

HPD UNIQUE IDENTIFIER: 134054767616

CLASSIFICATION: 12 20 00 Window Treatments

PRODUCT DESCRIPTION: X-Weave Zero is a heavy-duty fire-retardant solar screen fabric with 0% openness for use in exterior and interior spaces. It's 100% view blocking design provides enhanced privacy, solar protection, and resistance to rain and insects. It's wide width of 126 inches, extended color palette of 11 colors, and strong tensile strength makes X-Weave's durability and versatility its strongest characteristics.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                                                                                                  | Threshold Level                                                                                                                                                                            | Residuals/Impurities Evaluation                                                                                                                                                                            | For all contents above the threshold, the manufacturer has:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><input checked="" type="radio"/> Nested Materials Method</div><div><input type="radio"/> Basic Method</div></div> | <div><div><input checked="" type="radio"/> 100 ppm</div><div><input type="radio"/> 1,000 ppm</div><div><input type="radio"/> Per GHS SDS</div><div><input type="radio"/> Other</div></div> | <div>Completed in 8 of 8 Materials</div> <div><b>Explanation(s) provided for Residuals/Impurities?</b></div> <div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div> | <div><b>Characterized</b></div> <div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div> <div>Provided weight and role.</div> <div><b>Screened</b></div> <div><div><input checked="" type="radio"/> Yes</div><div><input type="radio"/> No</div></div> <div>Provided screening results using HPDC-approved methods.</div> <div><b>Identified</b></div> <div><div><input type="radio"/> Yes</div><div><input checked="" type="radio"/> No</div></div> <div>Provided name and CAS RN or other identifier.</div> |

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

RESIN [ POLYVINYL CHLORIDE LT-P1 ] MAM ] PET [ POLYETHYLENE TEREPHTHALATE (PET) LT-P1 ] PLASTICIZER [ UNDISCLOSED BM-3dg ] ADDITIVE 1 [ UNDISCLOSED BM-3 ] EYE ] FLAME RETARDANT [ UNDISCLOSED BM-1 ] MUL | CAN | SKI | EYE | MAM | AQU ] COLORANT [ UNDISCLOSED BM-1 ] CAN | END | MAM ] UV STABILIZER [ UNDISCLOSED LT-UNK ] ADDITIVE 2 [ UNDISCLOSED BM-3dg ] EYE ]

Number of Greenscreen BM-4/BM3 contents ... 3

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. All materials/substances present in the final product were screened at or above 100 ppm, and all potential hazards associated with the product have been disclosed. Residuals/impurities were screened using Quartz or Pharos databases. The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm. This database is a general database and lists possible residuals and impurities for chemicals and substances as reported in peer-reviewed studies or other credible documentation, therefore, it does not mean that this material contains that impurity. Actual impurities are a product of the sourced product and its suppliers. Residuals and impurities listed in the HPD are for information purposes only and are not 100% guaranteed to be present in the fabric.

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: UL/GreenGuard Gold Certified

Multi-attribute: OEKO-TEX Standard 100

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

☐ Yes  
☒ No

VERIFIER:  
VERIFICATION #:

PUBLISHED DATE: 2025-02-22  
EXPIRY DATE: 2028-02-21

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)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------|
| RESIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | %: 45.0000 - 55.0000                               |                                   |
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. |                                                    |                                   |
| OTHER MATERIAL NOTES: To protect confidentiality, percentages are shown in a range.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                   |

|                                                                                             |                                                         |                |                                                                                                                                                           |                                |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                            |                                                         |                | HAZARD SCREENING DATE: <b>2025-02-21 4:48:32</b>                                                                                                          |                                |
| %: <b>99.0000 - 100.0000</b>                                                                | GreenScreen: <b>LT-P1</b>                               | RC: <b>UNK</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                                                 | LIST NAME AND SOURCE                                    |                | WARNINGS                                                                                                                                                  |                                |
| MAM                                                                                         | GHS - Japan                                             |                | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                   |                                |
| MAM                                                                                         | GHS - Japan                                             |                | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                |
| ADDITIONAL LISTINGS                                                                         | LIST NAME AND SOURCE                                    |                | NOTIFICATION                                                                                                                                              |                                |
| RESTRICTED LIST                                                                             | Perkins+Will (P+W)                                      |                | P&W - Precautionary List                                                                                                                                  |                                |
|                                                                                             |                                                         |                | Precautionary list of substances recommended for avoidance                                                                                                |                                |
| RESTRICTED LIST                                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) |                | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                             |                                |
|                                                                                             |                                                         |                | Core Restrictions                                                                                                                                         |                                |
| RESTRICTED LIST                                                                             | International Living Future Institute (ILFI)            |                | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025                                                            |                                |
|                                                                                             |                                                         |                | Red List substances to avoid in Living Building Challenge V4.0 projects                                                                                   |                                |
| RESTRICTED LIST                                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) |                | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024                                                                        |                                |
|                                                                                             |                                                         |                | Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern                                                                          |                                |
| SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm. |                                                         |                |                                                                                                                                                           |                                |

PET

%: 20.0000 - 30.0000

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

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities.

OTHER MATERIAL NOTES: Polyethylene terephthalate (PET) is the most recyclable thermoplastic polymer used worldwide. It is clear, strong, and lightweight plastic widely used in textile & fabrics, for packaging foods, water, and beverage bottles.

| POLYETHYLENE TEREPHTHALATE (PET)                                                                                                 |                           |                |                                                  | ID: 25038-59-9                           |  |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|--------------------------------------------------|------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                 |                           |                | HAZARD SCREENING DATE: <b>2025-02-21 4:48:32</b> |                                          |  |
| %: <b>99.0000 - 100.0000</b>                                                                                                     | GreenScreen: <b>LT-P1</b> | RC: <b>UNK</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Textile component</b> |  |
| 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: Residuals and impurities are quantitively measured and noted in this HPD when greater than or equal to 100 ppm. |                           |                |                                                  |                                          |  |

PLASTICIZER %: 10.0000 - 20.0000

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------|
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. |                                                    |                                   |
| OTHER MATERIAL NOTES: This additive is covered under strict intellectual property rights by the manufacturer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                   |

|                                                                                                                                                                                             |                                       |                |                                                  |                                    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|--------------------------------------------------|------------------------------------|--|
| UNDISCLOSED                                                                                                                                                                                 |                                       |                |                                                  | ID: Undisclosed                    |  |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                            |                                       |                | HAZARD SCREENING DATE: <b>2025-02-21 4:48:33</b> |                                    |  |
| %: <b>98.0000 - 99.0000</b>                                                                                                                                                                 | GreenScreen: <b>BM-3dg</b>            | RC: <b>UNK</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Plasticizer</b> |  |
| HAZARD TYPE                                                                                                                                                                                 | LIST NAME AND SOURCE                  |                | WARNINGS                                         |                                    |  |
| None found                                                                                                                                                                                  |                                       |                | No warnings found on HPD Priority Hazard Lists   |                                    |  |
| ADDITIONAL LISTINGS                                                                                                                                                                         | LIST NAME AND SOURCE                  |                | NOTIFICATION                                     |                                    |  |
| RESTRICTED LIST                                                                                                                                                                             | Green Science Policy Institute (GSPI) |                | GSPI - Six Classes Precautionary List            |                                    |  |
|                                                                                                                                                                                             |                                       |                | Some Solvents                                    |                                    |  |
| SUBSTANCE NOTES: Impurities possessing a known Green-Screen Score are noted in this HPD. Minor impurities (present at <2%) include 2-ethylhexyl methyl terephthalate - Per Pharos database. |                                       |                |                                                  |                                    |  |

ADDITIVE 1 %: 1.0000 - 5.0000

|                            |                                                    |                                              |
|----------------------------|----------------------------------------------------|----------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Geologically Derived Material |
|----------------------------|----------------------------------------------------|----------------------------------------------|

OTHER MATERIAL NOTES:

ID: Undisclosed

**SUBSTANCE NOTES:** This chemical substance is identified on the U.S. EPA Safer Chemical Ingredients List.

**%: 1.0000 - 5.0000**

**RESIDUALS AND IMPURITIES NOTES:** The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities.

OTHER MATERIAL NOTES: To protect confidentiality, percentages are shown in a range.

ID: Undisclosed

%: **99.0000 - 100.0000**      GreenScreen: **BM-1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Flame retardant**

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL         | ChemSec - SIN List                        | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                                                                      |
| CAN         | CA EPA - Prop 65                          | Carcinogen                                                                                                                                                |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN         | MAK                                       | Carcinogen Group 2 - Considered to be carcinogenic for man                                                                                                |
| CAN         | US NIH - Report on Carcinogens            | Reasonably Anticipated to be Human Carcinogen                                                                                                             |
| CAN         | IARC                                      | Group 2a - Agent is probably Carcinogenic to humans                                                                                                       |
| CAN         | GHS - Japan                               | H350 - May cause cancer [Carcinogenicity - Category 1B]                                                                                                   |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| SKI         | GHS - New Zealand                         | Skin irritation category 2                                                                                                                                |
| EYE         | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |
| CAN         | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM         | GHS - New Zealand                         | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| MAM         | GHS - Japan                               | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]                                       |
| SKI         | GHS - Korea                               | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]                                                                   |
| AQU         | GHS - Korea                               | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| CAN         | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| CAN         | GHS - Korea                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                           |
|---------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                             |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>Children's Toy Products                                      |

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

COLORANT

%: 1.0000 - 3.0000

|                            |                                                    |                                              |
|----------------------------|----------------------------------------------------|----------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Geologically Derived Material |
|----------------------------|----------------------------------------------------|----------------------------------------------|

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: Undisclosed

|                                                                  |                          |                 |                                                  |                                |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-02-21 4:48:32</b> |                                |
| %: <b>99.0000</b>                                                | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>Unknown</b>                             | SUBSTANCE ROLE: <b>Pigment</b> |

| 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                 | 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                 | IARC                                                   | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN                 | EU - GHS (H-Statements) Annex 6 Table 3-1              | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| CAN                 | GHS - Japan                                            | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM                 | GHS - Japan                                            | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                   |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)            | US EPA - DfE Safer Chemicals Ingredients list (SCIL)<br><br>Colorants - Green Circle (Verified Low Concern)                                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Cosmetics and Personal Care Products                            |

SUBSTANCE NOTES: The manufacturer did not disclose the CAS RN for this substance due to proprietary reasons. The data gaps were addressed using information from the Quartz database for common building materials and the Pharos database. It's important to note that the actual material used may not necessarily match the exact ingredient listed. This information is intended for screening purposes only.

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: Organic Compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities.

OTHER MATERIAL NOTES: Actual percentage of composition may be withheld to protect the actual formulation.

UNDISCLOSED

ID: Undisclosed

|                                                                                             |                      |                                                |                                           |                                       |
|---------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|-------------------------------------------|---------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                   |                      |                                                | HAZARD SCREENING DATE: 2025-02-21 4:48:32 |                                       |
| %: 99.9000 - 100.0000                                                                       | GreenScreen: LT-UNK  | RC: None                                       | NANO: No                                  | SUBSTANCE ROLE: Heat or UV stabilizer |
| 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: No residuals or impurities are expected to be present at or above 100 ppm. |                      |                                                |                                           |                                       |

ADDITIVE 2

%: 0.1000 - 1.0000

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                                                    |                                           |                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------|--|
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes |                                           | MATERIAL TYPE: Other: Organic Compound |  |
| RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual Fabric. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. |                      |                                                    |                                           |                                        |  |
| OTHER MATERIAL NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                                                    |                                           |                                        |  |
| UNDISCLOSED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      | ID: Undisclosed                                    |                                           |                                        |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                                                    | HAZARD SCREENING DATE: 2025-02-21 4:48:33 |                                        |  |
| %: 100.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GreenScreen: BM-3dg  | RC: None                                           | NANO: No                                  | SUBSTANCE ROLE: Antioxidant            |  |
| HAZARD TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LIST NAME AND SOURCE | WARNINGS                                           |                                           |                                        |  |
| EYE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GHS - New Zealand    | Eye irritation category 2                          |                                           |                                        |  |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LIST NAME AND SOURCE | NOTIFICATION                                       |                                           |                                        |  |
| None found                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | No listings found on Additional Hazard Lists       |                                           |                                        |  |
| SUBSTANCE NOTES: Per the Pharos database, no residuals or impurities are available for this substance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                                                    |                                           |                                        |  |

### 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                       | UL/GreenGuard Gold Certified    |                      |
|-------------------------------------|---------------------------------|----------------------|
| CERTIFYING PARTY: Third Party       | ISSUE DATE: 2023-10-18 00:00:00 | CERTIFIER OR LAB: UL |
| APPLICABLE FACILITIES: All          | EXPIRY DATE:                    |                      |
| CERTIFICATE URL:                    |                                 |                      |
| CERTIFICATION AND COMPLIANCE NOTES: |                                 |                      |

| MULTI-ATTRIBUTE                     | OEKO-TEX Standard 100           |                            |
|-------------------------------------|---------------------------------|----------------------------|
| CERTIFYING PARTY: Third Party       | ISSUE DATE: 2023-10-18 00:00:00 | CERTIFIER OR LAB: OEKO-TEX |
| APPLICABLE FACILITIES: All          | EXPIRY DATE:                    |                            |
| CERTIFICATE URL:                    |                                 |                            |
| CERTIFICATION AND COMPLIANCE NOTES: |                                 |                            |

### 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.*

| CONTACT SERIES TWO SHADING SYSTEM                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANUFACTURER (OR GENERIC): Rollease Acmeda                                                                                                                                                                                                                           |
| HPD URL: <a href="https://hpdrepository.hpd-collaborative.org/repository/HPDs/430_Rollease_Acmeda_Contract_Series_Two_Shading_System.pdf">https://hpdrepository.hpd-collaborative.org/repository/HPDs/430_Rollease_Acmeda_Contract_Series_Two_Shading_System.pdf</a> |
| ACCESSORY TYPE: Installation Accessory                                                                                                                                                                                                                               |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: This is a system for use with X-Weave Zero fabric.                                                                                                                                                        |

### Section 5: General Notes

This fabric is for a particular project; therefore, standard accessories are not applicable. For manufacturer-specific installation instructions, please visit the website: [www.rolleaseacmeda.com](http://www.rolleaseacmeda.com)

## MANUFACTURER INFORMATION

MANUFACTURER: **Rollease Acmeda**  
ADDRESS: **200 Harvard Ave**  
**Stamford, CT 06902**  
COUNTRY: **United States**

WEBSITE: **www.rolleaseacmeda.com**  
CONTACT NAME: **Lindsey DeSalvo**  
TITLE: **Product Manager- Fabric**  
PHONE: **203-590-5259**  
EMAIL: **lindsey.desalvo@rolleaseacmeda.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*

