Dulux Lifemaster Acrylic Latex 59111 by PPG Architectural Finishes

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: 09 91 23.00

PRODUCT DESCRIPTION: This assessment of product 59111 Matte White base is limited to the base formula not including tint. Dulux Lifemaster is our leading Canadian 'green' building stands product and is free of volatile organic compounds (VOCs) before tinting. Please note, colorants added to base paint may increase the VOC significantly depending on color choice. Dulux Lifemaster Matt, Eggshell, Peal and Semigloss finishes are available in a complete line of tinting bases offering the ability to achieve over 6,000 decorator colours, from the lightest offwhites to the deepest, cleanest shades.

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
- ○ Per OSHA MSDS
- ○ Other

Residuals/Impurities

- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

Explanation(s) provided for Residuals/Impurities?

- ◉ Yes ○ No

Are All Substances Above the Threshold Indicated:

Characterized ◉ Yes ○ No

Percent Weight and Role Provided?

Screened ◉ Yes ○ No

Using Priority Hazard Lists with Results Disclosed?

Identified ○ Yes ◉ No

Name and Identifier Provided?

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

DULUX LIFEMASTER ACRYLIC LATEX 59111 [WATER (WATER) BM-4
TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED LT-UNK NEPHELINE SYENITE (NEPHELINE SYENITE) LT-UNK DIATOMACEOUS EARTH (UNCALCINED) (DIATOMACEOUS EARTH (UNCALCINED)) LT-P1 | CAN LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) LT-UNK HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL (HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL) LT-UNK ALUMINA TRIHYDRATE BM-2 | RES SILICA, AMORPHOUS LT-P1 | CAN UNDISCLOSED LT-1 | CAN | MUL POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY-(POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY-) LT-UNK POLYETHYLENE GLYCOL (POLYETHYLENE GLYCOL) LT-UNK ENGLISH FULLERS EARTH (ENGLISH FULLERS EARTH) NoGS BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE) LT-UNK SODIUM CARBONATE (SODIUM CARBONATE) LT-P1 | EYE UNDISCLOSED LT-UNK 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE (2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE) LT-UNK 2-PROPENOIC ACID, TELOMER WITH SODIUM HYDROGEN SULFITE, SODIUM SALT (9CI) (2-PROPENOIC ACID, TELOMER WITH SODIUM HYDROGEN SULFITE, SODIUM SALT (9CI)) LT-UNK BENZENESULFONIC ACID, MONO-C9-17-BRANCHED ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE (BENZENESULFONIC ACID, MONO-C9-17-BRANCHED ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE) LT-UNK 1,2-BENZISOTHIAZOLIN-3-ONE (BIT) (1,2-BENZISOTHIAZOLIN-3-ONE (BIT)) LT-P1 | MAM | SKI | EYE | AQU | MUL]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Substances representing 99.5% of the product weight meet the 1000 ppm Threshold and are Screened.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 g/L Regulatory (g/l): 0 g/L
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: ClearChem Standard BkA-CC-01
VOC content: SCAQMD Rule 1113 Architectural Coatings

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-12-21
PUBLISHED DATE: 2018-05-24
EXPIRY DATE: 2020-12-21

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

DULUX LIFEMASTER ACRYLIC LATEX 59111

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: PPG's Product Stewardship and Hazard Communication program requires disclosure by its raw material suppliers of all components, both intentional and residual, considered to be hazardous. PPG relies on the measurements of its raw material suppliers and the details of their disclosure in our extensive raw material introduction process. Always refer to the Product Label, Technical Data Sheet (TDS) and Safety Data Sheet (SDS) for all safety and detailed application instructions.

OTHER PRODUCT NOTES: NA

WATER (WATER)

ID: 7732-18-5

%: 45.0000 - 50.0000 GS: BM-4 RC: None NANO: No ROLE: Thinner

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 17.0000 - 20.0000 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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Titanium dioxide (TiO2) has been classified as a GHS carcinogen category 2 based on its IARC 2B classification. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied by a brush or roller. Range listed represents standard manufacturing variability.

UNDISCLOSED

%: **13.0000 - 15.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. The identification of this chemical substance is not being disclosed because the raw material supplier was unable or unwilling to disclose it. For the purpose of this screening, PPG relied on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

NEPHELINE SYENITE (NEPHELINE SYENITE)

ID: **37244-96-5**

%: **5.0000 - 7.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Extender Pigment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

DIATOMACEOUS EARTH (UNCALCINED) (DIATOMACEOUS EARTH (UNCALCINED))

ID: **61790-53-2**

%: **4.0000 - 6.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Extender Pigment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Ranges listed represents standard manufacturing variability.

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: **1317-65-3**

%: **4.0000 - 6.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Extender Pigment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL (HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL)

ID: **18268-70-7**

%: **1.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 0.4000 - 0.5000 GS: BM-2 RC: None NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.4000 - 0.5000 GS: LT-P1 RC: None NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

UNDISCLOSED

%: 0.3000 - 0.6000 GS: LT-1 RC: None NANO: No ROLE: Additive

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
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. The identification of this chemical substance is not being disclosed because the raw material supplier was unable or unwilling to disclose it. For the purpose of this screening, PPG relied on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY- (POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY-)

ID: 160875-66-1

%: 0.3000 - 0.4000 GS: LT-UNK RC: None NANO: No ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

POLYETHYLENE GLYCOL (POLYETHYLENE GLYCOL)

ID: 25322-68-3

%: 0.3000 - 0.4000 GS: LT-UNK RC: None NANO: No ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

ENGLISH FULLERS EARTH (ENGLISH FULLERS EARTH)

ID: 8031-18-3

%: 0.2000 - 0.4000 GS: NoGS RC: None NANO: No ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed presents standard manufacturing variability.

BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE)

ID: 68584-24-7

%: 0.1000 - 0.2000 GS: LT-UNK RC: None NANO: No ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

SODIUM CARBONATE (SODIUM CARBONATE)

ID: 497-19-8

%: 0.1000 - 0.2000 GS: LT-P1 RC: None NANO: No ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

UNDISCLOSED

%: **0.1000 - 0.3000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. The identification of this chemical substance is not being disclosed because the raw material supplier was unable or unwilling to disclose it. For the purpose of this screening, PPG relied on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE (2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE)

ID: **28430-58-2**

%: **0.1000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

2-PROPENOIC ACID, TELOMER WITH SODIUM HYDROGEN SULFITE, SODIUM SALT (9CI) (2-PROPENOIC ACID, TELOMER WITH SODIUM HYDROGEN SULFITE, SODIUM SALT (9CI))

ID: **68479-09-4**

%: **0.1000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

BENZENESULFONIC ACID, MONO-C9-17-BRANCHED ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE (BENZENESULFONIC ACID, MONO-C9-17-BRANCHED ALKYL DERIVS., COMPDS. WITH 2-PROPANAMINE)

ID: **68649-00-3**

%: **0.1000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

1,2-BENZISOTHIAZOLIN-3-ONE (BIT) (1,2-BENZISOTHIAZOLIN-3-ONE (BIT))

ID: **2634-33-5**

%: **0.0200 - 0.0300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Preservative**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
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)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

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 — **ClearChem Standard BkA-CC-01**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: http://clearchem.berkeleyanalytical.com/clearchem-declared/ppg-dulux

ISSUE DATE: 2016-09-23
EXPIRY DATE:
CERTIFIER OR LAB: Berkeley Analytical, IAS TL-383

CERTIFICATION AND COMPLIANCE NOTES: CDPH Standard Method V1.1, Wall Paints and Wall Coverings, Classroom and Office scenarios.

VOC CONTENT — **SCAQMD Rule 1113 Architectural Coatings**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2018-05-01
EXPIRY DATE:
CERTIFIER OR LAB: none

CERTIFICATION AND COMPLIANCE NOTES: VOC content is a calculated value based on EPA Method 24.

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.

No accessories are required for this product.

PPG NEXT GENERATION COLORANT SYSTEM — HPD URL: **no HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
PPG Next Generation Colorant System is a low VOC line of colorants composed of 12 tints which can be combined to create over 6000 colors. When added to Lifemaster base paints at maximum tint load for any color, the Next Generation tints contribute less than 8 g/L of VOC to the final tinted product.

Section 5: General Notes

Please note PPG has a strong Product Stewardship and Hazard Communication program. While some raw material suppliers may choose to keep chemical substances proprietary, PPG requires them to fully disclose hazards . All PPG products, in turn, reflect those hazards. In instances where CAS numbers are not available, PPG relies on extensive internal, external, and raw material supplier resources to assign representative CAS numbers for this screening that represent the chemical family and associated hazards.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **PPG Architectural Finishes**
ADDRESS: **One PPG Place**
Pittsburgh PA 15272, USA
WEBSITE: **https://www.dulux.ca/diy/products/interior-paint/dulux-lifemaster**

CONTACT NAME: **Architectural Coatings Technical Advise Center**
TITLE: **Technical Advisor**
PHONE: **1-800-441-9695**
EMAIL: **techservicerequests@ppg.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
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 (insuficient 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 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.