Aquaflex Resilient Tile - LVT
by Aquaflex Inc

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 20571
CLASSIFICATION: 096500

PRODUCT DESCRIPTION: A waterproof glue-down LVT designed for the patented Aquaflex waterproof installation system. Aquaflex was the first to invent, patent and manufacture a completely waterproof installation system. As a natural evolution, Aquaflex has focused on improving the backing material chemistry in order to enhance waterproof bonding characteristics. Aquaflex Resilient Floor - LVT is the product of that development effort.

Section 1: Summary

Basic Method / Product Threshold

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
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

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
  - All substances screened using Priority Hazard Lists with results disclosed.

- Identified
  - Yes Ex/SC
  - Yes No
  - All substances disclosed by Name (Specific or Generic) and Identifier.

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
---|---|---|---|---
AQUAFLEX RESILIENT TILE - LVT | CALCIUM CARBONATE | BM-3 | POLYVINYL CHLORIDE | LT-P1 | BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg | EPOXIDIZED SOYBEAN OIL | LT-UNK | ZINC STEARATE | 1,6-HEXANEDIOL DIACRYLATE | LT-P1 | SKI | EYE |
MUL | CALCIUM STEARATE | LT-UNK | DIPROPYLENE GLYCOL DIACRYLATE | LT-UNK | 2-(METHACRYLOYLOXY)ETHANOL | PRIMARY CASRN IS 868-77-9 | LT-UNK | SKI | EYE |
MUL | GLASS / MINERAL FIBER | LT-UNK | POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-((1-OXO-2-PROPEN-1-YL)OXY) | LT-P1 | AQU | EYE | MUL |
MUL | GLASS / MINERAL FIBER | LT-UNK | POLY(2,4,6-TRIMETHYL)BENZOYL DIPHENYLPHOSPHINE OXIDE | LT-P1 | REP | MUL |

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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: CHPS High Performance Products Database - Low Emitting Material
VOC emissions: FloorScore® Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0
Other: Phthalate Analysis
Other: ASTM F2199 - Dimensional Stability

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2
<table>
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<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td>PUBLISHED DATE: 2020-06-12</td>
</tr>
<tr>
<td>No</td>
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VERIFIER:
VERIFICATION #: 
SCREENING DATE: 2020-06-11
PUBLISHED DATE: 2020-06-12
EXPIRY DATE: 2023-06-11

Aquaflex Resilient Tile - LVT
hpdrepository.hpd-collaborative.org
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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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

### AQUAFLEX RESILIENT TILE - LVT

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Polyvinyl chloride (PVC) is produced from vinyl chloride monomer (VCM) through a process known as polymerization, where VCM is transformed into a white powder called PVC resin. Polymerization is a one-way reaction that has the same effect as frying an egg: once it is fried, it cannot change back. As a result, PVC resin does not revert back to VCM. Not only does Aquaflex Resilient Flooring - LVT meet the requirements set by the EPA and by NSF Standard 61, but it consistently tests “Non-Detect” for vinyl chloride monomer per the Agency for Toxic Substances and Disease Registry.

**OTHER PRODUCT NOTES:** None

### CALCIUM CARBONATE

**ID:** 471-34-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11

<table>
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<tr>
<th>%</th>
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<th>NANO</th>
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</thead>
<tbody>
<tr>
<td>64.5000 - 64.5000</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
No warnings found on HPD Priority Hazard Lists

**WARNINGS**

**SUBSTANCE NOTES:** Naturally occurring both geologically (limestone rock, marble) and biologically (egg shell and sea shells of marine organisms).

### POLYVINYL CHLORIDE

**ID:** 9002-86-2

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11

<table>
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<th>%</th>
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<th>SUBSTANCE ROLE</th>
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</thead>
<tbody>
<tr>
<td>24.8000 - 24.8000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Polymer species</td>
</tr>
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</table>

**HAZARD TYPE**  
RESPIRATORY

**AGENCY AND LIST TITLES**  
AOEC - Asthmagens

**WARNINGS**

**SUBSTANCE NOTES:** Virgin PVC formulation means all ingredients of formulation are known and requires no need for this HPD to have an “undisclosed” % content of an otherwise embarrassing chemical raw material such as toxic heavy metals or phthalate plasticizer. Virgin PVC formulation also contributes to better dimensional stability performance of the product as demonstrated per ASTM F2199 for shrinkage and curling performance.
**BIS(2-ETHYLHEXYL) TEREPHTHALATE**

**ID:** 6422-86-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11  
**%:** 9.5000 - 9.5000  
**GS:** BM-3dg  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Plasticizer  

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
None found | | No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** DOTP plasticizer permits classification in "phthalate free" LVT products. See Independent test report. DOTP (also referred to as DEHT) is a general purpose "non-phthalate" plasticizer considered safer than ortho-phthalate plasticizers due to its excellent toxicological profile. Terephthalates exhibit none of the peroxisome proliferation of liver enzymes that some ortho-phthalates have shown in several studies.

**EPOXIDIZED SOYBEAN OIL**  
**ID:** 8013-07-8  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11  
**%:** 0.6000 - 0.6000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Stabilizer  

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
None found | | No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** ESBO is manufactured from soybean oil through the process of epoxidation.

**ZINC STEARATE**  
**ID:** 557-05-1  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11  
**%:** 0.3000 - 0.3000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Stabilizer  

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
---|---|---
None found | | No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Zinc stearate is a “zinc soap” that is widely used industrially. In this context, soap is used in its formal sense, a metal "salt" of a fatty acid. It is a white solid that repels water.

**1,6-HEXANEDIOL DIACRYLATE**  
**ID:** 13048-33-4  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11  
**%:** 0.1000 - 0.1000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Curing agent
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.

### Calcium Stearate

**ID:** 1592-23-0

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

**HAZARD SCREENING DATE:** 2020-06-11

<table>
<thead>
<tr>
<th>%</th>
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<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1000 - 0.1000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Calcium stearate is a carboxylate of calcium, classified as a calcium soap. It is a component of some lubricants, surfactants, as well as many foodstuffs. It is a white waxy powder.

### Dipropylene Glycol Diacrylate

**ID:** 57472-68-1

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

**HAZARD SCREENING DATE:** 2020-06-11

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1000 - 0.1000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Monomer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.

### 2-(Methacryloyloxy)Ethanol (Primary CASRN IS 868-77-9)

**ID:** 141668-69-1

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

**HAZARD SCREENING DATE:** 2020-06-11

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1000 - 0.1000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Monomer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.
### TRIMETHYLOLPROPANE TRIACRYLATE
**ID:** 15625-89-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.

### TRIPROPYLENE GLYCOL DIACRYLATE
**ID:** 42978-66-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-11

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2b - Possibly carcinogenic to humans</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.
### Glass / Mineral Fiber (Post-consumer Recycled)

**ID:** 65997-17-3  

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
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</thead>
<tbody>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H411 - Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Used in PUR coating formulation.

### Poly(oxy(methyl-1,2-ethanediyl), alpha, alpha'-(2,2-dimethyl-1,3-propanediyl)bis(omega-((1-oxo-2-propen-1-yl)oxy))

**ID:** 84170-74-1

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-11</th>
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<tbody>
<tr>
<td>%: 0.0100 - 0.0500</td>
<td>GS: LT-P1</td>
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<td></td>
<td>RC: None</td>
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<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Abrasion resistance</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
MULTIPLE  
German FEA - Substances Hazardous to Waters  
Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Used in PUR coating formulation.

### Benzoyl Isopropanol

**ID:** 7473-98-5

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-06-11</th>
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<tbody>
<tr>
<td>%: 0.0100 - 0.0500</td>
<td>GS: LT-UNK</td>
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<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Photoinitiator</td>
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</tbody>
</table>

**HAZARD TYPE**  
None found

**SUBSTANCE ROLE:** Photoinitiator

**SUBSTANCE NOTES:** Used in PUR coating formulation.

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| SUBSTANCE NOTES: Used in PUR coating formulation. |

# 2,4,6-TRIMETHYLBENZOYL DIPHENYLPHOSPHINE OXIDE

**ID:** 75980-60-8

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-06-11 |

| %: 0.0100 - 0.0500 | GS: LT-P1 | RC: None | NANO: No | SUBSTANCE ROLE: Catalyst |

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
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</thead>
<tbody>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - GHS (H-Statements)</td>
<td>H361f - Suspected of damaging fertility</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
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</table>

| SUBSTANCE NOTES: Used in PUR coating formulation. |
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

**CHPS High Performance Products Database - Low Emitting Material**

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<th>ISSUE DATE:</th>
<th>2019-09-26</th>
<th>EXPIRY DATE:</th>
<th>2020-12-31</th>
<th>CERTIFIER OR LAB:</th>
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</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

**VOC EMISSIONS**

**FloorScore® Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0**

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<thead>
<tr>
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<th>2019-03-18</th>
<th>CERTIFIER OR LAB:</th>
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<td><a href="https://www.dropbox.com/s/th3ps8osvwlm1w9/t-Aquaflex_FloorScore%20Cert_2019.pdf?dl=0">https://www.dropbox.com/s/th3ps8osvwlm1w9/t-Aquaflex_FloorScore%20Cert_2019.pdf?dl=0</a></td>
<td></td>
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**CERTIFICATION AND COMPLIANCE NOTES:** Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom, private office, and single-family residence parameters when modeled as Flooring. Also, conforms to the SCAQMD Rule 1168 - Adhesive and Sealants (January 2005); Hong Kong Air Pollution Control (VOC) Regulation.

### OTHER

**Phthalate Analysis**

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<tr>
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<th>ISSUE DATE:</th>
<th>2015-06-05</th>
<th>CERTIFIER OR LAB:</th>
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</table>

**CERTIFICATION AND COMPLIANCE NOTES:** Declared phthalate FREE.

### OTHER

**ASTM F2199 - Dimensional Stability**

<table>
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</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** This test method covers the determination of the change in linear dimensions of resilient floor tile/plank products after exposure to heat and reconditioning to ambient temperature.

### OTHER

**ASTM E90, ASTM E492 and ASTM E2179 - Acoustic Properties**

| CERTIFYING PARTY: | Third Party | CERTIFIER OR LAB: | |
|-------------------|-------------|-------------------| |
| APPLICABLE FACILITIES: | All | |
| CERTIFICATE URL: | [https://www.dropbox.com/s/xgmgvljt1341qq0/t-ASTM%20F2199-09.pdf?dl=0](https://www.dropbox.com/s/xgmgvljt1341qq0/t-ASTM%20F2199-09.pdf?dl=0) | |
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.

AQUAFLEX ADHESIVE
HPD URL: https://www.dropbox.com/s/65u30hrmlse516q/t-Aquaflex.pdf?dl=0

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Aquaflex Resilient Flooring - LVT combined with the Aquaflex Installation System (Adhesive + Patch & Skim) provide for a one-manufacturer/one-warranty guarantee of performance to UNLIMITED concrete and topical moisture/pH exposure. No moisture testing required. No moisture mitigation. Acoustic properties built-in. Moisture vapor barrier properties built-in. The complete Aquaflex solution is the first time a flooring material was designed to marry an existing patented waterproof installation system. A complete reverse product development process versus industry standard.

AQUAFLEX PATCH & SKIM
HPD URL: https://www.dropbox.com/s/yzwfuvct8wwd2wi/t-Aquaflex_Patch%26Skim.pdf?dl=0

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Aquaflex Resilient Flooring - LVT combined with the Aquaflex Installation System (Adhesive + Patch & Skim) provide for a one-manufacturer/one-warranty guarantee of performance to UNLIMITED concrete and topical moisture/pH exposure. No moisture testing required. No moisture mitigation. Acoustic properties built-in. Moisture vapor barrier properties built-in. The complete Aquaflex solution is the first time a flooring material was designed to marry an existing patented waterproof installation system. A complete reverse product development process versus industry standard.

Section 5: General Notes
## MANUFACTURER INFORMATION

**MANUFACTURER:** Aquaflex Inc  
**ADDRESS:** 1790 Boyd St, Santa Ana, California 92705, United States  
**WEBSITE:** [https://aquaflexinc.com/](https://aquaflexinc.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>LAN Land toxicity</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>MAM Mammalian/systemic/organ toxicity</td>
<td>PostC Post-consumer recycled content</td>
<td>Inventory Methods:</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple</td>
<td>UNK Inclusion of recycled content is unknown</td>
<td>Nested Method / Material Threshold</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>None Does not include recycled content</td>
<td>Substances listed within each material per threshold indicated per material</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>NF Not found on Priority Hazard Lists</td>
<td>Other Terms:</td>
<td>Nested Method / Product Threshold</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>OZO Ozone depletion</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
<td>Basic Method / Product Threshold</td>
</tr>
<tr>
<td>GLO Global warming</td>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
<td>Substances listed individually per threshold indicated per product</td>
</tr>
</tbody>
</table>

### 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
- **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

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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.