

HPD UNIQUE IDENTIFIER: 20594

CLASSIFICATION: 12 24 13 Furnishings: Roller Window Shades

PRODUCT DESCRIPTION: Sustainable window shade fabric, made from recycled water bottles. 100% PVC-free Polyester, of which up to 78% is made up of REPREVE® fibers, made from 100% post-industrial and consumer plastic waste.

## 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  
 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 EVOLVE® [ POLYETHYLENE TEREPHTHALATE (PET) (POST-CONSUMER RECYCLED) LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK PHOSPHORUS FR POLYURETHANE Not Screened UV ABSORBER LT-UNK BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- (COLORANT) LT-UNK UNDISCLOSED NoGS PHOSPHONIC ACID, METHYL-, BIS[(5-ETHYL-2-METHYL-1,3,2-DIOXAPHOSPHORINAN-5-YL)METHYL] ESTER, P,P'-DIOXIDE NoGS TRIETHANOLAMINE LT-P1 | RES | END ]**

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  
Multi-attribute: Cradle to Cradle Certified - Bronze (V3.1)  
Recycled content: SCS Recycled Content Certification - Products

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-03-08

PUBLISHED DATE: 2020-06-15

EXPIRY DATE: 2021-03-08



# 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)

## GREENSCREEN EVOLVE®

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.

### POLYETHYLENE TEREPHTHALATE (PET) (POST-CONSUMER RECYCLED)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-03-08

#: 67.0000 - 78.0000

GS: LT-UNK

RC: Both

NANO: No

SUBSTANCE ROLE: Textile component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: REPREVE® SD Round Textured Polyester. REPREVE® Hybrid Polyester Yarn is made of 100% recycled polyester content with at least 35% post-consumer recycled content and at least 65% pre-consumer recycled content. REPREVE® Conforms to the SCS Recycled Content Standard V6-0.

Mermet offers a range openness factors using the material covered in this HPD which leads to variation in the required percentage of this substance in the composition.

The total percentage of PET in GreenScreen Evolve® (REPREVE® and Semi-Dull) is is 97%

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-03-08

#: 19.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Textile component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Semi-Dull RD Textured Polyester/ Base Fabric. Mermet offers a range openness factors using the material covered in this HPD which leads to variation in the required percentage of this substance in the composition. The total percentage of PET in GreenScreen Evolve® (REPREVE® and Semi-Dull) is is 97%.

### PHOSPHORUS FR POLYURETHANE

ID: Not Registered

%: **0.9100** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Stiffening agent and flame retardant. FR property comes from phosphorus containing component that was grafted onto the aliphatic polyurethane. There is no halogenated component involved. This is not a hazardous mixture.**

**UV ABSORBER**ID: **154825-62-4**%: **0.8800** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Heat or UV stabilizer**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

**None found** No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **UV Absorber. Not a hazardous substance.**

**BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- (COLORANT)**ID: **5124-25-4**%: **0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dye**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

**None found** No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Various Disperse Colorants. Mermet offers a range colors using the material covered in this HPD. CAS # 5124-25-4 is a representative substance for this range.**

**UNDISCLOSED**%: **0.0000 - 0.2500** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

**None found** No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Proprietary component of the Phosphate FR system. Not a hazardous mixture. Documentation deems the substance an environmentally benign phosphate flame retardant.**

**PHOSPHONIC ACID, METHYL-, BIS[(5-ETHYL-2-METHYL-1,3,2-DIOXAPHOSPHORINAN-5-YL)METHYL] ESTER, P,P'-DIOXIDE**ID: **Undisclosed**

%: **0.0000 - 0.1100**GS: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Component of the Phosphate FR system. Not a hazardous mixture. Documentation deems the substance an environmentally benign phosphate flame retardant.

**TRIETHANOLAMINE**ID: **102-71-6**%: **0.0000 - 0.0300**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY**

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Triethanolamine is <3% of of the FR system. The FR system is not a hazardous mixture. Documentation deems the substance an environmentally benign phosphate flame retardant.

## 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.ulprospector.com/en/na/BuiltEnvironment/Detail/32302/668776/GreenScreen-Evolve?st=1&sl=58204099&crit=a2V5d29yZDpbZXZvbHZlXQ%3d%3d&ss=2&k=evolve&t=evolve>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2008-06-03	2021-05-16	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:

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2014-08-07**

EXPIRY DATE:

CERTIFIER OR LAB: **St. Louis Testing Laboratories**

### MULTI-ATTRIBUTE

#### Cradle to Cradle Certified - Bronze (V3.1)

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All Facilities**

CERTIFICATE URL:

[http://www.c2ccertified.org/products/scorecard/greenscreen\\_revive](http://www.c2ccertified.org/products/scorecard/greenscreen_revive)

ISSUE DATE:

2018-01-30

EXPIRY DATE:

2020-04-29

CERTIFIER OR LAB:

McDonough Braungart Design Chemistry (MBDC)

CERTIFICATION AND COMPLIANCE NOTES: GreenScreen® Evolve™ is a translucent polyester fabric offered in 1%, 3%, 5%, and 10% openness that is designed to be recyclable. Evolve contains REPREVE® fibers made from postindustrial and consumer plastic waste. Evolve has a diamond knit pattern for views, texture, and luminosity. It is offered in a 118" width, and it comes in a palette of nine colors.

### RECYCLED CONTENT

#### SCS Recycled Content Certification - Products

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All Facilities**

CERTIFICATE URL:

[https://www.scsglobalservices.com/certified-green-products-guide?pd\\_pid=465](https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=465)

ISSUE DATE: **2017-09-01**

EXPIRY DATE: **2020-07-31**

CERTIFIER OR LAB: **SCS Global Services**

CERTIFICATION AND COMPLIANCE NOTES: REPREVE® Yarn Conforms to the SCS Recycled Content Standard V7-0 for a 100% with at least 35% Post- Consumer and Balance 65% Pre-Consumer Polyester Content. Material quantification and mass-balance calculations completed on a dry-weight basis.

### OTHER

#### SCS Certified Responsible Source

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2013-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **All Facilities**

**05-24**

**07-31**

**Services**

CERTIFICATE URL:

[https://www.scsglobalservices.com/certified-green-products-guide?pd\\_pid=465](https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=465)

CERTIFICATION AND COMPLIANCE NOTES: **REPREVE® Yarn Conforms to the SCS Responsible Source Standard, V1.0 for Chip, Pellets, and Manufactured Fibers. The products manufactured meet all minimum responsible sourcing requirements for recycled content, social, environmental health and performance requirements.**

## **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**

The PET base fabric in GreenScreen® Evolve™ contains up to 78% REPREVE® fibers made from 100% recycled post-industrial fiber and consumer plastic waste. REPREVE® Hybrid Polyester Yarn is made of 100% recycled polyester content with at least 35% post-consumer recycled content and at least 65% pre-consumer recycled content. REPREVE® Conforms to the SCS Recycled Content Standard V6-0. 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: **Nathan Wintermute**  
 TITLE: **Product & Testing Engineer**  
 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

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### 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-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

### 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.*