

HPD UNIQUE IDENTIFIER: 17451927552

CLASSIFICATION: 12 24 13 Roller Window Shades

PRODUCT DESCRIPTION: Sofia Twilight is a decorative blackout fabric composed of polyester with an acrylic foam coating. Sofia Twilight provides complete privacy in 6 colors. All color options come in a bright white backing color as the industry standard. Sofia Twilight is PVC free, RoHS, Halogen FR-Free and Antimony FR-Free making it an ideal privacy option for environmental and health considerations. Sofia Twilight is fire rated for residential applications (ASTM E84 Class B) and is available in a width of 118 in (300 cm).

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

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
SOFIA TWILIGHT™ | POLYESTER FIBERS NoGS POLYACRYLIC COPOLYMER Not Screened TITANIUM DIOXIDE BM-1 | CAN | END | MAM KAOLIN LT-UNK | CAN ANTIMICROBIAL Not Screened |

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-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. SDS level disclosure was provided at a minimum.

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

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2023-11-27
PUBLISHED DATE: 2024-04-04
EXPIRY DATE: 2026-11-27

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

SOFIA 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.

POLYESTER FIBERS

ID: 80595-68-2

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

HAZARD SCREENING DATE: **2023-12-06 1:16:29**

%: **40.0000 - 50.0000**

GreenScreen: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Textile 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

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

POLYACRYLIC COPOLYMER

ID: **Not Registered**

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

HAZARD SCREENING DATE: **Not Screened**

%: **5.0000 - 20.0000**

GreenScreen: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

Hazard Screening not performed

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

Additional Hazard Screening not performed

SUBSTANCE NOTES: MIXTURE

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2023-12-06 1:18:54**

#: 10.0000 - 20.0000

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

| 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products |
| RESTRICTED LIST | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products |
| POSITIVE LIST | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern) |

SUBSTANCE NOTES:

KAOLIN

ID: **1332-58-7**

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

HAZARD SCREENING DATE: **2023-12-06 1:20:27**

#: 10.0000 - 20.0000

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

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

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

SUBSTANCE NOTES:

ANTIMICROBIAL

ID: **Not Registered**

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

#: **0.0500 - 2.0000** GreenScreen: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Bacteriostatic**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|--------------------------------|----------|
| | Hazard Screening not performed | |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|---|--------------|
| | Additional Hazard Screening not performed | |

SUBSTANCE NOTES: mixture

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: 2024-04-02 00:00:00 | CERTIFIER OR LAB: GreenGuard |
| APPLICABLE FACILITIES: All Facilities | EXPIRY DATE: | Environmental Institute |
| CERTIFICATE URL: | | |
| CERTIFICATION AND COMPLIANCE NOTES: | | |

| HAZARDOUS SUBSTANCES | ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive | |
|---------------------------------------|---|---------------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2024-01-29 00:00:00 | CERTIFIER OR LAB: IIA Lab |
| APPLICABLE FACILITIES: All Facilities | EXPIRY DATE: | Services |
| 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

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 North Main Street**
Cowpens, SC 29330
 COUNTRY: **United States**

WEBSITE: **www.MermetUSA.com**
 CONTACT NAME: **Nathan Wintermute**
 TITLE: **Product Manager**
 PHONE: **8644635439**
 EMAIL: **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

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

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible 1 (Possible Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS No GreenScreen. |
| BM-U 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, and Best Practices for Hazard Screening on the HPDC website (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

