

HPD UNIQUE IDENTIFIER: 22669744128

CLASSIFICATION: 07 22 16 Roof Board Insulation

PRODUCT DESCRIPTION: HIGH DENSITY Fiberboard Roof Insulation Cover Board

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold Level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities Evaluation

- Completed
- Partially Completed
- Not Completed

Explanation(s) provided :

- Yes  No

For all contents above the threshold, the manufacturer has:

**Characterized**  Yes  No

Provided weight and role.

**Screened**  Yes  No

Provided screening results using HPDC-approved methods.

**Identified**  Yes  No

Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE**

**STRUCTODEK HD [ PULP, CELLULOSE NoGS CORN STARCH NoGS WATER BM-4 BENTONITE LT-UNK HAEMATITE LT-UNK ALKENES, C24-54-BRANCHED AND LINEAR .ALPHA.- NoGS SLACK WAX (PETROLEUM) LT-1 | CAN | MUL | DEV SULFURIC ACID, ALUMINUM SALT (3:2) LT-P1 | SKI | EYE | AQU ALUMINATE (ALO21#-), SODIUM LT-P1 | SKI | EYE QUARTZ BM-1 \* | CAN | MAM | GEN OCTADECANOIC ACID, COMPD. WITH 2,2',2"-NITRILOTRIS[ETHANOL] (1:1) NoGS SODIUM HYDROXIDE LT-P1 | SKI | MAM | EYE ]**

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

STRUCTODEK ingredients have been screened against chemicals listed in Living Building Challenge Red List 4.0 and does not contain the listed chemicals to 100ppm. Exact percentages are not disclosed to protect proprietary information. This product is not wet applied therefore VOC content data is not applicable.

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

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: USDA BioPreferred Catalog  
Biobased content: ASTM D6866-22 Standard for Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.  
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-05-21

PUBLISHED DATE: 2025-05-21

EXPIRY DATE: 2028-05-21

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### STRUCTODEK HD

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered based on supplier SDS. SDS may not identify all Residuals or Impurities present that would require reporting on the HPD.

OTHER PRODUCT NOTES: Composition ranges are provided to protect proprietary information.

### PULP, CELLULOSE

ID: 65996-61-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:02**

%: **79.5000 - 98.6000**

GreenScreen: **NoGS**

RC: **PreC**

NANO: **Unknown**

SUBSTANCE ROLE: **Structure component**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES: The overall product pre-consumer recycled content for STRUCTODEK is 75%.

The pre-consumer recycled content for the sourced wood is from sawmill waste including, but not limited to, sawdust, bark, chips, slabs, and cuttings from lumber or timber.

### CORN STARCH

ID: 9005-25-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:03**

%: **0.5000 - 9.0000**

GreenScreen: **NoGS**

RC: **None**

NANO: **Unknown**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

**WATER**

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:04**

%: **0.0000 - 4.3000**      GreenScreen: **BM-4**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions  Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

**BENTONITE**

ID: 1302-78-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:04**

%: **0.2000 - 1.9980**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**HAEMATITE**

ID: 1317-60-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:05**

%: **0.1580 - 1.6800**      GreenScreen: **LT-UNK**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:02**

%: **0.0000 - 1.3750**      GreenScreen: **NoGS**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Water resistance**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**SLACK WAX (PETROLEUM)**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-05-21 13:09:03**

%: **0.0000 - 1.3000**      GreenScreen: **LT-1**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Water resistance**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  Cosmetics and Personal Care Products

SUBSTANCE NOTES:

**SULFURIC ACID, ALUMINUM SALT (3:2)**

ID: 10043-01-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-05-21 13:09:04**

%: **0.0000 - 0.7500** GreenScreen: **LT-P1** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Sizing agent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  Children's Toy Products

SUBSTANCE NOTES:

**ALUMINATE (ALO21#-), SODIUM**

ID: 1302-42-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2025-05-21 13:09:04

#: **0.0000 - 0.4200**      GreenScreen: **LT-P1**      RC: **None**      NANO: **Unknown**      SUBSTANCE ROLE: **Buffer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**QUARTZ**

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2025-05-21 13:09:05

#: **0.0180 - 0.4000**      GreenScreen: **BM-1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Impurity**

HAZARD TYPE	LIST NAME AND SOURCE	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	US NIH - Report on Carcinogens	Known to be a human Carcinogen**
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**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]**
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]**
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: \*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

**OCTADECANOIC ACID, COMPD. WITH 2,2',2''-NITRILOTRIS[ETHANOL] (1:1)**

ID: 4568-28-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-05-21 13:09:05**

%: **0.0000 - 0.1750** GreenScreen: **NoGS** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Surfactant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

**SODIUM HYDROXIDE**

ID: **1310-73-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-05-21 13:09:06**

%: **0.0000 - 0.1000** GreenScreen: **LT-P1** RC: **None** NANO: **Unknown** SUBSTANCE ROLE: **Buffer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1B
SKI	GHS - Malaysia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
EYE	GHS - Malaysia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  Cosmetics and Personal Care Products

SUBSTANCE NOTES:

## 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: Third Party APPLICABLE FACILITIES: Danville, VA 24541 CERTIFICATE URL: <a href="https://www.blueridgefiberboard.com/wp-content/uploads/2024/06/2025-05_Blue-Ridge-Fiberboard_Structodek-HD_2400261R1-03.pdf">https://www.blueridgefiberboard.com/wp-content/uploads/2024/06/2025-05_Blue-Ridge-Fiberboard_Structodek-HD_2400261R1-03.pdf</a> CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2025-04-01 00:00:00 EXPIRY DATE: 2026-05-30 00:00:00	CERTIFIER OR LAB: MAS Certified Green CT
BIOBASED CONTENT	USDA BioPreferred Catalog	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Danville, VA 24541 CERTIFICATE URL: <a href="https://www.blueridgefiberboard.com/wp-content/uploads/2024/04/USDA-ParticipationCertificate-BRF-STRUCTODEK-HD.pdf">https://www.blueridgefiberboard.com/wp-content/uploads/2024/04/USDA-ParticipationCertificate-BRF-STRUCTODEK-HD.pdf</a> CERTIFICATION AND COMPLIANCE NOTES: 100% USDA certified biobased content.	ISSUE DATE: 2023-09-05 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: Beta Analytic
BIOBASED CONTENT	ASTM D6866-22 Standard for Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Danville, VA 24541 CERTIFICATE URL: <a href="https://www.blueridgefiberboard.com/wp-content/uploads/2024/04/USDA-ParticipationCertificate-BRF-STRUCTODEK-HD.pdf">https://www.blueridgefiberboard.com/wp-content/uploads/2024/04/USDA-ParticipationCertificate-BRF-STRUCTODEK-HD.pdf</a> CERTIFICATION AND COMPLIANCE NOTES: 100% USDA Certified Biobased content	ISSUE DATE: 2023-09-15 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: Beta Analytic

## 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.

LAMINATED FIBERBOARD TAPERED EDGE/CANT STRIP PROVIDED BY BRF AND OTHERS
MANUFACTURER (OR GENERIC): <b>Generic</b> HPD URL: no HPD available ACCESSORY TYPE: Other CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: TAPERED EDGE where applicable for proper roof drainage and slope to prevent water standing on the roof. CANT STRIP where applicable for 90 degree angle where roof will meet the parapet wall.
ADHESIVE SUPPLIED BY OTHERS
MANUFACTURER (OR GENERIC): <b>Generic</b> HPD URL: no HPD available ACCESSORY TYPE: Adhesive CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: No Conditions Provided

## MECHANICAL FASTENERS SUPPLIED BY OTHERS

MANUFACTURER (OR GENERIC): **Generic**

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HPD URL: no HPD available

ACCESSORY TYPE: **Fastener**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: **Fastening Patterns:** Fastening patterns will vary based upon specific membrane manufacturers' assemblies. Please refer to membrane manufacturer fastening requirements.

## Section 5: General Notes

STRUCTODEK ingredients have been screened against chemicals listed in Living Building Challenge Red List 4.0 and does not contain the listed chemicals to 100ppm.

Exact percentages are not disclosed to protect proprietary information.

Residuals and Impurities were partially considered.

The overall product pre-consumer recycled content is 75%.

The pre-consumer recycled content for the sourced wood is from sawmill waste including, but not limited to, sawdust, chips, slabs, and cuttings from lumber or timber.

This product is a USDA Certified Biobased Product with 100% Bio-based content material as tested by ASTM 6866-22 Method B (Accelerator Mass Spectrometry) Total Organic Carbon.

This biobased content is third-party verified data as administered through the USDA BioPreferred® Program.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Blue Ridge Fiberboard**  
 ADDRESS: **250 Celotex Drive**  
**Danville, Virginia 24541**  
 COUNTRY: **United States of America**  
 LATITUDE: **36.7263000**  
 LONGITUDE: **-78.7493000**

WEBSITE: **www.wrmeadows.com**  
 CONTACT NAME: **Kimberly Ann Lombardozzi**  
 TITLE: **Sustainability Manager**  
 PHONE: **847-214-2100**  
 EMAIL: **klombardozzi@wrmeadows.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-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**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.*