

CLASSIFICATION: 12 05 13 Fabrics

created via: HPDC Online Builder

PRODUCT DESCRIPTION: A fresh techno spin on spheres, this dimensional upholstery is made with 100% eco-intelligent polyester. Designed by Suzanne Tick.

**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**

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.

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

**BDMV FABRIC CONTENTS** | **POLYETHYLENE TEREPHTHALATE (PET)** **LT-1** **UNK** **FIBER LUBRICANTS TITANIUM DIOXIDE** **LT-1** | CAN | **END CARBON BLACK** **LT-1** | CAN **ANTIMONY TRIOXIDE** **BM-1** | MAM | AQU | CAN | **MUL** **ANTIMONY COMPOUNDS, INORGANIC** **LT-1** | AQU | CAN **ANTIMONY COMPOUNDS** **LT-P1** | AQU **NON HALOGENATED FLAME RETARDANTS** **NoGS** **FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS** **NoGS** **FLAME RETARDANTS** **NoGS** **MANGANESE OXIDE** **LT-UNK** **NITROGEN** **NoGS** **ZINC OXIDE** **BM-1** | RES | AQU | **MUL** **BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)** **NoGS** **AZOCOLOURANTS AND AZODYES** **NoGS** **BIOCIDES** **NoGS** **ANTIMICROBIALS** **NoGS** **ZINC COMPOUNDS** **LT-UNK** **POLYCYCLIC AROMATIC HYDROCARBONS** **LT-1** | PBT | CAN **POLYCYCLIC AROMATIC HYDROCARBONS (PAH)** **LT-1** | PBT **POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP** **LT-1** | PBT ]

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 - Silver (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: 2018-03-08  
PUBLISHED DATE: 2018-03-08  
EXPIRY DATE: 2021-03-08

## 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)

### BDMV FABRIC CONTENTS

%: **100.0000 - 100.0000**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not considered.

OTHER MATERIAL NOTES:

### POLYETHYLENE TEREPHTHALATE (PET)

ID: **25038-59-9**

%: **89.0000 - 99.9000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Warp/weft.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS # 27937-63-9 is also part of the polyester polymer.

### FIBER LUBRICANTS

ID: **Undisclosed**

%: **0.0200 - 3.0000**

GS:

RC: **None**

NANO: **No**

ROLE: **N/A**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### TITANIUM DIOXIDE

ID: **13463-67-7**

%: **0.0100 - 5.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **N/A**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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:

## CARBON BLACK

ID: **1333-86-4**

#: **0.0100 - 3.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **N/A**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

## 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
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
CANCER	Japan - GHS	Carcinogenicity - Category 1B

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:
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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:

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**

%: <b>Impurity/Residual</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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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**

%: <b>Impurity/Residual</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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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**

%: <b>Impurity/Residual</b>	GS: <b>BM-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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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

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**BIOCIDAL COATINGS / BIOCIDAL ADDITIVES (GADSL LIST)**ID: **Not registered**

%: <b>Impurity/Residual</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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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**

%: <b>Impurity/Residual</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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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

**POLYCYCLIC AROMATIC HYDROCARBONS**

ID: **130498-29-2**

%: **Impurity/Residual** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT WA DoE - PBT PBT

CANCER US NIH - Report on Carcinogens Reasonably Anticipated to be Human Carcinogen

PBT US EPA - Toxics Release Inventory PBTs PBT

PBT OSPAR - Priority PBTs & EDs & equivalent concern PBT - Chemical for Priority Action

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**POLYCYCLIC AROMATIC HYDROCARBONS (PAH)**ID: **Not registered**

#: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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PBT	WA DoE - PBT	PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP**ID: **Not registered**

#: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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PBT	US EPA - Toxics Release Inventory PBTs	PBT
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

**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:			

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.

**MULTI-ATTRIBUTE****Cradle to Cradle Certified - Silver (V3.1)**

CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2016-06-02</b>	EXPIRY DATE: <b>2018-06-01</b>	CERTIFIER OR LAB: <b>McDonough Braungart Design</b>
APPLICABLE FACILITIES: <b>N/A</b>			

CERTIFICATION AND COMPLIANCE NOTES:

**MANAGEMENT****ISO 14001:2004 Environmental management systems**

CERTIFYING PARTY: Third Party

ISSUE DATE: 2017-07-

EXPIRY DATE: 2020-

CERTIFIER OR LAB: NSF

APPLICABLE FACILITIES: N/A

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: 2016-03-

EXPIRY DATE: 2018-

CERTIFIER OR LAB: NSF ISR

APPLICABLE FACILITIES: N/A

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: 2014-07-

EXPIRY DATE: 2019-

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: N/A

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

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](mailto:textiles_orders@knoll.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

*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.*