GREENSCREEN EVOLVE® [ POLYETHYLENE TEREPHTHALATE (PET) [POST-CONSUMER RECYCLED] LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK PHOSPHORUS FR POLYURETHANE NoGS 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 ]

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.
## 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)

<table>
<thead>
<tr>
<th>GREENSCREEN EVOLVE®</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 100 ppm</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong> No</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> No evidence of residuals and impurities was identified by any supplier or found in the manufacturing process. Therefore residuals and impurities were not considered.</td>
</tr>
<tr>
<td><strong>OTHER PRODUCT NOTES:</strong> No alternate supplier or materials are applicable for this product.</td>
</tr>
</tbody>
</table>

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

**ID:** 25038-59-9

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

**HAZARD SCREENING DATE:** 2018-03-08

**%:** 67.00 - 78.00

**GS:** LT-UNK

**RC:** Both

**NANO:** No

**ROLE:** Base Fabric

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

**%:** 19.00 - 30.00

**GS:** LT-UNK

**RC:** None

**NANO:** No

**ROLE:** Base Fabric

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

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

**HAZARD SCREENING DATE:** 2018-03-08
**Stiffening Agent**

**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.

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**UV Absorber**

**ID:** 154825-62-4

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

**HAZARD SCREENING DATE:** 2018-03-08

**%:** 0.88

**GS:** LT-UNK

**RC:** None

**NANO:** No

**ROLE:** UV Absorber

**WARNINGS:**
None found

**SUBSTANCE NOTES:**
No warnings found on HPD Priority Hazard Lists

**UV Absorber**

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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:** 2018-03-08

**%:** 0.50

**GS:** LT-UNK

**RC:** None

**NANO:** No

**ROLE:** Colorant

**WARNINGS:**
None found

**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.

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**Undisclosed**

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

**HAZARD SCREENING DATE:** 2018-03-08

**%:** 0.00 - 0.25

**GS:** NoGS

**RC:** None

**NANO:** No

**ROLE:** Flame Retardant

**WARNINGS:**
None found

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

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**Phosphonic Acid, Methyl-, Bis[(5-Ethyl-2-Methyl-1,3,2-dioxaphosphorinan-5-Yl)methyl] Ester, P,P'-Dioxide**

**ID:** Undisclosed

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

**HAZARD SCREENING DATE:** 2018-03-08
### TRIETHANOLAMINE

**ID:** 102-71-6

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

**HAZARD SCREENING DATE:** 2018-03-08

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 - 0.03</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Flame Retardant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
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</tbody>
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**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.
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>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></td>
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</tbody>
</table>

#### 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=a2V5d29yZDpbZWXvbHZIXQ%3d%3d&ss=2&k=evolve&t=evolve  
**ISSUE DATE:** 2008-06-03  
**EXPIRY DATE:** 2021-05-16  
**CERTIFIER OR LAB:** GreenGuard Environmental Institute

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

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<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>St. Louis Testing Laboratories</th>
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**CERTIFICATION AND COMPLIANCE NOTES:**

**MULTI-ATTRIBUTE**  
Cradle to Cradle Certified - Bronze (V3.1)

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<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>McDonough Braungart Design Chemistry (MBDC)</th>
</tr>
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</table>

**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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>SCS Global Services</th>
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</table>

**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
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

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

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

<table>
<thead>
<tr>
<th>AQU</th>
<th>Aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
</tbody>
</table>

GLO Global warming
MAM Mammalian/systemic/toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

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.