

**CLASSIFICATION:** 12 24 13 Furnishings: Roller Window Shades

**PRODUCT DESCRIPTION:** E Screen Chroma™ is a high performance solar shade fabric with a reflective and durable aluminum backing. The fabric can reflect up to 82% of solar radiation for optimal thermal performance. E Screen Chroma is available in five designer colors and has a classic, basketweave construction for clear viewthrough and exceptional dimensional stability.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold level**

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

**Residuals/Impurities**

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No  
*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No  
*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**CONTENT IN DESCENDING ORDER OF QUANTITY**

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

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

**E SCREEN CHROMA™ [ PVC RELATED POLYMERS NoGS FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK DIPROPYLHEPTYL PHTHALATE (DPHP) BM-U | CAN ANTIMONY TRIOXIDE BM-1 | CAN | MUL BARIUM ZINC COMPLEX NoGS ZINC SULFIDE LT-UNK ACRYLATE NoGS POLYDIMETHYL SILOXANE LT-P1 | PBT ALUMINUM NoGS ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... 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. 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**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-04-16

PUBLISHED DATE: 2019-10-21

EXPIRY DATE: 2022-04-16



## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### E SCREEN CHROMA™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

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

OTHER PRODUCT NOTES: This HPD covers all colors of E Screen Chroma™ which leads to some variation in composition. No alternate supplier or materials are applicable for this product.

#### PVC RELATED POLYMERS

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-16

#: 40.00 - 44.00

GS: NoGS

RC: None

NANO: No

ROLE: Polymer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polymer coating

#### FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-16

#: 33.00 - 37.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Core Yarn

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Fiberglass core yarn to guarantee the mechanical properties of the coated yarn.

#### DIPROPYLHEPTYL PHTHALATE (DPHP)

ID: 53306-54-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-16

#: 15.00 - 19.00

GS: BM-U

RC: None

NANO: No

ROLE: Plasticizer

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

SUBSTANCE NOTES: Plasticizer mixture

## ANTIMONY TRIOXIDE

ID: 1309-64-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-16**

#: **2.00 - 2.50** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	GHS - Japan	Carcinogenicity - Category 1B [H350]

SUBSTANCE NOTES: Proprietary flame retardant system to improve the FR characteristics of the yarn. The Antimony Trioxide is bonded with the coating. Any associated health risks are based on contact with the powder form during manufacture of the raw ingredient.

## BARIUM ZINC COMPLEX

ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-16**

#: **1.90 - 2.30** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Thermal Stabilizer**

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

SUBSTANCE NOTES: Barium Zinc Complex used as a thermal stabilizer for the PVC resin. Heat stabilizer is not disclosed due to the proprietary composition from supplier. Only SDS level disclosure is available.

## ZINC SULFIDE

ID: 1314-98-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-16**

#: **1.00 - 3.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

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

SUBSTANCE NOTES: Due to the large range of colors provided by Mermet, only white pigment is included in this HPD.

### ACRYLATE

ID: 10344-93-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-16**

#: **0.80 - 1.20** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Coating**

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

SUBSTANCE NOTES: The coating blend is not disclosed due to the proprietary composition from supplier. Only SDS level disclosure is available.

### POLYDIMETHYL SILOXANE

ID: 9016-00-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-16**

#: **0.20 - 0.60** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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**PBT** **EC - CEPA DSL** **Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans**

SUBSTANCE NOTES: In the final product, this lubricant is bonded with the coating. Associated health risks are derived from contact and handling of the raw ingredient.

### ALUMINUM

ID: 91728-14-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-16**

#: **0.01** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Reflection**

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

SUBSTANCE NOTES: Ultra fine layer of aluminum, vacuum bonded to one side of the fabric. The product contains <0.0001 % aluminum in its composition.

## 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: **2015-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **GreenGuard**

APPLICABLE FACILITIES: **All Facilities**

**06-30**

**05-16**

**Environmental Institute**

CERTIFICATE URL: [https://spot.ul.com/main-app/products/detail/5ad1ebc855b0e82d946a6edf?page\\_type=Products%20Catalog](https://spot.ul.com/main-app/products/detail/5ad1ebc855b0e82d946a6edf?page_type=Products%20Catalog)

CERTIFICATION AND COMPLIANCE NOTES:

### OTHER

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

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **St. Louis**

APPLICABLE FACILITIES: **All Facilities**

**03-12**

**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

This HPD covers all colors of E Screen Chroma™ fabric. Health hazards and screenings completed by the HPDC Online Builder tool.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Mermet Corporation**  
ADDRESS: **5970 N Main Street**  
**Cowpens South Carolina 29330, United States**  
WEBSITE: **www.mermetusa.com**

CONTACT NAME: **Ali Fisher**  
TITLE: **Product Manager**  
PHONE: **8644635433**  
EMAIL: **ali.fisher@mermetusa.com**

## KEY

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**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### Recycled Types

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms

#### 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.*