

CLASSIFICATION: 12 0520

PRODUCT DESCRIPTION: Xorel fabric for use as panel

## Section 1: Summary

## Nested 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

Residuals/Impurities  
Considered in 1 of 1 Materials

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 [ 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:

Xorel yarns have been screened by credible, 3rd party assessors

### 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: CDPH Standard Method V1.1 (Section 01350/CHPS) - Zero  
VOC emissions  
VOC content: SCS Indoor Advantage Gold - Formaldehyde Free + Residential  
Multi-attribute: Cradle to Cradle Certified - Gold (V3.1)

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-08-15

PUBLISHED DATE: 2018-08-15

EXPIRY DATE: 2021-08-15



## 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

#: 100.0000 - 100.0000

HPD URL: <http://www.carnegiefabrics.com>

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: THERE ARE NO KNOWN IMPURITIES IN THESE PATTERNS.

OTHER MATERIAL NOTES:

### POLYETHYLENE

ID: 9002-88-4

#: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: BASE YARN

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE 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.

## 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

#### CDPH Standard Method V1.1 (Section 01350/CHPS) - Zero VOC emissions

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-05-01**

EXPIRY DATE: **2019-05-01**

CERTIFIER OR LAB: **Berkeley Analytical**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

<http://www.c2ccertified.org/products/mhcertificate/xorel>

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.

### VOC CONTENT

#### SCS Indoor Advantage Gold - Formaldehyde Free + Residential

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-05-01**

EXPIRY DATE: **2019-05-01**

CERTIFIER OR LAB: **SCS GLOBAL SERVICES**

APPLICABLE FACILITIES: **all facilities**

CERTIFICATE URL:

[https://www.scsglobalservices.com/certified-green-products-guide?pd\\_pid=99](https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=99)

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 Certified - Gold (V3.1)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-05-01**

EXPIRY DATE: **2019-05-01**

CERTIFIER OR LAB: **CRADLE TO CRADLE**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

<http://www.c2ccertified.org/products/scorecard/xorel>

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.

## 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

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.



## MANUFACTURER INFORMATION

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MANUFACTURER: **carnegie fabrics**  
 ADDRESS: **110 N CENTRE AVE, CARNEGIE FABRICS**  
**110 N CENTRE AVE, CARNEGIE FABRICS**  
**ROCKVILLE CENTER NY 11570, United States**  
 WEBSITE: **WWW.CARNEGIEFABRICS.COM**

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

## KEY

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**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

*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.*