

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 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
One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

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
GREENSCREEN® REFLECT™ | FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT **LT-UNK** **POLYHYDROXYETHER-POLYURETHANE** Not Screened
FLAME RETARDANTS (ANTIMONY TRIOXIDE) NoGS **FLUOROCARBON POLYMERS** Not Screened **SILANOL** Not Screened
POLYDIMETHYLSILOXANES **LT-P1** | **PBT** **ORGANIC PIGMENTS** Not Screened **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

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.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-07-24

PUBLISHED DATE: 2019-04-19

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

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-07-24

#: 90.5000 - 93.5000

GS: LT-UNK

RC: None

NANO: No

ROLE: Base Fabric

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Continuous filament fibrous glass

POLYHYDROXYETHER-POLYURETHANE

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-07-24

#: 4.7000 - 7.3000

GS: Not Screened

RC: None

NANO: No

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

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

FLAME RETARDANTS (ANTIMONY TRIOXIDE)

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-07-24

#: 1.2000 - 1.9000

GS: NoGS

RC: None

NANO: No

ROLE: Flame Retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Dispersion mixture of Nitrogen and Phosphorus

FLUOROCARBON POLYMERSID: **Not Registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-24**%: **0.3000 - 0.6000**GS: **Not Screened**RC: **None**NANO: **No**ROLE: **Corrosion Resistance**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

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

SILANOLID: **Not Registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-24**%: **0.2000 - 0.3000**GS: **Not Screened**RC: **None**NANO: **No**ROLE: **Crosslinker**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

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.

POLYDIMETHYLSILOXANESID: **63148-62-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-24**%: **0.0100 - 0.0500**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Anti-Foaming Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Surfactant and anti-foaming agent

ORGANIC PIGMENTSID: **Not Registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-24**%: **0.0100 - 0.0200**GS: **Not Screened**RC: **None**NANO: **No**ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Various dry organic pigments

ALUMINUM

ID: 7429-90-5

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

HAZARD SCREENING DATE: **2018-07-24**

#: **0.0001**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Reflection**

HAZARD TYPE

AGENCY AND LIST TITLES

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

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2008-06-03	2019-11-16	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
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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

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**
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KEY

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

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

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