

CLASSIFICATION: 12 05 13 Fabrics

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Edo (former name of Tokyo) is a soft and textural panel fabric that addresses the need for a trending mélange/heathered look on the wall. Colors range from fresh pops of color to warm and cool neutrals. Edo is dry with a wool like appearance at a competitive price point.

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.

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:

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

FABRIC CONTENTS [**POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK** **POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK** **POLYESTER BINDER** **LT-UNK** **FINISH TITANIUM DIOXIDE** **LT-1** | **CAN** | **END UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-P1** | **PBT UNDISCLOSED UNDISCLOSED** **LT-P1** | **PBT UNDISCLOSED UNDISCLOSED** **LT-UNK UNDISCLOSED** **LT-P1** | **MAM** | **DEV** | **PBT** | **AQU UNDISCLOSED** **LT-UNK UNDISCLOSED UNDISCLOSED** **LT-UNK** **ACETIC ACID 30%** **LT-UNK** | **RES** | **SKI UNDISCLOSED** **LT-P1** | **PBT UNDISCLOSED** **LT-P1** | **PBT UNDISCLOSED** **LT-UNK UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-UNK** **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** **AZOCOLLOURANTS AND AZODYES** **NoGS** **BIOCIDES** **NoGS** **ANTIMICROBIALS** **NoGS** **ZINC COMPOUNDS** **LT-UNK** **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** **AZOCOLLOURANTS AND AZODYES** **NoGS** **BIOCIDES** **NoGS** **ANTIMICROBIALS** **NoGS** **ZINC COMPOUNDS** **LT-UNK** **(Z,Z)-9,12-OCTADECADIENOIC ACID** **LT-UNK** **CONJUGATED LINOLEIC ACID** **LT-UNK** **OLEIC ACID** **LT-P1** | **END** **PALMITIC ACID** **LT-P1** | **END** **STEARIC ACID** **LT-P1** | **END**]

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

No pre-checks completed or disclosed

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-02-12

PUBLISHED DATE: 2018-02-12

EXPIRY DATE: 2021-02-12

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

FABRIC CONTENTS

#: 100.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No SDS reportable residuals above 1000 ppm.

OTHER MATERIAL NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

#: 80.0000 - 81.0000

GS: LT-UNK

RC: PostC

NANO: No

ROLE: Fiber for woolen-spun yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 100% Post-Consumer Recycled Content

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

#: 16.0000 - 17.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Filament Yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYESTER BINDER FINISH

ID: Undisclosed

#: 3.0000 - 3.5000

GS:

RC: None

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

#: 0.2400 - 0.3000

GS: LT-1

RC: None

NANO: No

ROLE: Fiber Delustrant

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: Bound in polyester polymer

UNDISCLOSED

#: **0.0100 - 0.1500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dye**

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

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: **0.0100 - 0.2500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Dye**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
PBT	EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: **0.0000 - 0.1500** GS: RC: **None** NANO: **No** ROLE: **Dye**

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

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: 0.0000 - 0.1100

GS: LT-P1

RC: None

NANO: No

ROLE: Dye

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: 0.0000 - 0.8200 GS: RC: None NANO: No ROLE: Dye

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

SUBSTANCE NOTES: Dye mixture not disclosed by supplier. Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: 0.0000 - 0.5600 GS: LT-UNK RC: None NANO: No ROLE: Dye

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

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: 0.0000 - 0.2000 GS: LT-P1 RC: None NANO: No ROLE: Dye

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
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
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not

contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: **0.0000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dye**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: **0.0000 - 0.6400** GS: RC: **None** NANO: **No** ROLE: **Dye**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dye**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Note: range shows minimum and maximum concentration in each fabric color sku. "0" indicates that one or more colors do not contain this dye. Listed concentration assumes 100% take-up of the dye by the fiber, the worst-case assumption.

ACETIC ACID 30%

ID: **64-19-7**

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dye Auxiliary**

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Possible dye auxiliary residuals - all expected to be less than 1000 ppm.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
PBT	EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Possible dye auxiliary residuals- all expected to be less than 1000 ppm.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
PBT	EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Possible dye auxiliary residuals- all expected to be less than 1000 ppm.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

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

SUBSTANCE NOTES: Possible dye auxiliary residuals- all expected to be less than 1000 ppm.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

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

SUBSTANCE NOTES: Possible dye auxiliary residuals- all expected to be less than 1000 ppm.

UNDISCLOSED

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

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

SUBSTANCE NOTES: Possible dye auxiliary residuals- all expected to be less than 1000 ppm.

ANTIMONY TRIOXIDE

ID: 1309-64-4

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: Impurity/Residual	GS: BM-1 RC: UNK NANO: No ROLE: Impurity/Residual
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, INORGANICID: **Not registered**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: Impurity/Residual	GS: LT-1 RC: UNK NANO: No ROLE: Impurity/Residual
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 COMPOUNDSID: **Not registered**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: Impurity/Residual	GS: LT-P1 RC: UNK NANO: No ROLE: Impurity/Residual
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 RETARDANTSID: **Not registered**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: 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:	
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

AZOCOLOURANTS 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

ZINC COMPOUNDSID: **Not registered**

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

ANTIMONY TRIOXIDEID: **1309-64-4**

%: Impurity/Residual	GS: BM-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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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, INORGANICID: **Not registered**

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

AGENCY(IES) WITH WARNINGS:

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 COMPOUNDSID: **Not registered**

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

NON HALOGENATED FLAME RETARDANTSID: **Not registered**

%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUSID: **Not registered**

%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

FLAME RETARDANTSID: **Not registered**

%: Impurity/Residual	GS: NoGS	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

MANGANESE OXIDEID: **1317-34-6**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

NITROGEN

ID: 7727-37-9

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

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

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

AZOCOLOURANTS AND AZODYES

ID: Not registered

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

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

(Z,Z)-9,12-OCTADECADIENOIC ACID

ID: **60-33-3**

%: **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

CONJUGATED LINOLEIC ACID

ID: **121250-47-3**

%: **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

OLEIC ACID

ID: **112-80-1**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SUBSTANCE NOTES: Imported from Pharos process chemistry research		

PALMITIC ACID

ID: 57-10-3

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

STEARIC ACID

ID: 57-11-4

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
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: Third Party	ISSUE DATE: 2017-07-28	EXPIRY DATE: 2018-10-29	CERTIFIER OR LAB: UL Environment Inc.
APPLICABLE FACILITIES: All			
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 m³/hour. Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1

MULTI-ATTRIBUTE	NSF/ANSI 336: Sustainability Standard for Commercial Furnishings Fabric - 2011 Silver		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2014-09-	EXPIRY DATE: 2019-	CERTIFIER OR LAB: SCS Global

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: NSF/ANSI 336 2011 Sustainability Assessment for Commercial Furnishings Fabric Standard

+ 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.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **KnollTextiles**

ADDRESS: **1235 Water Street**

East Greenville PA 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

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

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic

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.