

CLASSIFICATION: 12 05 13 Fabrics

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Durand upholstery has a geometric pattern created with a boucle-like yarn, giving it a natural hand. This bleach cleanable upholstery is an excellent choice for hospitality, healthcare, education, and corporate settings.

## 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

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

**FABRIC CONTENTS** [ POLYESTER NoGS NYLON NoGS STAIN REPELLANT ACRYLIC BACKING 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK | CAN 1-PROPANOL, 2-METHYL-, SODIUM SALT (1:1) NoGS TRIMETHYLPENTANE ISOMERS LT-UNK | CAN ALUMINA TRIHYDRATE BM-2 | RES ALUMINUM COMPOUNDS LT-UNK | RES NON HALOGENATED FLAME RETARDANTS NoGS FLAME RETARDANTS, NON-HALOGENATED, NON-ORGANOPHOSPHOROUS NoGS FLAME RETARDANTS NoGS AROMATIC NAPHTHA, TYPE 1 LT-1 | CAN | GEN | MAM | MUL | END 1,2-DIETHYLBENZENE LT-P1 | MUL 2-METHYL-2-PHENYLPROPANE LT-UNK DIMETHYLSTYRENE NoGS DIVINYL BENZENE LT-P1 | MUL NAPHTHALENE BM-1 | MAM | CAN | AQU | PBT | MUL | END COAL TAR LT-1 | CAN BENZ[A]ANTHRACENE LT-1 | MAM | CAN | AQU | PBT | END | MUL | GEN POLYCYCLIC AROMATIC COMPOUNDS (OSHA EXCLUSIONS) LT-1 | MAM | CAN | AQU | PBT POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP LT-1 | PBT POLYCYCLIC AROMATIC HYDROCARBONS (PAH) LT-1 | PBT TARS, COAL NoGS TRIMETHYL BENZENE BM-2 | MAM | EYE | SKI | AQU | MUL SOLVENT NAPHTHA (PETROLEUM), AND RELATED PROCESSED PRODUCTS NoGS COBALT NAPHTHENATE LT-1 | RES | CAN | GEN COBALT COMPOUNDS LT-1 | RES | CAN | GEN COBALT COMPOUNDS THAT RELEASE COBALT IONS IN VIVO LT-1 | CAN COBALT OCTOATE LT-1 | RES | CAN | MUL | GEN 2-ETHYLHEXANOIC ACID LT-P1 | DEV | END | REP COBALT LT-1 | RES | SKI | CAN | MUL | GEN BUTOXYPROPANOL LT-UNK | EYE | SKI 1-PROPANOL-2-BUTOXY NoGS PROPYLENE GLYCOL & GLYCOL ETHERS (PGES) NoGS OCTANOIC ACID LT-UNK | SKI CHROMIUM (III) COMPOUNDS LT-UNK | SKI DIMETHYL PHTHALATE (DMP) LT-P1 | END DIMETHYL PHTHALATE AND METABOLITE NoGS PHTHALATES (ORTHOPHTHALATES) NoGS LIMESTONE; CALCIUM CARBONATE LT-UNK CALCIUM SULFATE DIHYDRATE LT-UNK QUARTZ LT-1 | CAN CRYSTALLINE SILICAS - RESPIRABLE LT-1 | CAN SILICA, AMORPHOUS LT-P1 | CAN AMORPHOUS SILICA SUBGROUPS LISTED BY MAK COMMISSION OF GERMANY LT-UNK ZINC STEARATE LT-P1 ZINC COMPOUNDS LT-UNK ]

### 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

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-01-02

PUBLISHED DATE: 2018-01-02

EXPIRY DATE: 2021-01-02

## 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

#: 100.0000 - 100.0000

HPD URL:

PRODUCT THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not considered.

OTHER MATERIAL NOTES: Unable to get proprietary information from dyers and finishers.

#### POLYESTER

ID: 113669-95-7

#: 74.0000 - 76.0000

GS: NoGS

RC: PostC

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 39% Polyester Boucle, 24% 10/2 Post-Consumer Spun Polyester, 13% 300 Denier Post-Consumer Polyester.

#### NYLON

ID: 63428-83-1

#: 22.0000 - 24.0000

GS: NoGS

RC: None

NANO: No

ROLE: Warp

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 70 Denier Solution Dyed Nylon.

#### STAIN REPELLANT

ID: Undisclosed

#: 0.0100 - 3.0000

GS:

RC: None

NANO: No

ROLE: Stain Repellant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Proprietary.

#### ACRYLIC BACKING

ID: Undisclosed

#: 0.0100 - 3.0000

GS:

RC: None

NANO: No

ROLE: Fabric Backing

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

SUBSTANCE NOTES:

### 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE

ID: 6846-50-0

#: **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

### 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE

ID: 25265-77-4

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	MAK      Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### 1-PROPANOL, 2-METHYL-, SODIUM SALT (1:1)

ID: 13259-29-5

#: **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

### TRIMETHYLPENTANE ISOMERS

ID: Not registered

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	MAK      Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

%: <b>Impurity/Residual</b>	GS: <b>BM-2</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

**ALUMINUM COMPOUNDS**

ID: Not registered

%: <b>Impurity/Residual</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
SUBSTANCE NOTES: Imported from Pharos process chemistry research				

**NON HALOGENATED FLAME RETARDANTS**

ID: Not registered

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

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

%: <b>Impurity/Residual</b>	GS: <b>NoGS</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

**AROMATIC NAPHTHA, TYPE 1**ID: **64742-95-6**

Role: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - R-phrases			R45 - May cause cancer
GENE MUTATION	EU - R-phrases			R46 - May cause heritable genetic damage
MAMMALIAN	EU - GHS (H-Statements)			H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)			H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)			H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs			Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs			Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List			CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors			Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters			Class 3 - Severe Hazard to Waters
CANCER	EU - Annex VI CMRs			Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs			Mutagen - Category 1B
GENE MUTATION	Australia - GHS			H340 - May cause genetic defects
CANCER	Australia - GHS			H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**1,2-DIETHYLBENZENE**ID: **25340-17-4**

Role: <b>Impurity/Residual</b>	GS: <b>LT-P1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MULTIPLE	German FEA - Substances Hazardous to Waters			Class 2 - Hazard to Waters

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**2-METHYL-2-PHENYLPROPANE**ID: **98-06-6**

Role: <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

**DIMETHYLSTYRENE**

ID: 27576-03-0

%: <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

**DIVINYL BENZENE**

ID: 1321-74-0

%: <b>Impurity/Residual</b>	GS: <b>LT-P1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**NAPHTHALENE**

ID: 91-20-3

%: <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:

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

CANCER

US EPA - IRIS Carcinogens

(1986) Group C - Possible human Carcinogen

CANCER

IARC

Group 2B - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

PBT

US EPA - Priority PBTs (NWMP)

Priority PBT

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 &amp; EDs &amp; equivalent concern

PBT - Chemical for Priority Action

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
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

## COAL TAR

ID: 65996-89-6

%: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - R-phrases			R45 - May cause cancer
CANCER	US NIH - Report on Carcinogens			Known to be a human Carcinogen
CANCER	EU - GHS (H-Statements)			H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs			Carcinogen Category 1 - Substances known to be Carcinogenic to man
CANCER	EU - Annex VI CMRs			Carcinogen Category 1A - Known human Carcinogen based on human evidence
CANCER	Australia - GHS			H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

## BENZ[A]ANTHRACENE

ID: 56-55-3

%: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases			R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases			R25 - Toxic if Swallowed
CANCER	EU - R-phrases			R40 - Limited Evidence of Carcinogenic Effects
CANCER	EU - R-phrases			R45 - May cause cancer
ACUTE AQUATIC	EU - R-phrases			R50 - Very Toxic to Aquatic Organisms
CANCER	US EPA - IRIS Carcinogens			(1986) Group B2 - Probable human Carcinogen
CANCER	IARC			Group 2B - Possibly carcinogenic to humans



CANCER	CA EPA - Prop 65	Carcinogen
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 - Substance of Possible Concern
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 100
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	MAK	Germ Cell Mutagen 3a
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### POLYCYCLIC AROMATIC COMPOUNDS (OSHA EXCLUSIONS)

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>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases			R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases			R25 - Toxic if Swallowed
CANCER	EU - R-phrases			R40 - Limited Evidence of Carcinogenic Effects
ACUTE AQUATIC	EU - R-phrases			R50 - Very Toxic to Aquatic Organisms
PBT	US EPA - Toxics Release Inventory PBTs			PBT

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

## 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
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PBT	US EPA - Toxics Release Inventory PBTs	PBT
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PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

## TARS, COAL

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:
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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

## TRIMETHYL BENZENE

ID: **25551-13-7**

%: <b>Impurity/Residual</b>	GS: <b>BM-2</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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MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
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EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
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SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
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ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
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SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
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EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### SOLVENT NAPHTHA (PETROLEUM), AND RELATED PROCESSED PRODUCTS

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

### COBALT NAPHTHENATE

ID: **61789-51-3**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens      Asthmagen (G) - generally accepted
CANCER	US NIH - Report on Carcinogens      Reasonably Anticipated to be Human Carcinogen
CANCER	MAK      Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK      Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK      Germ Cell Mutagen 3a

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### COBALT COMPOUNDS

ID: **Not registered**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens      Asthmagen (G) - generally accepted
CANCER	MAK      Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK      Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK      Germ Cell Mutagen 3a

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**COBALT COMPOUNDS THAT RELEASE COBALT IONS IN VIVO**

ID: **Not registered**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**COBALT OCTOATE**

ID: **136-52-7**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**2-ETHYLHEXANOIC ACID**

ID: **149-57-5**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**COBALT**

ID: **7440-48-4**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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RESPIRATORY	EU - R-phrases	R42 - May cause sensitization by inhalation
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	IARC	Group 2B - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: Imported from Pharos process chemistry research

## BUTOXYPROPANOL

ID: 5131-66-8

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Imported from Pharos process chemistry research

## 1-PROPANOL-2-BUTOXY

ID: 15821-83-7

#: **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

**PROPYLENE GLYCOL & GLYCOL ETHERS (PGES)**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:
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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

**OCTANOIC ACID**ID: **124-07-2**

%: <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:
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SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
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SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

**CHROMIUM (III) COMPOUNDS**ID: **Not registered**

%: <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:
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SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

**DIMETHYL PHTHALATE (DMP)**ID: **131-11-3**

%: <b>Impurity/Residual</b>	GS: <b>LT-P1</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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ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

**DIMETHYL PHTHALATE AND METABOLITE**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:
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None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

**PHTHALATES (ORTHOPHTHALATES)**

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

**LIMESTONE; CALCIUM CARBONATE**

ID: **1317-65-3**

#: **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

**CALCIUM SULFATE DIHYDRATE**

ID: **10101-41-4**

#: **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

**QUARTZ**

ID: **14808-60-7**

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

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 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### CRYSTALLINE SILICAS - RESPIRABLE

ID: **Not registered**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### SILICA, AMORPHOUS

ID: **7631-86-9**

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Imported from Pharos process chemistry research

### AMORPHOUS SILICA SUBGROUPS LISTED BY MAK COMMISSION OF GERMANY

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

### ZINC STEARATE

ID: **557-05-1**

#: **Impurity/Residual** GS: **LT-P1** 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

## 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: 2003-04-30  
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 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.

## 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

## 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

**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.*