Luxury Vinyl Tile (LVT) - Commercial by Armstrong Flooring Inc.

Health Product Declaration v2.1.1

CLASSIFICATION: 09 65 00

PRODUCT DESCRIPTION: Our luxury vinyl tile creates stunning floors that are meticulously designed to look like hardwood or stone and built to endure the busiest lifestyles.

Section 1: Summary

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
- Per OSHA MSDS
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?
- Yes
- No

All Substances Above the Threshold Indicated Are:
- Characterized
- Yes Ex/SC
- Yes
- No

% weight and role provided for all substances

Screened
- Yes Ex/SC
- Yes
- No

Screened using Priority Hazard Lists with results disclosed

Identified
- Yes Ex/SC
- Yes
- No

Disclosed by Name (Specific or Generic) and identifier

SC = Special Condition (See Notes)

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;

CALCIUM CARBONATE LT-UNK; POLYVINYL CHLORIDE LT-P1 CAN | RES; DI(2-ETHYLHEXYL) TEREPTHALATE LT-UNK; CALCIUM HYDROXIDE (CA(OH)2) LT-P1;

Number of GreenScreen® BM-4/BM-3 contents: 0

Contents highest concern GreenScreen® Benchmark or List Translator Score: LT - P1

Nanomaterial: No contents are characterized as a nanomaterial

INVENTORY 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®

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

PREPARATOR: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE:

PUBLISHED DATE: Not published on the HPDC repository

EXPIRY DATE: Not published on the HPDC repository

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HPD 2.1.1 created via Toxnot

Page 1 of 4
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)

### LUXURY VINYL TILE (LVT)

**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>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE (Limestone)</td>
<td>1317-65-3</td>
<td>55-60</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>
<td></td>
</tr>
<tr>
<td>POLYVINYL CHLORIDE</td>
<td>9002-86-2</td>
<td>25-35</td>
<td>LT-P1</td>
<td>None</td>
<td>UNK</td>
<td>Binder</td>
<td>CAN: MAK</td>
<td>AOEC - Asthmagens</td>
<td>Rs</td>
<td></td>
</tr>
<tr>
<td>DI(2-ETHYLHEXYL) TEREPHTHALATE</td>
<td>6422-86-2</td>
<td>5-8</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>
<td></td>
</tr>
<tr>
<td>CALCIUM HYDROXIDE (CA(OH)2)</td>
<td>1305-62-0</td>
<td>1-2</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>
<td></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 Part</th>
<th>FloorScore®</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPIRY DATE: September 1 2019</td>
<td>ISSUE DATE: August 31 2020</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: All Manufacturing Facilities</td>
<td>CERTIFIER OR LAB: SCS Global Services</td>
</tr>
</tbody>
</table>

CERTIFICATE URL: https://www.armstrongflooring.com/pdbupimages-flr/220525.pdf

CERTIFICATE AND COMPLIANCE NOTES:

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>
</table>

Full-Spread Adhesives: S-288 Premium, S-240 Epoxy, S-310 Roll Strong™, S-543 High-Moisture

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.
MANUFACTURER INFORMATION

MANUFACTURER: Armstrong Flooring Inc.
ADDRESS: 2500 Columbia Ave Lancaster Pennsylvania 17604 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

<table>
<thead>
<tr>
<th>AQU</th>
<th>Aquatic toxicity</th>
<th>GLO</th>
<th>Global warming</th>
<th>PHY</th>
<th>Physical Hazard (reactive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>Cancer</td>
<td>MAM</td>
<td>Mammalian/systemic/ organ toxicity</td>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
<td>MUL</td>
<td>Multiple hazards</td>
<td>RES</td>
<td>Respiratory sensitzation</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
<td>NEU</td>
<td>Neurotoxicity</td>
<td>SKI</td>
<td>Skin sensitization/ Irritation/corrosivity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
<td>OZO</td>
<td>Ozone depletion</td>
<td>LAN</td>
<td>Land toxicity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

GreenScreen (GS)

| BM-4 | Benchmark-4 (prefer – safer chemical) | LT-P1 | List Translator Possible Benchmark 1 |
| BM-3 | Benchmark-3 (use but still opportunity for improvement) | LT-1 | List Translator Likely Benchmark 1 |
| BM-2 | Benchmark-2 (use but search for safer substitutes) | LT-UNK | List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| BM-1 | Benchmark-1 (avoid – chemical of high concern) | 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

| 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 |

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

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.

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