTS MANUFACTURED

PRODUCT THRESHOLD: 100 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain.

OTHER PRODUCT NOTES: During the manufacturing process a combination of intensely high pressure and very high firing techniques create a chemical and physical change in these materials converting these hazards into a benign, fully vitrified porcelain tile product.

KAOLIN CLAY

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-09-02

%: 20.0000 - 55.0000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Ceramic body

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
CANCER
MAK
Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.

NEPHELINE SYENITE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-09-02

%: 0.0000 - 50.0000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Ceramic body

HAZARD TYPE
AGENCY AND LIST TITLES
WARNINGS
None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.

TALC

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-09-02

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.
### Feldspar

**ID:** 68476-25-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-02  
**%:** 0.0000 - 15.0000  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Ceramic body  

<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 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2b - Possibly carcinogenic to humans</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.

### Mica (Mica (Biotite))

**ID:** 12001-26-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-02  
**%:** 0.0000 - 5.0000  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Ceramic body  

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOECC - Asthmagens</td>
<td>Asthagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.

### Quartz

**ID:** 14808-60-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-09-02  
**%:** 0.0000 - 30.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Ceramic body  

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
</table>

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer.
<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 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>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing ONLY. It is NOT associated with the end use of the final fired product that is purchased, installed, and used by the customer.
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>Dickson, TN; El Paso, TX; Fayette AL; Florence, AL; Gettysburg, PA; Lewisport, KY; Mexicali, Mexico; Monterrey, Mexico; Muskogee, OK; Salamanca, Mexico; Sunnyvale, TX</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-09-02</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Director-Environmental, Health &amp; Sustainability</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Inherently non-emitting source per LEED</td>
</tr>
</tbody>
</table>

**MULTI-ATTRIBUTE**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Dickson, TN; El Paso, TX; Fayette AL; Florence, AL; Gettysburg, PA; Lewisport, KY; Mexicali, Mexico; Monterrey, Mexico; Muskogee, OK; Salamanca, Mexico; Sunnyvale, TX</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-05-17</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2024-05-17</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>NSF International</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></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.

**ADHESIVE**

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>No HPD Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</td>
<td>Accessory materials required for all installations. VOC content of the adhesive and/or grout varies depending on the type and brand chosen.</td>
</tr>
</tbody>
</table>

Section 5: General Notes

Mohawk Corporation - Dal-Tile's Parent Company, has published a LEED compliant Corporate Sustainability Report. This document can be found at the following website: http://mohawksustainability.com/
**MANUFACTURER INFORMATION**

**MANUFACTURER:** Dal-Tile Corporation  
**ADDRESS:** 7834 CF Hawn Freeway  
Dallas TX 75217, United States  
**WEBSITE:** www.daltile.com

**CONTACT NAME:** Robert Hurt  
**TITLE:** Director-EHS  
**PHONE:** 214-309-4891  
**EMAIL:** bob.hurt@daltile.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>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td></td>
<td>PreC Pre-consumer recycled content</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td></td>
<td>PostC Post-consumer recycled content</td>
<td>Inventory Methods:</td>
</tr>
<tr>
<td>DEV Developmental toxicity</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>
</tr>
<tr>
<td>END Endocrine activity</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>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td></td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td></td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
<td></td>
</tr>
<tr>
<td>GLO Global warming</td>
<td></td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
<td></td>
</tr>
</tbody>
</table>

**Other Terms:**

- **GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet
- **Inventory Methods:**
  - Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
  - Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
  - Basic Method / Product Threshold Substances listed individually per threshold indicated per product
- **Nano** Composed of nano scale particles or nanotechnology
- **Third Party Verified** Verification by independent certifier approved by HPDC
- **Preparer** Third party preparer, if not self-prepared by manufacturer
- **Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.