

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

**PRODUCT DESCRIPTION:** PVC-free metallized roller shade fabric, made from 100% woven fiberglass with water based coating, and ultra-fine coating of aluminum. This high-performance shade fabric reflects up to 72% of solar radiation for heat control, and blocks up to 96% of all visible light for optical comfort. The fabric is non-flammable, smoke-free, VOC free, light weight, dimensionally stable, and comes in 7 colors.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**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

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No

*Percent Weight and Role Provided?*

**Screened**  Yes  No

*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No

*Name and Identifier Provided?*

**Threshold Disclosed Per**

- Material
- Product

**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**

**GREENSCREEN® REFLECT™ [ FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK POLYHYDROXYETHER-POLYURETHANE NoGS FLAME RETARDANTS (NITROGEN-PHOSPHORUS) NoGS FLUOROCARBON POLYMERS NoGS SILANOL NoGS POLYDIMETHYLSILOXANES LT-P1 | PBT ORGANIC PIGMENTS NoGS ALUMINUM LT-P1 | RES | END | PHY ]**

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1

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**

**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.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-07-24

PUBLISHED DATE: 2018-07-25

EXPIRY DATE: 2021-07-24



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

### GREENSCREEN® REFLECT™

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 the manufacturing process. Therefore residuals and impurities were not considered.

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

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

ID: 65997-17-3

#: 90.5000 - 93.5000 GS: LT-UNK RC: None NANO: No ROLE: Base Fabric

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Continuous filament fibrous glass

#### POLYHYDROXYETHER-POLYURETHANE

ID: Not Registered

#: 4.7000 - 7.3000 GS: NoGS RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Improves stability of glass fibers, extending the lifespan and improving the performance.

#### FLAME RETARDANTS (NITROGEN-PHOSPHORUS)

ID: Not registered

#: 1.2000 - 1.9000 GS: NoGS RC: None NANO: No ROLE: Flame Retardant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Dispersion mixture of Nitrogen and Phosphorus

**FLUOROCARBON POLYMERS**ID: **Not Registered**%: **0.3000 - 0.6000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Corrosion Resistance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This surface treatment helps to protect the metallization against corrosion and provides hydrophobic properties on surface.

**SILANOL**ID: **Not Registered**%: **0.2000 - 0.3000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Crosslinker**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A reactive cross-linker which forms a coating to encapsulate the fiber, generating high thermal insulation, as well as low coefficients of friction between the fibers themselves.

**POLYDIMETHYLSILOXANES**ID: **63148-62-9**%: **0.0100 - 0.0500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Anti-Foaming Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Surfactant and anti-foaming agent

**ORGANIC PIGMENTS**ID: **Not Registered**%: **0.0100 - 0.0200** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Various dry organic pigments

**ALUMINUM**ID: **7429-90-5**%: **0.0001** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Reflection**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

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**  
APPLICABLE FACILITIES: **All Facilities**  
CERTIFICATE URL: [https://spot.ul.com/main-app/products/detail/5ad1eb7055b0e82d946a64f8?keywords=greenscreen%2Breflect&page\\_type=Products%20Catalog](https://spot.ul.com/main-app/products/detail/5ad1eb7055b0e82d946a64f8?keywords=greenscreen%2Breflect&page_type=Products%20Catalog)

ISSUE DATE: **2008-06-03**    EXPIRY DATE: **2019-11-16**    CERTIFIER OR LAB: **GreenGuard Environmental Institute**

CERTIFICATION AND COMPLIANCE NOTES:

### OTHER

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

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **All Facilities**  
CERTIFICATE URL:

ISSUE DATE: **2015-01-09**    EXPIRY DATE:    CERTIFIER OR LAB: **St. Louis Testing Laboratories**

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

PVC-free metallized roller shade fabric, made from 100% woven fiberglass with water based coating, and ultra-fine coating of aluminum. This high-performance shade fabric reflects up to 72% of solar radiation for heat control, and blocks up to 96% of all visible light for optical comfort. The fabric is non-flammable, smoke-free, VOC free, light weight, dimensionally stable, and comes in 7 colors. 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.*