

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

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

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** | RES **BIS(2-ETHYLHEXYL)**
TEREPHTHALATE **BM-3dg** **EPOXIDIZED SOYBEAN OIL** **LT-UNK** **ZINC**
STEARATE **LT-UNK** **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 **TRIMETHYLOLPROPANE TRIACRYLATE** **LT-UNK** | RES
| CAN | SKI | EYE **TRIPROPYLENE GLYCOL DIACRYLATE** **LT-P1** | AQU | SKI |
EYE | MUL **GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)** **LT-**
UNK **POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-**
DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-
YL)OXY)- **LT-P1** | MUL **BENZOYL ISOPROPANOL** **LT-UNK** **2,4,6-**
TRIMETHYLBENZOYL 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

Third Party Verified?

Yes

No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

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

PUBLISHED DATE: **2020-06-12**

EXPIRY DATE: **2023-06-11**



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

#: 64.5000 - 64.5000

GS: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

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

#: 24.8000 - 24.8000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

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**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

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**

#: **0.1000 - 0.1000**

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: 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**

#: **0.1000 - 0.1000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Monomer**

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

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**

#: **0.1000 - 0.1000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Monomer**

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

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**

#: **0.1000 - 0.1000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Monomer**

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

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**

#: **0.1000 - 0.1000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Monomer**

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

SUBSTANCE NOTES: Used in PUR coating formulation.

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)

ID: 65997-17-3

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

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

#: **0.0100 - 0.0500**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Abrasion resistance**

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

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

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: **Monomer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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

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

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

#: **0.0100 - 0.0500**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Photoinitiator**

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

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**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Used in PUR coating formulation.

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

CHPS High Performance Products Database - Low Emitting Material

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <https://www.dropbox.com/s/5fm7ld9dsyrt34i/t-Aquaflex%20CHPS%20Certificate%209.2019%20locked.pdf?dl=0>

ISSUE DATE: **2019-09-26**

EXPIRY DATE: **2020-12-31**

CERTIFIER OR LAB: **MAS**

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

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

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: https://www.dropbox.com/s/th3ps8osvwm1w9/t-Aquaflex_FloorScore%20Cert_2019.pdf?dl=0

ISSUE DATE: **2019-03-18**

EXPIRY DATE:

CERTIFIER OR LAB: **SCSglobal**

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

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: https://www.dropbox.com/s/l2lzwam8y02vkp/t-CPSC_Consumer%20Product%20Safety_Phthalates.pdf?dl=0

ISSUE DATE: **2015-06-05**

EXPIRY DATE:

CERTIFIER OR LAB: **ATS**

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

OTHER

ASTM F2199 - Dimensional Stability

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <https://www.dropbox.com/s/xgmgvljt1341qq0/t-ASTM%20F2199-09.pdf?dl=0>

ISSUE DATE: **2015-02-20**

EXPIRY DATE:

CERTIFIER OR LAB: **SGS**

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

CERTIFICATION AND COMPLIANCE NOTES: **Developing a measured acoustical attenuation performance is just one more step in the evolution of our Aquaflex chemistry. This year we received our second US patent further supporting our claims as the flooring industries first waterproof installation system. Now with the acoustic performance documented (Δ IIC 14), we can safely claim Aquaflex as a viable strategy to reduce sound transmission on par with many secondary acoustic underlayment materials.”,**

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/yzwfvuct8wwd2wi/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/**

CONTACT NAME: **Benny Dickens**
TITLE: **Founder/CEO/Chemist**
PHONE: **8003593201**
EMAIL: **info@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

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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.