

CLASSIFICATION: 097200

created via: HPDC Online Builder

PRODUCT DESCRIPTION: High performing material (Wallcovering, panel, upholstery) sourced from rapidly renewable sugarcane plant, instead of fossil fuels. Patterns: Abacus, Antoinette, Artisan, Axis, Braid, Bridgette, Bridgette, Coco, Coulette, Dash, Deco, Flashback, Fragment, Hoop, Luxe, Moire Stripe, Nexus, Pipeline, Spire, Strie, Tangle, Topiary, Twine, Veneer, Zipper.

## 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

Are All Substances Above the Threshold Indicated:

**Characterized**  Yes  No  
Percent Weight and Role Provided?

**Screened**  Yes  No  
Using Priority Hazard Lists with Results Disclosed?

**Identified**  Yes  No  
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 SCORE** | HAZARD TYPE

**POLYETHYLENE (BIO-BASED)** | **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:

The product has been screened and reviewed by 3rd party certification services.

### 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: SCS INDOOR ADVANTAGE GOLD  
Multi-attribute: CRADLE TO CRADLE gold  
Material content migration: MATERIAL HEALTH DECLARARATION PLATINUM  
Multi-attribute: FACT CERTIFICATION

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-08-02

PUBLISHED DATE: 2017-08-02

EXPIRY DATE: 2020-08-02

## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### POLYETHYLENE (BIO-BASED)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This product was thoroughly tested for hazardous substances and had it chemical inventory review by 3rd party certification services and no known impurities were found in this product.

OTHER PRODUCT NOTES: Bio portion of the final yarns

#### POLYETHYLENE

ID: 9002-88-4

#: 100.0000 - 100.0000 GS: LT-UNK RC: None NANO: No ROLE: Main component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This product's chemical inventory has been reviewed by 3rd party certification services and tested for hazardous substances by independent testing labs, and no known impurities were found in this product.

## 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

### SCS INDOOR ADVANTAGE GOLD

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: ALL FACILITIES  
CERTIFICATE URL:  
[https://www.scs-certified.com/products/cert\\_pdfs/CarnegieFabrics\\_2016\\_SCS-IAQ-01468\\_s.pdf](https://www.scs-certified.com/products/cert_pdfs/CarnegieFabrics_2016_SCS-IAQ-01468_s.pdf)

ISSUE DATE: 2016-05-01  
EXPIRY DATE: 2017-04-30  
CERTIFIER OR LAB: Berkeley Analytical

CERTIFICATION AND COMPLIANCE NOTES: Since 1981 the solution for sustainable, performance oriented interiors has been Xorel Fabrics. Unlike vinyls, Xorel is woven from polyethylene and is chlorine and plasticizer free. It is extremely safe in its manufacture, use and disposal. Xorel Fabrics are incredibly durable, easily cleaned, flame retardant and present none of the environmental problems attributed to vinyl by its critics. In fact, Xorel Fabrics are recognized by Greenpeace as a viable alternative to vinyl.

### MULTI-ATTRIBUTE

### CRADLE TO CRADLE gold

CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-11-05	EXPIRY DATE: 2017-11-05	CERTIFIER OR LAB: CRADLE TO CRADLE
APPLICABLE FACILITIES: ALL FACILITIES			
CERTIFICATE URL: <a href="http://www.c2ccertified.org/products/scorecard/xorel">http://www.c2ccertified.org/products/scorecard/xorel</a>			

CERTIFICATION AND COMPLIANCE NOTES: Xorel Fabrics are designed for use as wallcovering, upholstery, and panel fabric for interior finishes. This product is woven from polyethylene yarns, and designed to be durable, easy to clean, and colorfast without the use of finishes or coatings. Xorel is offered in dozens of patterns in hundreds of standard colorways. The bio-based version, Xorel® Bio, is made of polyethylene yarn derived from plant-based resources.

## MATERIAL CONTENT MIGRATION

## MATERIAL HEALTH DECLARATION PLATINUM

CERTIFYING PARTY: Third Party	ISSUE DATE: 2015-11-04	EXPIRY DATE: 2017-11-05	CERTIFIER OR LAB: CRADLE TO CRADLE
APPLICABLE FACILITIES: ALL			
CERTIFICATE URL: <a href="http://www.c2ccertified.org/products/mhcertificate/xorel">http://www.c2ccertified.org/products/mhcertificate/xorel</a>			

CERTIFICATION AND COMPLIANCE NOTES: xorel Fabrics are designed for use as wallcovering, upholstery, and panel fabric for interior finishes. This product is woven from polyethylene yarns, and designed to be durable, easy to clean, and colorfast without the use of finishes or coatings. Xorel is offered in dozens of patterns in hundreds of standard colorways. The bio-based version, Xorel® Bio, is made of polyethylene yarn derived from plant-based resources.

## MULTI-ATTRIBUTE

## FACT CERTIFICATION

CERTIFYING PARTY: Third Party	ISSUE DATE: 2014-03-26	EXPIRY DATE: 2017-12-31	CERTIFIER OR LAB: NSF
APPLICABLE FACILITIES: ALL FACILITIES			
CERTIFICATE URL: <a href="http://info.nsf.org/Certified/Sustain/ProdCert/C0140156-101.pdf">http://info.nsf.org/Certified/Sustain/ProdCert/C0140156-101.pdf</a>			

CERTIFICATION AND COMPLIANCE NOTES: Multi-attribute review

## 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.*

## Section 5: General Notes

Bio-Xorel is a Polyethylene material with no known residuals or impurities.

## Section 6: References

## MANUFACTURER INFORMATION

MANUFACTURER: **carnegie fabrics**

CONTACT NAME: **CHARLES GRIFFIN**

ADDRESS: **110 north center avenue**

TITLE: **DIRECTOR of TECHNICAL SERVICES.**

WEBSITE: **WWW.CARNEGIEFABRICS.COM**

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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

## GreenScreen (GS)

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

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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.*