

HPD UNIQUE IDENTIFIER: 29229

CLASSIFICATION: 12 24 13 Roller Window Shades

PRODUCT DESCRIPTION: Verona Twilight™ is a decorative blackout fabric constructed with a horizontal, slub texture and is composed of 100% polyester and an acrylic street side backing. Verona Twilight, in combination with Verona Daylight, allows for the versatility of using both a blackout fabric that provides complete light blockage, and a privacy fabric that provides natural daylighting; while at the same time, maintaining a consistent interior appearance with matching color lines and patterns.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|  |  |  |   |
|--|--|--|---|
| <p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p> | <p><b>Threshold Level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p> | <p><b>Residuals/Impurities Evaluation</b></p> <p><input type="radio"/> Completed</p> <p><input type="radio"/> Partially Completed</p> <p><input checked="" type="radio"/> Not Completed</p> <p><b>Explanation(s) provided :</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>For all contents above the threshold, the manufacturer has:</i></p> <p><b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p><b>Screened</b> <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p><b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p> |
|--|--|--|---|

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**  
**VERONA TWILIGHT™ [ POLYETHYLENE TEREPHTHALATE (PET) LT-P1 | RES | | MUL ACRYLATES NoGS DECABROMODIPHENYLETHANE (DBDPE) BM-1 | PBT ANTIMONY TRIOXIDE BM-1 | MUL | CAN | MAM | SKI | EYE | | AQU | GEN TITANIUM DIOXIDE LT-1 | CAN | END | | MUL | MAM | DEV | AQU | EYE DISPERSING AGENTS Not Screened ]**

Number of Greenscreen BM-4/BM3 contents ... 0  
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1, LT-1  
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

One or more of the substances inventoried were not disclosed by name or identifier due to proprietary compositions from suppliers. Only SDS level disclosure was available.

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  
 Other: ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

|  |  |  |
|--|--|--|
| <p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> | <p>PREPARER: Self-Prepared</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p> | <p>SCREENING DATE: 2022-07-19</p> <p>PUBLISHED DATE: 2022-07-19</p> <p>EXPIRY DATE: 2025-07-19</p> |
|--|--|--|

## 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)

### VERONA TWILIGHT™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: No evidence of residuals and impurities was identified by any supplier or found in the manufacturing process at a level greater than 100ppm. Therefore residuals and impurities were not considered.

OTHER PRODUCT NOTES: No alternate suppliers or materials are applicable for this product.

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-19 8:32:22

%: 50.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Textile component

| HAZARD TYPE         | AGENCY AND LIST TITLES             | WARNINGS  |
|---------------------|------------------------------------|---|
| RES                 | AOEC - Asthmagens<br>EC - CEPA DSL | Asthmagen (Rs) - sensitizer-induced<br>Persistent |
| MUL                 | EC - CEPA DSL                      | Inherently Toxic to Humans (iTH)                  |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES             | NOTIFICATION                                      |
| None found          |                                    | No listings found on Additional Hazard Lists      |

SUBSTANCE NOTES: Polyester base cloth.

### ACRYLATES

ID: Not registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-19 8:32:23

%: 32.0000 GreenScreen: NoGS 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 |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES | NOTIFICATION                                   |
| RESTRICTED LIST     | Perkins+Will (P+W)     | P&W - Precautionary List                       |

SUBSTANCE NOTES: Acrylic polymer used as the coating matrix for the fabric.

### DECABROMODIPHENYLETHANE (DBDPE)

ID: 84852-53-9

%: **13.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

| HAZARD TYPE         | AGENCY AND LIST TITLES                                  | WARNINGS  |
|---------------------|---|---|
| PBT                 | OSPAR - Priority PBTs & EDs & equivalent concern        | PBT - Chemical for Priority Action  |
| PBT                 | ChemSec - SIN List                                      | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)  |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES                                  | NOTIFICATION  |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021 |
| RESTRICTED LIST     | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals                           |
| RESTRICTED LIST     | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals                           |

SUBSTANCE NOTES: This Halogenated Flame Retardant is a REACH compliant component of the product's flame retardant system.

**ANTIMONY TRIOXIDE**ID: **1309-64-4**%: **3.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

| HAZARD TYPE | AGENCY AND LIST TITLES                    | 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         | 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] |
| MAM         | GHS - Korea                               | H302 - Harmful if swallowed [Acute toxicity (oral) - Category 4]  |
| SKI         | GHS - New Zealand                         | Skin irritation category 2  |
| EYE         | GHS - New Zealand                         | Eye irritation category 2   |
|             | EC - CEPA DSL                             | Persistent  |
| MUL         | Québec CSST - WHMIS 1988                  | Class D2A - Very toxic material causing other toxic effects       |
| 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] |
| MUL                 | EC - CEPA DSL   | Inherently Toxic to Humans (iTH)  |
| MAM                 | GHS - New Zealand                                       | Specific target organ toxicity - repeated exposure category 1   |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 1 - Low Hazard to Waters  |
| AQU                 | GHS - Japan   | H402 - Harmful to aquatic life [Hazardous to the aquatic environment (acute) - Category 3]  |
| 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]                                       |
| MUL                 | EC - CEPA DSL   | Inherently Toxic in the Environment (iTE)   |
| SKI                 | GHS - Korea   | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]   |
| MAM                 | GHS - Korea   | H332 - Harmful if inhaled [Acute toxicity (inhalation) - Category 4]  |
| AQU                 | GHS - Japan   | H412 - Harmful to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 3]                                    |
| AQU                 | GHS - Korea   | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| GEN                 | MAK   | Germ Cell Mutagen 3b  |
| MAM                 | GHS - Japan   | H303 - May be harmful if swallowed [Acute Toxicity (oral) - Category 5]   |
| CAN                 | GHS - Australia   | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| CAN                 | GHS - Korea   | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES                                  | NOTIFICATION  |
| RESTRICTED LIST     | Perkins+Will (P+W)                                      | P&W - Precautionary List  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021   |

**SUBSTANCE NOTES:** The Antimony Trioxide component of the product's flame retardant system is bonded in to the coating. Any associated health risks are based on contact with the powder form during manufacture of the raw ingredient.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-07-19 8:32:24**%: **1.0000** GreenScreen: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| 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]   |
|                     | EC - CEPA DSL                               | Persistent  |
| MUL                 | Québec CSST - WHMIS 1988                    | Class D2A - Very toxic material causing other toxic effects   |
| 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] |
| MUL                 | EC - CEPA DSL                               | Inherently Toxic to Humans (iTH)  |
| DEV                 | MAK   | Pregnancy Risk Group C  |
| CAN                 | EU - Annex VI CMRs                          | Carcinogen Category 2 - Suspected human Carcinogen  |
| AQU                 | GHS - Japan                                 | H413 - May cause long lasting harmful effects to aquatic life [Hazardous to the aquatic environment (chronic) - Category 4]                               |
| EYE                 | GHS - Japan                                 | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2B]  |
| MAM                 | GHS - Japan                                 | H335 or H336 [Specific target organs/systemic toxicity following single exposure - Category 3]  |
| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES                      | NOTIFICATION  |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA) | US EPA - DfE SCIL   |

SUBSTANCE NOTES: White Pigment filler used as a colorant for the fabric backing. The risk of titanium dioxide dust particle inhalation does not apply to the final product. The titanium dioxide particle size used is on the micrometric scale.

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%: **1.0000**      GreenScreen: **Not Screened**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Coating**

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

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| ADDITIONAL LISTINGS | AGENCY AND LIST TITLES | NOTIFICATION                                 |
|---------------------|------------------------|--|
| None found          |                        | No listings found on Additional Hazard Lists |

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SUBSTANCE NOTES: Dispersing agent used as an additive in the coating compound.

## 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: 2019-07-31       | CERTIFIER OR LAB: GreenGuard |
| APPLICABLE FACILITIES: All Facilities  | EXPIRY DATE:                 | Environmental Institute      |
| CERTIFICATE URL: <a href="https://spot.ul.com/main-app/products/detail/5d4328bb55b0e84e40c136d7?page_type=Products%20Catalog">https://spot.ul.com/main-app/products/detail/5d4328bb55b0e84e40c136d7?page_type=Products%20Catalog</a> |                              |                              |
| CERTIFICATION AND COMPLIANCE NOTES:  |                              |                              |

  

| OTHER                                 | ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive |                             |
|---------------------------------------|---|-----------------------------|
| CERTIFYING PARTY: Third Party         | ISSUE DATE: 2019-01-10  | CERTIFIER OR LAB: St. Louis |
| APPLICABLE FACILITIES: All Facilities | EXPIRY DATE:  | Testing Laboratories        |
| 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.*

No accessories are required for this product.

## Section 5: General Notes

Verona Twilight is 100% polyester fabric with an acrylic backing. Mermet offers a range of colors for the fabric, which are covered by this HPD. Health hazards and screenings completed by the HPDC Online Builder tool.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Mermet Corporation  
**ADDRESS:** 5970 N Main Street  
 Cowpens South Carolina 29330, United States  
**WEBSITE:** [www.MermetUSA.com](http://www.MermetUSA.com)

**CONTACT NAME:** Nathan Wintermute  
**TITLE:** Product Manager  
**PHONE:** 8644635439  
**EMAIL:** [nathan.wintermute@MermetUSA.com](mailto:nathan.wintermute@MermetUSA.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.*