

CLASSIFICATION: 09 6500

PRODUCT DESCRIPTION: ASPECTA® TEN, THE LATEST INNOVATION FROM METROFLOR, CONSISTS OF THREE PRIMARY LAYERS: 3.0MM LUXURY VINYL TILE (LVT) TOP LAYER THAT MATCHES THE LOOK OF NATURAL TEXTURES, WHILE PROVIDING DURABILITY AND COMFORT; 5.0MM ISOCORE TECHNOLOGY® - AN EXTRUDED, CLOSED-CELL, VINYL STRUCTURAL CORE THAT'S 100% WATERPROOF, RIGID, LIGHT, STRONG, AND DIMENSIONALLY STABLE; AND A 2.0MM PRE-ATTACHED UNDERLAYMENT THAT MINIMIZES SOUND, PROVIDES WARMTH AND COMFORT UNDERFOOT, AND HELPS FURTHER CONCEAL MINOR SUBFLOOR IMPERFECTIONS. ASPECTA® TEN ALSO FEATURES DROPLOCK 100™ - A QUICK-AND-EASY DROP-AND-LOCK INSTALLATION SYSTEM. ASPECTA® TEN MULTILAYER MODULAR FLOORING IS PHTHALATE-FREE, FORMALDEHYDE-FREE, AND MADE FROM 100% VIRGIN VINYL. WITH A 10.0MM GAUGE, 28MIL WEAR LAYER, AND AN ENHANCED CERAMIC BEAD FINISH, ASPECTA® TEN IS BACKED BY A 25-YEAR, NON-PRORATED COMMERCIAL WARRANTY AND AN UNPARALLELED 10-YEAR, PRORATED LABOR WARRANTY. NOTE - THIS HPD DOES NOT APPLY TO ASPECTA® TEN XXL - CRESCENT OAK.

**Section 1: Summary**

**CONTENT INVENTORY**

- Threshold per material
- 100 ppm
  - 1,000 ppm
  - Per GHS SDS
  - Per OSHA MSDS
  - Other

- Residuals and impurities considered in 1 of 1 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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**

ASPECTA TEN - MULTILAYER MODULAR FLOORING [ CALCIUM CARBONATE **BM-3** POLYVINYL CHLORIDE (PVC) **LT-P1** | RES BIS(2-ETHYLHEXYL) TEREPHTHALATE **BM-3** POLYETHYLENE **LT-UNK** METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE **LT-UNK** CHLORINATED POLYVINYL CHLORIDE (CPVC) **LT-UNK** RUTILE TITANIUM DIOXIDE **LT-1** | CAN CALCIUM STEARATE **LT-UNK** ZINC STEARATE **LT-P1** IRON OXIDE **LT-UNK** POLYURETHANE FOAMS **LT-UNK** BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE **LT-UNK** PETROLEUM RESINS **LT-1** | CAN CARBON BLACK **LT-1** | CAN SODIUM BICARBONATE **LT-P1** | END TRIMETHYLOLPROPANE TRIACRYLATE **LT-UNK** | EYE | SKI | RES 1,6-HEXANEDIOL DIACRYLATE **LT-P1** | EYE | SKI | MUL LANTHANUM(3+) STEARATE **UNK** 1-BUTENE, HOMOPOLYMER **LT-UNK** HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) **LT-1** | CAN | MUL FUMED SILICA, CRYSTALLINE-FREE **LT-UNK** ]

Number of Greenscreen BM-4/BM3 contents..... 2  
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: FloorScore  
Multi-attribute: NSF/ANSI 332

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: April 18, 2017	EXPIRY DATE*: April 18, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: April 18, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ASPECTA TEN - MULTILAYER MODULAR FLOORING %: 96.4088 - 104.4128 HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: All known intentional ingredients of Aspecta Ten are disclosed in this HPD.

#### CALCIUM CARBONATE

ID: 471-34-1

%: 48.5208 - 51.4808

GS: BM-3

RC: None

NANO: NO

ROLE: Filler

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

#### SUBSTANCE NOTES:

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 36.2879 - 39.7279

GS: LT-P1

RC: None

NANO: NO

ROLE: Polymer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

#### SUBSTANCE NOTES:

#### BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

%: 4.3207 - 4.7207

GS: BM-3

RC: None

NANO: NO

ROLE: Plasticizer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also known as Dioctyl terephthalate, or DOTP, this plasticizer has undergone a full toxicological screening through GreenScreen and achieved a Benchmark 3 out of a possible 4, whereas phthalate plasticizers typically achieve a Benchmark 1.

#### POLYETHYLENE

ID: 9002-88-4

%: 1.5810 - 1.5810

GS: LT-UNK

RC: None

NANO: NO

ROLE: Polymer

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE

ID: 25852-37-3

%: 1.5352 - 2.0152

GS: LT-UNK

RC: None

NANO: NO

ROLE: Modifier

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

CHLORINATED POLYVINYL CHLORIDE (CPVC)

ID: 68648-82-8

%: 0.8160 - 0.8640

GS: LT-UNK

RC: None

NANO: NO

ROLE: Polymer

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

%: 0.6720 - 0.7200

GS: LT-1

RC: None

NANO: NO

ROLE: Pigment

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: (Rutile) Titanium Dioxide (as airborne, unbound particles) is considered a carcinogen. (Rutile) Titanium Dioxide, as used in Aspecta Ten Multilayer Modular Flooring, is bound within the polymer matrix and is not able to become airborne and inhaled or ingested through normal product use. Thus, the hazards usually associated with (Rutile) Titanium Dioxide are not applicable to this product.

**CALCIUM STEARATE**

ID: 1592-23-0

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%: 0.6678 - 0.9278      GS: LT-UNK      RC: None      NANO: NO      ROLE: Stabilizer

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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**ZINC STEARATE**

ID: 557-05-1

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%: 0.6678 - 0.9278      GS: LT-P1      RC: None      NANO: NO      ROLE: Stabilizer

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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**IRON OXIDE**

ID: 1332-37-2

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%: 0.4416 - 0.4560      GS: LT-UNK      RC: None      NANO: NO      ROLE: Pigment

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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**POLYURETHANE FOAMS**

ID: 9009-54-5

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%: 0.4060 - 0.4210      GS: LT-UNK      RC: None      NANO: NO      ROLE: Polymer

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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

**BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE**

ID: 25038-32-8

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%: 0.1965 - 0.1965      GS: LT-UNK      RC: None      NANO: NO      ROLE: Adhesive Component

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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also known as Thermoplastic Rubber

**PETROLEUM RESINS**

ID: 64742-16-1

%: 0.0756 - 0.0756	GS: LT-1	RC: None	NANO: NO	ROLE: Adhesive Component
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Also known as Hydrocarbon Resins, Petroleum Resins are considered carcinogenic when ingested in their natural state, or when they are boiled and their fumes are inhaled (such as when used in the production of hot-melt adhesives, for example). Petroleum Resins, as used in Aspecta Ten Multilayer Modular Flooring, are bound within the adhesive layer between the ISOCORE layer and the underlayment, and are not able to be inhaled or ingested through normal product use. Thus, the hazards usually associated with Petroleum Resins are not applicable to this product.

**CARBON BLACK**

ID: 1333-86-4

%: 0.0658 - 0.0658	GS: LT-1	RC: None	NANO: NO	ROLE: Pigment
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Carbon Black (as airborne, unbound particles) is considered a carcinogen. Carbon Black, as used in Aspecta Ten Multilayer Modular Flooring, is bound within the polymer matrix and is not able to become airborne and inhaled or ingested through normal product use. Thus, the hazards usually associated with Carbon Black are not applicable to this product.

**SODIUM BICARBONATE**

ID: 144-55-8

%: 0.0528 - 0.0864	GS: LT-P1	RC: None	NANO: NO	ROLE: Foaming Agent
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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SUBSTANCE NOTES: Sodium Bicarbonate (as airborne, unbound particles) is considered a potential endocrine disruptor. Sodium Bicarbonate, as used in Aspecta Ten Multilayer Modular Flooring, is bound within the polymer matrix and is not able to become airborne and inhaled or ingested through normal product use. Thus, the potential hazards usually associated with Sodium Bicarbonate are not applicable to this product.

**TRIMETHYLOLPROPANE TRIACRYLATE**

ID: 15625-89-5

%: 0.0300 - 0.0600      GS: LT-UNK      RC: None      NANO: NO      ROLE: UV Acrylic Layer

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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:

**1,6-HEXANEDIOL DIACRYLATE**

ID: 13048-33-4

%: 0.0200 - 0.0250      GS: LT-P1      RC: None      NANO: NO      ROLE: UV Acrylic Layer

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
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:

LANTHANUM(3+) STEARATE

ID: 14741-67-4

%: 0.0187 - 0.0187      GS: UNK      RC: None      NANO: NO      ROLE: Stabilizer

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1-BUTENE, HOMOPOLYMER

ID: 9003-28-5

%: 0.0150 - 0.0150      GS: LT-UNK      RC: None      NANO: NO      ROLE: Adhesive Component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also known as Polybutene

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)

ID: 64742-54-7

%: 0.0126 - 0.0126      GS: LT-1      RC: None      NANO: NO      ROLE: Adhesive Component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R45 - May cause cancer
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Hydrotreated Heavy Paraffinic Petroleum Distillates are considered carcinogenic when ingested in their natural state, or when boiled and their fumes are inhaled (such as when used in the production of hot-melt adhesives, for example). Hydrotreated Heavy Paraffinic Petroleum Distillates, as used in Aspecta Ten Multilayer Modular Flooring, are bound within the adhesive layer between the ISOCORE layer and the underlayment, and are not able to be inhaled or ingested through normal product use. Thus, the hazards usually associated with Hydrotreated Heavy Paraffinic Petroleum Distillates are not applicable to this product.

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

%: 0.0050 - 0.0150      GS: LT-UNK      RC: None      NANO: NO      ROLE: UV Acrylic Layer

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also known as Silicon Dioxide Powder

**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**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE

NOTES:

**FloorScore**

ISSUE DATE: 2016-12-01

EXPIRY DATE: 2017-11-30

CERTIFIER OR LAB: SCS Global Services

**MULTI-ATTRIBUTE**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Select

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

NSF/ANSI 332 Gold Certification

**NSF/ANSI 332**

ISSUE DATE: 2016-06-07

EXPIRY DATE: 2019-06-30

CERTIFIER OR LAB: SCS Global Services

**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.

**Section 5: General Notes**

Aspecta® Ten is a floating Multilayer Modular Flooring and thus no adhesives are required/recommended for its installation. For more information, please refer to the Aspecta® Ten Professional Installation Guide available on our website ([www.aspecta flooring.com](http://www.aspecta flooring.com)).





## MANUFACTURER INFORMATION

MANUFACTURER: Metroflor Corporation

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## 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)

**LT-P1** List Translator Possible Benchmark 1

**BM-3** Benchmark 3 (use but still opportunity for improvement) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.