Mohawk Hard Surfaces 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 Mohawk Hard Surfaces Brand tile products can be found on the following website: https://www.mohawkflooring.com/ This Health Product Declaration is representative of all Mohawk Hard Surfaces brand tile series manufactured in the following locations: Dickson, TN; El Paso, TX; Fayette AL; Florence, AL; Gettysburg, PA; Lewisport, KY; Mexicali, MEX; Monterrey, MEX; Muskogee, OK; Salamanca, MEX; Sunnyvale, TX

Section 1: Summary

Basic Method / Product Threshold

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
--- | --- | --- | --- | ---
MOHAWK HARD SURFACES TILE PRODUCTS MANUFACTURED | KAOLIN CLAY LT-UNK | CAN | NEPHELINE SYENITE LT-UNK | TALC BM-1 | CAN
FELDSPAR LT-UNK | RES | MICA (MICA (BIOTITE)) LT-UNK | QUARTZ LT-1 | CAN

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

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed

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.
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)

### MOHAWK HARD SURFACES 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

**ID:** 1332-58-7

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

**HAZARD SCREENING DATE:** 2018-05-02

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 55.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Ceramic body</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **CANCER**
  - **AGENCY AND LIST TITLES**
  - **WARNINGS**
  - 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

**ID:** 37244-96-5

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

**HAZARD SCREENING DATE:** 2018-05-02

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0000 - 50.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Ceramic body</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

- **CANCER**
  - **AGENCY AND LIST TITLES**
  - **WARNINGS**
  - 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>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>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TALC</td>
<td>14807-96-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2018-05-02</td>
<td>0.0000 - 40.0000</td>
<td>BM-1</td>
<td>None</td>
<td>No</td>
<td>Ceramic body</td>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>FELDSPAR</td>
<td>LT-UNK</td>
<td>None found</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>MICA (BIOTITE)</td>
<td>LT-UNK</td>
<td>None found</td>
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<td></td>
<td></td>
<td></td>
<td>QUARTZ</td>
<td>LT-1</td>
<td>None found</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
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</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>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
<td></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>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350 - May cause cancer</td>
<td></td>
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</tr>
<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
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</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.
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>Inherently non-emitting source per LEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES:
Dickson, TN; El Paso, TX; Fayette AL; Florence, AL; Gettysburg, PA; Lewisport, KY; Mexicali, MEX; Monterrey, MEX; Muskogee, OK; Salamanca, MEX; Sunnyvale, TX

CERTIFICATE URL:

CERTIFIER OR LAB: Director-EHS

ISSUE DATE: 2020-09-02

EXPIRY DATE:

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

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Accessory materials required for all installations. VOC content of the adhesive and/or grout varies depending on the type and brand chosen.

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

Hazard Types
AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)
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.)
NoGS No GreenScreen.

Recycled Types
PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

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.