

**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 2 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

**Characterized**

Percent Weight and Role Provided?

- Yes
- No

**Screened**

Using Priority Hazard Lists with Results Disclosed?

- Yes
- No

**Identified**

Name and Identifier Provided?

- Yes
- No

**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.

Number of Greenscreen BM-4/BM3 contents..... 2  
 Contents highest concern GreenScreen  
 Benchmark or List translator Score..... BM-1  
 Nanomaterial..... No

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**INVENTORY AND SCREENING NOTES:**

**FABRIC CONTENTS** [ **POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK** **UNDISCLOSED** **BM-4** **UNDISCLOSED** **BM-1** | CAN | MUL **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-P1** | EYE | END **UNDISCLOSED** **LT-P1** | RES | END **ANTIMONY TRIOXIDE** **BM-1** | MAM | CAN | AQU | MUL **ANTIMONY COMPOUNDS, INORGANIC** **LT-UNK** | MAM | AQU | CAN **ANTIMONY COMPOUNDS** **LT-P1** | MAM | AQU **NON-HALOGENATED, NON-ORGANOPHOSPHOROUS** **NoGS** **FLAME RETARDANTS** **NoGS** **MANGANESE OXIDE** **LT-UNK** **NITROGEN** **NoGS** **ZINC OXIDE** **BM-1** | AQU | RES | MUL **BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)** **NoGS** **AZOCOLLOURANTS AND AZODYES** **NoGS** **BIOCIDES** **NoGS** **ANTIMICROBIALS** **NoGS** **ZINC COMPOUNDS** **LT-UNK** ] **ACRYLIC BINDER** [ **UNDISCLOSED** **BM-4** **UNDISCLOSED** **LT-UNK** ]

**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

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-12-21

PUBLISHED DATE: 2017-12-21

EXPIRY DATE: 2020-12-21

## 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)

### FABRIC CONTENTS

#: 99.0000 - 99.1000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities notes.

OTHER MATERIAL NOTES:

#### POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

#: 99.0000 - 99.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Staple Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### UNDISCLOSED

#: 0.8500 - 0.8500

GS: BM-4

RC: None

NANO: No

ROLE: Anti-static agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary.

#### UNDISCLOSED

#: 0.0100 - 0.1000

GS: BM-1

RC: None

NANO: No

ROLE: Anti-static agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Proprietary.

#### UNDISCLOSED

#: 0.0100 - 0.1000

GS: LT-UNK

RC: None

NANO: No

ROLE: Anti-static Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary

### UNDISCLOSED

#: **0.0100 - 0.1000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Anti-static agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Proprietary.

### UNDISCLOSED

#: **0.0100 - 0.0500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Anti-static agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Proprietary

### ANTIMONY TRIOXIDE

ID: **1309-64-4**

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### ANTIMONY COMPOUNDS, INORGANIC

ID: **Not registered**

%: **Impurity/Residual**

GS: **LT-1**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**ANTIMONY COMPOUNDS**

ID: **Not registered**

%: **Impurity/Residual**

GS: **LT-P1**

RC: **UNK**

NANO: **No**

ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**NON HALOGENATED FLAME RETARDANTS**

ID: **Not registered**

%: **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

**FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS**

ID: **Not registered**

%: **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

**FLAME RETARDANTS**

ID: **Not registered**

%: **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

### MANGANESE OXIDE

ID: 1317-34-6

%: **Impurity/Residual** GS: **LT-UNK** 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

### 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:

ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
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

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)

ID: Not registered

%: **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

### AZOCOLLOURANTS AND AZODYES

ID: Not registered

%: **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

**BIOCIDES**

ID: **Not registered**

%: **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

**ANTIMICROBIALS**

ID: **Not registered**

%: **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 COMPOUNDS**

ID: **Not registered**

%: **Impurity/Residual**      GS: **LT-UNK**      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

**ACRYLIC BINDER**

%: **0.9000 - 0.9000**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not considered.

OTHER MATERIAL NOTES:

**UNDISCLOSED**

%: **55.0000 - 55.0000**      GS: **BM-4**      RC: **None**      NANO: **No**      ROLE: **Acrylic Binder Component**

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

SUBSTANCE NOTES: Proprietary

**UNDISCLOSED**

%: **45.0000 - 45.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Acrylic Binder Component**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary

## 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: <b>Third Party</b>	ISSUE DATE: <b>2003-04-30</b>	EXPIRY DATE: <b>2018-10-29</b>	CERTIFIER OR LAB: <b>UL Environment Inc.</b>
APPLICABLE FACILITIES: <b>All</b>			
CERTIFICATE URL: <a href="https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32848/671944/Pivot-Panel-Fabric?st=1&amp;sl=53849521&amp;crit=a2V5d29yZDpbcGl2b3RdID4gS25vbGxUZXh0aWxlcw%3d%3d&amp;ss=2&amp;k=pivot&amp;t=pivot">https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32848/671944/Pivot-Panel-Fabric?st=1&amp;sl=53849521&amp;crit=a2V5d29yZDpbcGl2b3RdID4gS25vbGxUZXh0aWxlcw%3d%3d&amp;ss=2&amp;k=pivot&amp;t=pivot</a>			

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 in an Open Plan Office environment. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.

## 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, textile quality control, textile 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.

## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **KnollTextiles**  
 ADDRESS: **1235 Water Street**  
**East Greenville Pennsylvania 18041, United States**

CONTACT NAME: **KnollTextiles**  
 TITLE: **N/A**  
 PHONE: **866-565-5858**

## KEY

<b>OSHA MSDS</b>	Occupational Safety and Health Administration Material Safety Data Sheet
<b>GHS SDS</b>	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

<b>PreC</b> Preconsumer (Post-Industrial)
<b>PostC</b> Postconsumer
<b>Both</b> Both Preconsumer and Postconsumer
<b>Unk</b> Inclusion of recycled content is unknown
<b>None</b> 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.