## Section 1: Summary

### Basic Method/Product Threshold

#### 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 Yes No weight and role provided for all substances</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td></td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
<td>Not Considered</td>
<td></td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>LT-UNK</td>
<td>RECYCLED STREAMS NOGS</td>
<td>POLYVINYL CHLORIDE LT-P1</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.

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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### CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings

- VOC content: FloorScore®
- LCA: Environmental Product Declaration

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

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<table>
<thead>
<tr>
<th>Third Party Verified?</th>
<th>PREPARER: Self-Prepared</th>
<th>SCREENING DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>VERIFIER:</td>
<td>PUBLISHED DATE:</td>
</tr>
<tr>
<td>No</td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE:</td>
</tr>
</tbody>
</table>

---

VINYL COMPOSITION TILE (VCT) - COMMERCIAL TILE

CLASSIFICATION: 09-65-00

PRODUCT DESCRIPTION: THIS PRODUCT SETS THE INDUSTRY STANDARD FOR VCT IN QUALITY AND VALUE WITH TRUE-COLOR AND PATTERN CONSTRUCTION BACKED BY DECADES OF PROVEN PERFORMANCE.
**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)

### VINYL COMPOSITION TILE (VCT)

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Considered  
**RESIDUAL/IMPURITIES NOTES:** Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.  
**OTHER PRODUCT NOTES:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>ID: 1317-65-3</td>
<td>80-85</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Filler</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>RECYCLED STREAMS</td>
<td>ID: NO RN</td>
<td>5-15</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>POLYVINYL CHLORIDE</td>
<td>ID: 9002-86-2</td>
<td>5-8</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>VINYL CHLORIDE-VINYL ACETATE COPOLYMERS</td>
<td>ID: 9003-22-9</td>
<td>5-8</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>BLENDED DIBENZOATES</td>
<td>ID: 21738-31-4</td>
<td>3-6</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Plasticizer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>ID</td>
<td>%:</td>
<td>GS</td>
<td>RC</td>
<td>NANO</td>
<td>ROLE</td>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>-----------</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>------</td>
<td>------</td>
<td>-------------</td>
<td>---------------------</td>
<td>----------</td>
</tr>
<tr>
<td>DI(2-ETHYLHEXYL) TEREPHTHALATE</td>
<td>6422-86-2</td>
<td>1-2</td>
<td>LT-UNK</td>
<td>None</td>
<td>UNK</td>
<td>Plasticizer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>14-BENZENEDICARBOXYLIC ACID 14-DIBUTYL ESTER</td>
<td>1962-75-0</td>
<td>&lt; 1</td>
<td>NoGS</td>
<td>None</td>
<td>UNK</td>
<td>Plasticizer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td>Only VCT produced in our Jackson, Mississippi facility contains this component.</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>0.5-1</td>
<td>LT</td>
<td>None</td>
<td>UNK</td>
<td>Pigment</td>
<td>CAN</td>
<td>CA EPA - Prop 65</td>
<td>Cancer</td>
</tr>
<tr>
<td>AMORPHOUS SILICA</td>
<td>7631-86-9</td>
<td>&lt; 0.1</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Filler</td>
<td>CAN</td>
<td>Australia - GHS</td>
<td>Specific target organ toxicity (repeated exposure) – category 1</td>
</tr>
<tr>
<td>CALCIUM HYDROXIDE (CA(OH)2)</td>
<td>1305-62-0</td>
<td>&lt; 0.1</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Stabilizer</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td></td>
</tr>
<tr>
<td>VARIOUS COLORED PIGMENTS</td>
<td>NO RN</td>
<td>&lt; 0.1</td>
<td>NoGS</td>
<td>None</td>
<td>UNK</td>
<td>Pigment</td>
<td>None Found</td>
<td>No warnings found on HPD Priority Lists</td>
<td>Pigment content varies according to SKU.</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 CONTENT

| CERTIFYING PARTY: Third Party | ISSUE DATE: September 1 2019 |
| EXPIRY DATE: August 31 2020 | CERTIFIER OR LAB: SCS Global Services |
| APPLICABLE FACILITIES: Jackson MS; South Gate CA; Kankakee IL |
| CERTIFICATE URL: https://www.armstrongflooring.com/pdbupimages-flr/220313.pdf |

FloorScore®

| CERTIFYING PARTY: Third Party | ISSUE DATE: January 1 2019 |
| EXPIRY DATE: January 1 2024 | CERTIFIER OR LAB: UL Environment |
| APPLICABLE FACILITIES: Jackson MS; South Gate CA; Kankakee IL |
| CERTIFICATE URL: https://www.armstrongflooring.com/pdbupimages-flr/220487.pdf |

CERTIFICATE AND COMPLIANCE NOTES:
The Resilient Floor Covering Institute (RFCI) is an industry trade association of leading resilient flooring manufacturers. This declaration for vinyl composition tile covers a broad range of styles and colors produced by the RFCI manufacturers of this flooring product. The EPD is intended to represent an industry average.

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 include the following:

Full Spread Adhesives S-515, S-525, S-700, S-750 & S-240,
Flip® Spray Adhesive

Vinyl Composition Tile (VCT) - Commercial Tile
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: 1401 N Hobbie Ave
Kankakee, IL 60901
United States of America

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  GLO Global warming  PHY Physical Hazard (reactive)
CAN Cancer  MAM Mammalian/systemic/ organ toxicity  REP Reproductive toxicity
DEV Developmental toxicity  MUL Multiple hazards  RES Respiratory sensitization
END Endocrine activity  NEU Neurotoxicity  SKI Skin sensitization/
   Irritation/corrosivity
EYE Eye irritation/corrosivity  OZO Ozone depletion  LAN Land toxicity
GEN Gene mutation  PBT Persistent Bioaccumulative Toxic  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
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.

Vinyl Composition Tile (VCT) - Commercial Tile
HPD 2.1.1 created via Toxnot