

CLASSIFICATION: 12 05 13 Fabrics

PRODUCT DESCRIPTION: Don't be fooled by the luxurious hand. Woven of 100% recycled polyester, a remarkable new finishing technique gives Abacus the look of virgin wool, at 84,000 double rubs. Designed for upholstery and wrapped panel applications.

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 0 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

**ASST FABRIC COMPONENTS** [ **POLYETHYLENE TEREPHTHALATE (PET)**  
**LT-UNK** **ANTIMONY TRIOXIDE** **BM-1** | CAN | AQU | MUL **TITANIUM DIOXIDE**  
**LT-1** | CAN | END **FINISH OIL COLOR PIGMENT CATALYST** **ANTIMONY**  
**TRIOXIDE** **BM-1** | CAN | AQU | MUL **MANGANESE OXIDE** **LT-P1** | REP  
**NITROGEN** **NoGS** **ZINC OXIDE** **BM-1** | RES | AQU | MUL ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen  
Benchmark or List translator Score ... BM-1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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: UL/GreenGuard Certified  
Multi-attribute: Cradle to Cradle Certified - Bronze (V3.1)  
Management: ISO 14001:2004 Environmental management systems  
Management: ISO 9001:2008 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-08-01

PUBLISHED DATE: 2018-08-01

EXPIRY DATE: 2021-08-01



## 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)

### ASST FABRIC COMPONENTS

%: 100.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities for known ingredients have been considered.

OTHER MATERIAL NOTES: Product is compliant with Healthier Hospitals Initiative and Perkins + Wills Precautionary List.

### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 95.0000 - 99.9900

GS: LT-UNK

RC: Both

NANO: No

ROLE: Warp and Weft

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Refer to product page on KnollTextiles website for PCR/ PIR content.

### ANTIMONY TRIOXIDE

ID: 1309-64-4

%: 0.0100 - 1.0000

GS: BM-1

RC: None

NANO: No

ROLE: Catalyst

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

CANCER

Japan - GHS

Carcinogenicity - Category 1B

SUBSTANCE NOTES: Used as a Catalyst to manufacture PET.

### TITANIUM DIOXIDE

ID: 13463-67-7

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0100 - 3.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Unknown</b>
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
SUBSTANCE NOTES: <b>Part of fiber.</b>		

**FINISH OIL** ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0100 - 2.0000</b>	GS:	RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Unknown</b>
None Found	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: <b>CAS number is component dependent.</b>		

**COLOR PIGMENT** ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0100 - 2.0000</b>	GS:	RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Unknown</b>
None Found	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: <b>CAS number is component dependent.</b>		

**CATALYST** ID: **Undisclosed**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0100 - 1.0000</b>	GS:	RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Unknown</b>
None Found	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: <b>CAS number is component dependent.</b>		

**ANTIMONY TRIOXIDE** ID: **1309-64-4**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>Impurity/Residual</b>	GS: <b>BM-1</b>	RC: <b>UNK</b> NANO: <b>No</b> ROLE: <b>Impurity/Residual</b>

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	Japan - GHS	Carcinogenicity - Category 1B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### MANGANESE OXIDE

ID: 1317-34-6

#: **Impurity/Residual**      GS: **LT-P1**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### NITROGEN

ID: 7727-37-9

#: **Impurity/Residual**      GS: **NoGS**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### ZINC OXIDE

ID: 1314-13-2

#: **Impurity/Residual**      GS: **BM-1**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters



## 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

### UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2003-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

**04-30**

**10-29**

**Environment Inc.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011(R2016) and determined to comply with ANSI/BIFMA X7.1-2011(R2016) and ANSI/BIFMA e3-2014e Credit 7.6.1. Seating products are modeled in the seating environment with a ventilation rate of 24.8 m<sup>3</sup>/hour. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.**

### MULTI-ATTRIBUTE

### Cradle to Cradle Certified - Bronze (V3.1)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **N/A**

**06-02**

**06-01**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### MANAGEMENT

### ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **NSF**

APPLICABLE FACILITIES: **N/A**

**07-17**

**07-09**

**International**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **N/A**

### MANAGEMENT

### ISO 9001:2008 Quality management systems

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **NSF ISR**

APPLICABLE FACILITIES: **N/A**

**03-24**

**07-02**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **N/A**

### MULTI-ATTRIBUTE

### NSF/ANSI 336: Sustainability Standard for Commercial Furnishings Fabric - 2011 Gold

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2014-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **N/A**

**07-22**

**01-31**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **N/A**

## 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

Textile warehousing and shipping from KnollTextiles, LUBIN Building, East Greenville, Pennsylvania facility. The East Greenville Pennsylvania textile warehouse and shipping, furniture manufacturing and commercial interiors facility is LEED Existing Building Gold Certified. This facility is also ISO 14001 and ISO 9001 Certified. Textiles can be purchased without finishes as a custom order to meet specific environmental standards, however, it may not comply with some contract market standards. Prior evaluation and approval is required by KnollTextiles.

Confidentiality Notice: This data is intended for the use of the individual or entity to which it is addressed and may contain confidential information that is privileged, confidential and exempt from disclosure under applicable law. Information has been provided by the supplier to the best of their knowledge at time of completion.



## MANUFACTURER INFORMATION

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MANUFACTURER: **KnollTextiles**

ADDRESS: **1235 Water Street**

**East Greenville Pennsylvania 18041, USA**

WEBSITE: **https://www.knoll.com/shop/knolltextiles**

CONTACT NAME: **KnollTextiles**

TITLE: **N/A**

PHONE: **866-565-5858**

EMAIL: **textiles\_orders@knoll.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

**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 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.*