

HPD UNIQUE IDENTIFIER: 22224

CLASSIFICATION: 09 84 00 Acoustic Room Components

PRODUCT DESCRIPTION: Versatile EchoPanel® acoustic panels and tiles add color and style to any space while absorbing extra noise.

EchoPanel® panels and tiles are manufactured using recycled PET plastic bottles, eco-friendly dyes and no added chemical binder, resulting in a Green Tag-certified product that can help qualify for LEED green building credits. This HPD covers EchoPanel in all available colors.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<p><b>Inventory Reporting Format</b></p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p><b>Threshold level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></p> <p>Residuals/Impurities Considered in 2 of 2 Materials</p> <p><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p><b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p>
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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**

**DOPE DYED RECYCLED PET FIBER [ POLYETHYLENE TEREPHTHALATE (PET) (POST-CONSUMER RECYCLED) LT-UNK C.I. PIGMENT RED 149 LT-P1 PHTHALOCYANINE GREEN LT-UNK CARBON BLACK BM-1 | CAN PIGMENT BLUE 15 BM-3 BISMUTH VANADIUM TETRAOXIDE BM-1 | MUL ] VIRGIN LOW MELT PET FIBER [ POLYETHYLENE TEREPHTHALATE (PET) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END ]**

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2, and discloses hazards associated with all substances present at or above 100 parts per million (ppm), along with the role and percent by weight in the finished product. Supplier confirms that EchoPanel contains no ILFI Red List Chemicals.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

Multi-attribute: GreenTag 3.1 - Gold - GreenRate Level A

LCA: ISO 14040:2006 Environmental management -- Life cycle assessment

Recycled content: TE Global Recycle Standard - V2.1

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: 2020-10-05

PUBLISHED DATE: 2020-10-07

EXPIRY DATE: 2023-10-05

## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### DOPE DYED RECYCLED PET FIBER %: 60.0000 - 60.1000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Inventory Threshold indicated for the finished product that would trigger a GS score of BM-1, LT-1, LT-P1 or NoGS based on supplier statements, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES:

#### POLYETHYLENE TEREPHTHALATE (PET) (POST-CONSUMER RECYCLED)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-05

%: 96.1500 - 99.8200 GS: LT-UNK RC: PostC NANO: No SUBSTANCE ROLE: Structure component

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

SUBSTANCE NOTES: Recycled PET from a variety of sources (e.g. PET bottles). Certificate of Compliance for recycled fibres, as inspected and assessed according to the Global Recycle Standard (GRS) Version 2.1 (Control Union Certifications; 12 August 2013).

#### C.I. PIGMENT RED 149

ID: 4948-15-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-05

%: 0.4500 - 3.7100 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Pigment

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

SUBSTANCE NOTES: Synonym: C.I. Pigment Red 149. Hazards not expected to apply once substance is bound in the matrix of the finished product.

#### PHthalocyanine GREEN

ID: 1328-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-10-05

%: 0.2000 - 1.5700 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Pigment

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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-10-05**%: **0.1100 - 3.2400** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Carbon Black is one of several compounds with warnings restricted to unbound/respirable forms. Hazards not expected to apply once substance is bound in the matrix of the finished product. Specific guidelines have been created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Carbon Black; however, this function is not yet available in the HPD Builder.

**PIGMENT BLUE 15**

ID: 147-14-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-10-05**%: **0.0900 - 0.6800** GS: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). GreenScreen Benchmark® assessment score of BM-3 was provided by the HPD Builder Tool.

**BISMUTH VANADIUM TETRAOXIDE**

ID: 14059-33-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-10-05**%: **0.0500 - 3.7200** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Synonym: Pigment Yellow 184. GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Hazards not expected to apply once substance is bound in the matrix of the finished product.

**VIRGIN LOW MELT PET FIBER**%: **39.9000 - 40.0000**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Inventory Threshold indicated for the finished product that would trigger a GS score of BM-1, LT-1, LT-P1 or NoGS based on supplier statements, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-10-05**

%: **99.8000 - 99.8000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES:

TITANIUM DIOXIDE

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-10-05**

%: **0.2000 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide; however, this function is not yet available in the HPD Builder.

*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	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Woven Image, Brookvale NSW, Australia CERTIFICATE URL:	ISSUE DATE: 2017-09-20	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley Analytical
CERTIFICATION AND COMPLIANCE NOTES: Compliance Tested. VOC Emission Test Certificate. Certificate No: 170920-02. Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (Emission testing method for CA Specification 01350). The results of the test are presented in Berkeley Analytical report, 986-001-01A-Sep2017. Results - School Classroom: Compliant; Private Office: Compliant.			
MULTI-ATTRIBUTE	GreenTag 3.1 - Gold - GreenRate Level A		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Woven Image, NSW AUSTRALIA CERTIFICATE URL: <a href="http://www.ecospecifier.com.au/products/product-summary/?prodid=28169">http://www.ecospecifier.com.au/products/product-summary/?prodid=28169</a>	ISSUE DATE: 2015-04-20	EXPIRY DATE: 2021-04-20	CERTIFIER OR LAB: Global GreenTag Pty Ltd
CERTIFICATION AND COMPLIANCE NOTES: GreenTag LCA Rate Gold GreenRate Level A Certified. Rigid 60% recycled PET paneling products suitable for acoustic and privacy screen applications in commercial workstation, partitioning, wall and ceiling systems. Available thicknesses: 7mm (plain and printed), 12mm (plain and printed) and 24mm (plain only).			
LCA	ISO 14040:2006 Environmental management -- Life cycle assessment		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Woven Image, NSW, AUSTRALIA CERTIFICATE URL:	ISSUE DATE: 2014-06-27	EXPIRY DATE:	CERTIFIER OR LAB: Edge Environment
CERTIFICATION AND COMPLIANCE NOTES: The study assessed environmental impacts over a 6-stage cycle from cradle to grave. This study considers the life-cycle environmental impacts of the 7mm, 12mm and 24mm thick EchoPanel® office partition or wall covering (plain and printed), the 1.9mm EchoPanel Mura®, and the 10mm and 24mm Phoenix office partitioning core fill board. The study followed the ISO and Australian BPIC building products level playing field guidelines for life cycle assessments, including the BPIC EcoPoints system to assess overall environmental impacts, including global warming, water use and non-renewable energy resource depletion. The Carbon Footprint listed above represents the average of the four products currently available from Kirei USA (EchoPanel 24mm board: 12.1 kgCO2-eq; EchoPanel 12mm board: 9.6-10.0 kgCO2-eq; EchoPanel 7mm board: 5.6-5.9 kgCO2-eq; EchoPanel Mura: 1.5 kgCO2-eq).			
RECYCLED CONTENT	TE Global Recycle Standard - V2.1		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Woven Image, NSW, AUSTRALIA CERTIFICATE URL:	ISSUE DATE: 2013-08-12	EXPIRY DATE:	CERTIFIER OR LAB: Control Union Certifications
CERTIFICATION AND COMPLIANCE NOTES: Polyethylene terephthalate (PET), Post-consumer recycled content (Fibres).			
OTHER	Global GreenTag Product Health Declaration (PhD)		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Ingleburn NSW, Villawood NSW AUSTRALIA CERTIFICATE URL: <a href="http://www.ecospecifier.com.au/products/detailed-assessment/?prodid=28169">http://www.ecospecifier.com.au/products/detailed-assessment/?prodid=28169</a>	ISSUE DATE: 2018-05-16	EXPIRY DATE: 2021-04-20	CERTIFIER OR LAB: Global GreenTag International
CERTIFICATION AND COMPLIANCE NOTES: Global GreenTag Health Rate: GOLD. Scope of Range: EchoPanel® and Mura™ non printed. Life Cycle Assessed: Raw materials, manufacturing, in-use. Licence Number: WOV-002-v1-2018. Standard: GGT International v4.0. Percentage Assessed: 100%. Declaration Limit: 100 ppm. GreenTag Banned List Compliant. Product Meets Optimization requirements (No Grey or Red Light category ingredients). The Global GreenTag International (GGT) Product Health Declaration (PhD) is intended to indicate: Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for each homogeneous ingredient throughout the product life cycle (including any			

## 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.*

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### **ECHOSKY ALUMINUM RACK SYSTEM**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Required for installation of EchoSky racked baffle systems. Various sizes available according to the specification. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **VELCRO STRIPS**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Required for installation of EchoStar Acoustic Systems. 1-inch wide velcro strips to be attached to top of EchoPanel infield where necessary. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **ECHOSCREEN ALUMINUM CHANNEL**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Used for installation of EchoScreen dividers. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **MURA TILES CLIPS**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Plastic clip used during installation of Mura Tiles. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **PIVOT JOINERS**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

ABS plastic Pivot Joiners are used to connect EchoPanel Partitions. Pivot joiners fold 360-degrees for a variety of standing configurations, and enable pack-flat storage of complete systems when not in use. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **LOW-VOC CONSTRUCTION ADHESIVE**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Used for installation of Mura Tiles and other EchoPanel products, depending on specification. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

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### **INSTALLATION HARDWARE**

HPD URL: **No HPD available**

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#### **CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Required for installation of various EchoPanel Systems components. If more information is required, please contact manufacturer or see relevant Spec Sheets at <http://kireiusa.com/downloads-2/>

## Section 5: General Notes

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Kirei USA  
**ADDRESS:** 8330 Arjons Drive  
 San Diego CA 92126, USA  
**WEBSITE:** www.KireiUSA.com

**CONTACT NAME:** Leigh Anne Magnatta  
**TITLE:** VP Operations  
**PHONE:** 619-236-9924  
**EMAIL:** leighanne@kireiusa.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**

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

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> 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.*