Section 1: Summary

### CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold Level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td></td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td></td>
<td>Per OSHA MSDS</td>
<td></td>
<td>Yes Ex/SC</td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td>Yes Ex/SC</td>
</tr>
</tbody>
</table>

### 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 | GREENSCREEN SCORE | HAZARD TYPE | Number of GreenScreen® BM-4/BM-3 contents: 0**

- CALCIUM CARBONATE LT-UNK
- POLYVINYL CHLORIDE LT-P1 RES
- CAN; VINYL CHLORIDE-VINYL ACETATE COPOLYMERS LT-UNK
- DI(2-ETHYLHEXYL) TEREPHTHALATE LT-UNK
- CALCIUM HYDROXIDE (CA(OH)2) LT-P1

**CONTENT AND SCREENING NOTES**

Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

**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: FloorScore®
- LCA: Industry-Wide Environmental Product Declaration

**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
- Basic 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

**NATURAL CREATIONS® WITH DIAMOND10® TECHNOLOGY**

<table>
<thead>
<tr>
<th>Component</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (Limestone)</td>
<td>1317-65-3</td>
<td>60-65</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Filler</td>
</tr>
<tr>
<td>Polyvinyl Chloride</td>
<td>9002-86-2</td>
<td>15-18</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
</tr>
<tr>
<td>Vinyl Chloride-Vinyl Acetate Copolymers</td>
<td>9003-22-9</td>
<td>15-18</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
</tr>
<tr>
<td>Di(2-Ethylhexyl) Terephtalate</td>
<td>6422-86-2</td>
<td>5-8</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Plasticizer</td>
</tr>
<tr>
<td>Calcium Hydroxide (Ca(OH)2)</td>
<td>1305-62-0</td>
<td>&lt; 1</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>
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: Third Party</th>
<th>FloorScore®</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISSUE DATE: September 1 2019</td>
<td>CERTIFYING PARTY: Third Party</td>
</tr>
<tr>
<td>EXPIRY DATE: August 31 2020</td>
<td>ISSUE DATE: September 1 2019</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Lancaster PA</td>
<td>CERTIFIER OR LAB: SCS Global Services</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: https://www.armstrongflooring.com/pdbupimages-flr/220311.pdf

CERTIFICATE AND COMPLIANCE NOTES:

LCA

<table>
<thead>
<tr>
<th>CERTIFYING PARTY: Third Party</th>
<th>Industry-Wide Environmental Product Declaration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISSUE DATE: January 1 2019</td>
<td>CERTIFYING PARTY: Third Party</td>
</tr>
<tr>
<td>EXPIRY DATE: January 1 2024</td>
<td>ISSUE DATE: January 1 2019</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Lancaster PA</td>
<td>CERTIFIER OR LAB: UL Environment</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: |

CERTIFICATE AND COMPLIANCE NOTES:
This environmental product declaration is provided by members of the Resilient Floor Covering Institute (RFCI). This declaration for vinyl tile covers a broad range of styles and colors produced by RFCI manufacturers of this flooring product.

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.

Adhesives Recommended for Installation

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Spread Adhesives: S-288 Premium, S-240 Epoxy, S-310 Roll Strong™, S-980, S-1000</td>
</tr>
</tbody>
</table>

See www.armstrongflooring.com for more information.
Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information Armstrong Flooring expresses no opinion and makes no representations as to the applicability suitability accuracy or completeness of the declaration form or the standards rules classifications warnings or criteria utilized or referenced therein. Information herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongflooring.com as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong Flooring website for more information on this product.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong Flooring Inc.
ADDRESS: 1067 Dillerville Road Lancaster PENNSYLVANIA 17603 United States
CONTACT NAME: TechLine
TITLE: Customer Service
PHONE: 1-888-276-7876
EMAIL: fpotechline@armstrongflooring.com
WEBSITE: www.armstrongflooring.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)
RES Respiratory sensitization
SKI Skin sensitization/ Irritation/corrosivity
L≠N 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 nanoscale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

NATURAL CREATIONS® with Diamond10® Technology - Luxury Vinyl Tile

HPD 2.1.1 created via Toxnot
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 v2.1.1 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.