Section 1: Summary

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 in 1 of 1 Materials

Are All Substances Above the Threshold Indicated:
- Characterized
  - Percent Weight and Role Provided?
- Screened
  - Using Priority Hazard Lists with Results Disclosed?
- Identified
  - Name and Identifier Provided?

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 SCOPE | HAZARD TYPE
--------- | ------------ | ------------------- | ------------------ | ---------
POLYESTER/POLYETHYLENE BLEND | POLYESTER (POLYESTER) | NGGS | LT-UNK
POLYESTER/POLYETHYLENE BLEND | POLYETHYLENE (POLYETHYLENE) | LT-UNK |

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:
Contents: 67% Recycled Polyester (44% Post Industrial, 23% Post Consumer), 33% Polyethylene, and based on mill feedback, there on further finishes or processes.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #: No certification data provided.

SCREENING DATE: 2016-12-19
PUBLISHED DATE: 2017-09-07
EXPIRY DATE: 2019-12-19
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

### POLYESTER/POLYETHYLENE BLEND

<table>
<thead>
<tr>
<th>%: 100.0000 - 100.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 1000 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: Yes</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: Based on mill feedback, there are no known impurities in this material.</td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
</tr>
</tbody>
</table>

#### POLYESTER (POLYESTER)

<table>
<thead>
<tr>
<th>%: 67.0000 - 67.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: NoGS</td>
</tr>
<tr>
<td>RC: Both</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>ROLE: BASE YARN</td>
</tr>
<tr>
<td>HAZARDS: None Found</td>
</tr>
<tr>
<td>AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: POLYESTER CONSISTS OF 44% Post Industrial, 23% Post Consumer

#### POLYETHYLENE (POLYETHYLENE)

<table>
<thead>
<tr>
<th>%: 33.0000 - 33.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>ROLE: BASE YARN</td>
</tr>
<tr>
<td>HAZARDS: None Found</td>
</tr>
<tr>
<td>AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: BASE YARN IN THE MATERIAL.

### 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.

### Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or CODE 5376)

www.hpd-collaborative.org
No accessories are required for this product.

Section 5: General Notes

Contents: 67% Recycled Polyester (44% Post Industrial, 23% Post Consumer), 33% Polyethylene. This acoustically transparent textile mimics raised Braille textures using a high sheen yarn in contrast to a matte yarn bringing the pattern to life.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: carnegie fabrics
ADDRESS: 110 north center avenue
ROCKVILLE CENTER New York 11570, United States
WEBSITE: http://www.carnegiefabrics.com

CONTACT NAME: CHARLES GRIFFIN
TITLE: DIRECTOR of TECHNICAL SERVICES.
PHONE: 5163073756
EMAIL: CGRIFFIN@CARNEGIEFABRICS.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

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ 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 Unspec ed (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

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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.