

HPD UNIQUE IDENTIFIER: 28547

CLASSIFICATION: 09 77 53 Vegetated Wall Systems

PRODUCT DESCRIPTION: Garden On The Wall offers a wide range of custom designed garden installations, created with all natural preserved plants. These long-lasting, maintenance-free gardens require no water, misting or irrigation, no light, and no soil – but retain a vibrant, fresh-cut look and feel for up to 10 years. This HPD covers Garden On The Wall's Preserved Wall Garden System using 1/4" thick plywood.

Section 1: Summary

Nested Method / Material 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 checked="" type="radio"/> Material</p> <p><input type="radio"/> Product</p>	<p><b>Threshold Level</b></p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" 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>Considered in 3 of 3 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 checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances except SC substances characterized according to SC guidance.</i></p> <p><b>Screened</b> <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</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**

1/4" MAPLE PLYWOOD [ MAPLE NoGS SOYBEAN MEAL LT-UNK  
 POLYVINYL ACETATE LT-UNK MAGNESIUM OXIDE BM-3dg | CAN  
 POTASSIUM PHOSPHATE, MONOBASIC LT-UNK ADIPIC ACID,  
 DIETHYLENTRIAMINE, EPICHLOROHYDRIN POLYMER LT-UNK  
 STARCH LT-UNK GLYCERIN LT-UNK SODIUM TETRABORATE  
 PENTAHYDRATE LT-1 | REP | MUL CALCIUM HYDROXIDE LT-P1 ]  
 ADHESIVE [ WATER BM-4 UNDISCLOSED LT-UNK | CAN STYRENE  
 BUTADIENE RUBBER (SBR) LT-UNK DISTILLATES (PETROLEUM),  
 HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI) LT-1 | CAN | PBT |  
 MUL UNDISCLOSED NoGS UREA LT-UNK QUARTZ BM-1 | CAN  
 TITANIUM DIOXIDE LT-1 | CAN | END ] PRESERVED PLANTS [  
 UNDISCLOSED LT-UNK THEOPHRASTUS'S DATE PALM NoGS  
 SC:HELICHRYSUM SP. Not Screened SC:MOSESSES (BRYOPHYTA) Not  
 Screened SC:ASPARAGUS SP. Not Screened SC:PITTOSPORUM SP.  
 Not Screened SC:ADIANTUM SP. Not Screened SC:BEAR GRASS Not  
 Screened SC:SALAL Not Screened SC:SCHINUS SP. Not Screened  
 SC:HEDERA SP. Not Screened SC:SORBUS SP. Not Screened  
 EUCALYPTUS NoGS AMARANTH LT-UNK SC:GYNERIUM SP. Not  
 Screened SC:GYPSOPHILA SP Not Screened POPLAR NoGS OAK NoGS  
 NORTHERN WHITECEDAR NoGS CALIFORNIA FAN PALM NoGS TREE  
 FERNS NoGS BEECH NoGS UNDISCLOSED LT-UNK UNDISCLOSED  
 LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | RES ]

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:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

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 1000 parts per million (ppm) in the finished product system, as well as the role and percent by weight. Substances not "Identified" are those considered proprietary to suppliers.

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

Biobased content: ASTM D6866-11 Standard Test Methods for

**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: 2022-05-13

PUBLISHED DATE: 2022-05-13

EXPIRY DATE: 2025-05-13

## 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)

### 1/4" MAPLE PLYWOOD

#: 47.7000 - 56.5000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Plywood backer board to which preserved plants are attached. Percent range given for material due to the various plant species and densities available for this wall garden system. Standard plywood product used by Garden On the Wall: 1/4" PureBond Maple Plywood by Columbia Forest Products. FSC Chain of Custody available. CDPH Standard Method V1.1 Compliant. Declare label available at: <https://declare.living-future.org/products/purebond-decorative-domestic-veneer-core-interior-hardwood-plywood-unfinished>

#### MAPLE

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-05-13 13:57:22

#: 85.0000 - 85.0000

GS: NoGS

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:

#### SOYBEAN MEAL

ID: 68308-36-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-05-13 13:57:25

#: 4.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Synonym: Defatted Soy Flour

#### POLYVINYL ACETATE

ID: 9003-20-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-05-13 13:57:27

#: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**MAGNESIUM OXIDE**

ID: 1309-48-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:26**%: **0.1000 - 1.0000** GS: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

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

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

**POTASSIUM PHOSPHATE, MONOBASIC**

ID: 7778-77-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:26**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Buffer**

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

SUBSTANCE NOTES:

**ADIPIC ACID, DIETHYLENETRIAMINE, EPICHLOROHYDRIN POLYMER**

ID: 25212-19-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:27**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: Synonym: Hexanedioic acid, polymer with N-(2-aminoethyl)-1,2-ethanediamine and (chloromethyl)oxirane

**STARCH**

ID: 9005-25-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:30**%: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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).

**GLYCERIN**

ID: 56-81-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:30**%: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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).

**SODIUM TETRABORATE PENTAHYDRATE**

ID: 12179-04-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:31**%: **0.0000 - 0.1000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REP	EU - SVHC Authorisation List	Toxic to reproduction - Prioritized for listing
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
REP	EU - GHS (H-Statements) Annex 6 Table 3-1	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]

SUBSTANCE NOTES: Synonym: Borax

**CALCIUM HYDROXIDE**

ID: 1305-62-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:09:19**%: **0.0000 - 0.1000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Buffer**

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).

**ADHESIVE**%: **24.3000 - 30.0000**

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Used to affix preserved plants to backer board. Solvent-free adhesive with <1 g/L VOC. CRI Green Label Plus. Percent range given for material due to the various plant species and densities available for this wall garden system. Percent range given for substances as requested by supplier.

**WATER**

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:23**%: **30.0000 - 35.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:23**%: **25.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Substance to remain proprietary to Supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

**STYRENE BUTADIENE RUBBER (SBR)**ID: **9003-55-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:23**%: **20.0000 - 25.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES:

**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI)**ID: **64742-52-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:24**%: **6.0000 - 6.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Defoamer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:25**

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Tackifier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance to remain proprietary to Supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

UREA

ID: 57-13-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-13 13:57:26

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Anti-freeze

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).

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-13 13:57:32

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

US CDC - Occupational Carcinogens

Occupational Carcinogen

CAN

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CAN

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CAN

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CAN

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CAN

IARC

Group 1 - Agent is Carcinogenic to humans

CAN

GHS - Japan

H350 - May cause cancer [Carcinogenicity - Category 1A]

CAN

GHS - Australia

H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]

CAN

GHS - New Zealand

Carcinogenicity category 1

SUBSTANCE NOTES: Potential impurity of Inert Filler. GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Form-specific hazards: airborne particles of respirable size – occupational setting.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-13 13:57:29

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Potential impurity of Inert Filler. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.

### PRESERVED PLANTS

%: 19.3000 - 22.3000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Other Biological Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS, based on supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent range given for material due to the various plant species and densities available for this wall garden system.

### UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:22**

%: **68.3000 - 71.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

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 Half-Circle - Expected Low Concern). Substance to remain proprietary to Supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

### THEOPHRASTUS'S DATE PALM

ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:33**

%: **0.0000 - 30.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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

SUBSTANCE NOTES: Phoenix sp. Percent range given due to various plant species and densities available.

### SC:HELICHRYSUM SP.

ID: **SC:Bio**



HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: HELICHRYSUM SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. White dogwood, rice flower (H. diosmi). Percent range given due to various plant species and densities available.

**SC:MOSESSES (BRYOPHYTA)**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: MOSESSES (BRYOPHYTA)

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Flat moss, pole moss, ball moss. Percent range given due to various plant species and densities available.

**SC:ASPARAGUS SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: ASPARAGUS SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Ming fern (A. retrofractus, A. macowanii), Foxtail fern (A. densiflorus). Percent range given due to various plant species and densities available.

**SC:PITTOSPORUM SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:  
Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: PITTOSPORUM SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Percent range given due to various plant species and densities available.

**SC:ADIANTUM SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>Not Screened</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>Not Screened</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:  
Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: ADIANTUM SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Maidenhair fern, five-fingered fern. Percent range given due to various plant species and densities available.

**SC:BEAR GRASS**

ID: **SC:Bio**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>Not Screened</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>Not Screened</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:  
Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: Xerophyllum tenax

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Indian basket grass. Percent range given due to various plant species and densities available.

**SC:SALAL**

ID: **SC:Bio**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>Not Screened</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>Not Screened</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: Gaultheria shallon

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Percent range given due to various plant species and densities available.

**SC: SCHINUS SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: SCHINUS SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Peppertree. Percent range given due to various plant species and densities available.

**SC: HEDERA SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: HEDERA SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Common ivy, English ivy (H. helix, H. arborea). Percent range given due to various plant species and densities available.

**SC: SORBUS SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: SORBUS SP.

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Red Alisier. Percent range given due to various plant species and densities available.

**EUCALYPTUS**

ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:32**

#: **0.0000 - 30.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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

SUBSTANCE NOTES: Cinerea (*E. cinerea*), Gunny (*E. gunnii*), Nicoloy (*E. nicholii*), Parvafolia (*E. parvula*). Percent range given due to various plant species and densities available.

**AMARANTH**

ID: **915-67-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:31**

#: **0.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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

SUBSTANCE NOTES: Percent range given due to various plant species and densities available.

**SC:GYNERIUM SP.**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: Gynerium sagittatum

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Gynerium grass. Percent range given due to various plant species and densities available.

**SC:GYPSOPHILA SP**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 30.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

SUBSTANCE NOTES:  
Version: SCBioMats/2018-02-23  
Category: Plant-based materials  
Identifier: GYPSOPHILA SP

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Mini Gypso, baby's-breath. Percent range given due to various plant species and densities available.

**POPLAR**

ID: Not registered

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-05-13 13:57:33</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

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

SUBSTANCE NOTES: Populus spp. Percent range given due to various plant species and densities available.

**OAK**

ID: Not registered

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-05-13 13:57:34</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

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

SUBSTANCE NOTES: Quercus spp. Percent range given due to various plant species and densities available.

**NORTHERN WHITECEDAR**

ID: Not registered

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-05-13 13:57:34</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

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

SUBSTANCE NOTES: Thuja occidentalis, Arborvitae. Percent range given due to various plant species and densities available.

**CALIFORNIA FAN PALM**

ID: Not registered

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-05-13 13:57:35</b>		
%: <b>0.0000 - 30.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Biological material</b>

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

SUBSTANCE NOTES: Washingtonia filifera. Percent range given due to various plant species and densities available.

**TREE FERNS**ID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:35**%: **0.0000 - 30.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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

SUBSTANCE NOTES: *Cyanthea* spp. Percent range given due to various plant species and densities available.**BEECH**ID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:37**%: **0.0000 - 30.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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

SUBSTANCE NOTES: *Fagus* spp. Percent range given due to various plant species and densities available.**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:38**%: **0.0000 - 0.0300** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

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

SUBSTANCE NOTES: Substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:38**%: **0.0000 - 0.0600** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

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

SUBSTANCE NOTES: Substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:39**%: **0.0000 - 0.3800** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

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

SUBSTANCE NOTES: Substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-13 13:57:28**

%: **0.0000 - 0.2500** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

## 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

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

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: Livingston, NJ USA  
CERTIFICATE URL:

ISSUE DATE: 2020-08-19  
EXPIRY DATE:

CERTIFIER OR LAB: UL  
Environment

CERTIFICATION AND COMPLIANCE NOTES: Test Report No: 1001007470-3214176. Test Results Comparison To Standard Criteria: Classroom - Individual VOC and Formaldehyde: COMPLIANT; TVOC 0.5mg/m3 or less; Office - Individual VOC and Formaldehyde: COMPLIANT. TVOC: 0.5-5.0 mg/m3.

### BIOBASED CONTENT

ASTM D6866-11 Standard Test Methods for Determining the Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES: Livingston, NJ USA  
CERTIFICATE URL:

ISSUE DATE: 2020-06-27  
EXPIRY DATE:

CERTIFIER OR LAB: Beta Analytic

CERTIFICATION AND COMPLIANCE NOTES: Certificate Number: 449490561622110631. Sample: Preserved plants. Result: 100% Biobased Carbon Content.

## 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.*

### MOUNTING HARDWARE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:  
Used to mount Garden On The Wall's Preserved Wall Garden Systems.

### STYROFOAM® FLORAL FOAM

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:  
Used to add fullness to some Preserved Wall Gardens. Product Safety Assessment for this product can be found at: <http://ow.ly/hWla30nWLGp>

## Section 5: General Notes

Various options are available for Garden On The Wall's Preserved Wall Garden Systems, including the species and density of preserved plants, type and flame resistance of backer board, and even the adhesive used to affix the preserved plants to the backer board. The HPDs published by Garden On The Wall reflect the options most commonly used in our Preserved Wall Garden Systems.



**MANUFACTURER INFORMATION**

**MANUFACTURER:** Garden On The Wall  
**ADDRESS:** 5 Washington Court  
 Livingston NJ 07039, USA  
**WEBSITE:** www.gardenonthewall.com

**CONTACT NAME:** Miné Hisim  
**TITLE:** Architectural Sales Manager  
**PHONE:** 888-234-3392  
**EMAIL:** mine@gardenonthewall.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>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)	<b>NoGS</b> 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

**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.*