GreenScreen Revive®
by Mermet Corporation

HPD UNIQUE IDENTIFIER: 21695
CLASSIFICATION: 12 24 13 Roller Window Shades
PRODUCT DESCRIPTION: Sustainable window shade fabric, made from recycled water bottles. 100% PVC-free Polyester, of which 89% is post consumer recycled content. Each yard of GreenScreen Revive® fabric contains 11 recycled bottles.

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

All Substances Above the Threshold Indicated Are:
- Characterized
- Screened
- Identified

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 REVIVE® | POLYETHYLENE TEREPTHALATE (PET) (POST-CONSUMER RECYCLED) | LT-UNK | POLYETHYLENE TEREPTHALATE (PET) | LT-UNK | METHYLPHOSPHONIC ACID, COMPOUND WITH AMIDINOUREA (1:1) (FLOVAN CGN) NoGS | BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- (COLORANT) | LT-UNK | 1,2,3-BENZOTRIAZIN-4(1H)-ONE NoGS |

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
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.

VOC CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: UL/GreenGuard Gold Certified
Recycled content: SCS Recycled Content Certification - Products
Other: SCS Certified Responsible Source
Other: ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2
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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

GREENSCREEN REVIVE®

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: Mermet offers a range colors using the material covered in this HPD which leads to some variation in composition. No alternate suppliers or materials are applicable for this product.

POLYETHYLENE TEREPHTHALATE (PET) (POST-CONSUMER RECYCLED)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2018-06-25

%: 78.6900 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.

POLYETHYLENE TEREPHTHALATE (PET)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2018-06-25

%: 9.7300 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

METHYLPHOSPHONIC ACID, COMPOUND WITH AMIDINOUREA (1:1) (FLOVAN CGN)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2018-06-25

%: 7.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Flame retardant

GreenScreen Revive
hpdrepository.hpd-collaborative.org
<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Phosphonate-based flame retardant

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**BENZENESULFONAMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)-**
(COLORANT)  
**ID:** 5124-25-4

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-25

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>SUBSTANCE ROLE:</th>
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</thead>
<tbody>
<tr>
<td>3.0000 - 4.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Dye</td>
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<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
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</tbody>
</table>

**SUBSTANCE NOTES:** Varied Disperse Colorants. Mermet offers a range of colors using the material covered in this HPD which leads to some variation in the required percentage of this substance in the composition. CAS # 5124-25-4 is a representative substance for this group.

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**1,2,3-BENZOTRIAZIN-4(1H)-ONE**  
**ID:** 90-16-4

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-06-25

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>SUBSTANCE ROLE:</th>
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</thead>
<tbody>
<tr>
<td>0.8000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Heat or UV stabilizer</td>
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</table>

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
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</tbody>
</table>

**SUBSTANCE NOTES:** UV Inhibitor Benzotriazine Derivative. 154835-62-4 is an alternative CAS # for this substance.
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

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>UL/GreenGuard Gold Certified</th>
<th>Issue Date</th>
<th>Expiry Date</th>
<th>Certifier or Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
<td>2008-06-03</td>
<td>2021-05-16</td>
<td>GreenGuard</td>
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</tbody>
</table>

**Applicable Facilities:** All Facilities

**Certificate URL:**
https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32302/656418/GreenScreen-Revive?st=1&sl=58193909&crit=a2V5d29yZDpbcV2aXZlXQ%3d%3d&ss=2&k=revive&t=revive

**Certification and Compliance Notes:**

### RECYCLED CONTENT

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>SCS Recycled Content Certification - Products</th>
<th>Issue Date</th>
<th>Expiry Date</th>
<th>Certifier or Lab</th>
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<tr>
<td>Third Party</td>
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<td>2017-09-01</td>
<td>2020-07-31</td>
<td>SCS Global Services</td>
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</tbody>
</table>

**Applicable Facilities:** All Facilities

**Certificate URL:**

**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

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>SCS Certified Responsible Source</th>
<th>Issue Date</th>
<th>Expiry Date</th>
<th>Certifier or Lab</th>
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<tbody>
<tr>
<td>Third Party</td>
<td></td>
<td>2013-05-24</td>
<td>2020-07-31</td>
<td>SCS Global Services</td>
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**Applicable Facilities:** All Facilities

**Certificate URL:**

**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.

### OTHER

<table>
<thead>
<tr>
<th>Certifying Party</th>
<th>ROHS 2-2011/65/EU Restriction of Hazardous Substances Directive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td></td>
</tr>
</tbody>
</table>

**Applicable Facilities:** All Facilities

**Certificate URL:**

**Certification and Compliance Notes:**

### MULTI-ATTRIBUTE

<table>
<thead>
<tr>
<th>Cradle to Cradle Certified - Bronze (V3.1)</th>
</tr>
</thead>
</table>
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 Revive® contains 84% 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.
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.