

CLASSIFICATION: 12 05 13 Fabrics

PRODUCT DESCRIPTION: Designed by Alejandro Cardenas, Glider's repeating lines and shapes represent the feeling of gliding over a landscape.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities
Considered in 0 of 1 Materials

Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

Threshold Disclosed Per

- Material
- Product

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](#)

FABRIC CONTENTS [**COTTON** NoGS **POLYESTER** NoGS **NYLON 6** LT-UNK **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 7** LT-1 | MAM | GEN | CAN | MUL | END **1,2-DIETHYLBENZENE** LT-P1 | MUL **2-METHYL-2-PHENYLPROPANE** LT-UNK **DIMETHYLSTYRENE** NoGS **DIVINYLBENZENE** LT-P1 | MUL **NAPHTHALENE** BM-1 | CAN | PBT | AQU | MUL | END **COAL TAR** LT-1 | CAN **BENZ(A)ANTHRACENE** LT-1 | CAN | PBT | END | AQU | MUL | GEN **POLYCYCLIC AROMATIC COMPOUNDS (OSHA EXCLUSIONS)** LT-1 | PBT **POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP** LT-1 | PBT **POLYCYCLIC AROMATIC HYDROCARBONS (PAH)** LT-1 | PBT **TARS, COAL** NoGS **TRIMETHYL BENZENE** BM-2 | AQU | SKI | EYE | 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 | CAN | SKI | MUL | GEN **BUTOXYPROPANOL** LT-UNK | SKI | EYE **1-PROPANOL-2-BUTOXY** NoGS **PROPYLENE GLYCOL & GLYCOL ETHERS (PGES)** NoGS **OCTANOIC ACID** LT-P1 | SKI | END **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 (MAK LIST)** LT-UNK **ZINC STEARATE** LT-UNK **ZINC COMPOUNDS** LT-UNK **NITROGEN** NoGS **CHROMIUM COMPOUNDS** NoGS **CAPROLACTAM** LT-UNK | SKI | EYE **CYCLOHEXANOL** LT-P1 | SKI | REP **SULFURIC ACID (FUMING)** LT-P1 | RES | SKI | CAN **POLYCYCLIC AROMATIC HYDROCARBONS (PAH) (US NIH ROC)** NoGS]

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

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-05-25

PUBLISHED DATE: 2018-05-25

EXPIRY DATE: 2021-05-25



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: Per GHS SDS

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not considered.

OTHER MATERIAL NOTES:

COTTON

ID: Not registered

#: 72.3300 - 73.0000

GS: NoGS

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYESTER

ID: 113669-95-7

#: 14.6600 - 15.0000

GS: NoGS

RC: None

NANO: No

ROLE: Warp/ Base Yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

NYLON 6

ID: 25038-54-4

#: 11.6600 - 12.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Binder with face fiber

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 ISOMERSID: **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

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

ALUMINUM COMPOUNDSID: **Not registered**

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

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:

None Found

No warnings found on HPD Priority lists

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:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Imported from Pharos process chemistry research

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

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

AGENCY(IES) WITH WARNINGS:

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-DIETHYLBENZENEID: **25340-17-4**

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

%: 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				

DIMETHYLSTYRENE ID: **27576-03-0**

%: 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				

DIVINYL BENZENE ID: **1321-74-0**

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

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

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

%: Impurity/Residual	GS: LT-1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
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
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
PBT	EU - SVHC Authorisation List	PBT - Candidate list
PBT	EU - SVHC Authorisation List	vPvB - Candidate list

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POLYCYCLIC AROMATIC COMPOUNDS (OSHA EXCLUSIONS)

ID: **Not registered**

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT US EPA - Toxics Release Inventory PBTs PBT

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POLYCYCLIC AROMATIC COMPOUNDS - COMPOUND GROUP

ID: **Not registered**

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT US EPA - Toxics Release Inventory PBTs PBT

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

ID: **Not registered**

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

TARS, COAL

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				

TRIMETHYL BENZENE

ID: **25551-13-7**

%: Impurity/Residual	GS: BM-2	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		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
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 - 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:

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	Asthmagens (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 Sh - 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:			
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

%: 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

OCTANOIC ACID

ID: 124-07-2

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage		
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

CHROMIUM (III) COMPOUNDS

ID: **Not registered**

%: Impurity/Residual	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

DIMETHYL PHTHALATE (DMP)

ID: **131-11-3**

%: 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

DIMETHYL PHTHALATE AND METABOLITE

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

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

%: **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
CANCER	Australia - GHS	H350 - May cause cancer
CANCER	Japan - GHS	Carcinogenicity - Category 1A

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
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

AMORPHOUS SILICA SUBGROUPS (MAK LIST)ID: **Not registered**

%: 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

ZINC STEARATEID: **557-05-1**

%: 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

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:
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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

NITROGENID: **7727-37-9**

%: 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

CHROMIUM COMPOUNDSID: **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

CAPROLACTAMID: **105-60-2**

%: 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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SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
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SUBSTANCE NOTES: Imported from Pharos process chemistry research

CYCLOHEXANOL

ID: 108-93-0

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

SULFURIC ACID (FUMING)

ID: 8014-95-7

%: Impurity/Residual	GS: LT-P1	RC: UNK	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr) - irritant-induced		
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens		
CANCER	Japan - GHS	Carcinogenicity - Category 1A		

SUBSTANCE NOTES: Imported from Pharos process chemistry research

POLYCYCLIC AROMATIC HYDROCARBONS (PAH) (US NIH ROC)

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

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**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: [https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32848/662461/Glider-Upholstery-Fabric?](https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32848/662461/Glider-Upholstery-Fabric?st=1&sl=53854973&crit=a2V5d29yZDpbZ2xpZGVyXSA%2bIEtub2xsVGV4dGlsZXM%3d&ss=2&k=glider&t=glider)

[st=1&sl=53854973&crit=a2V5d29yZDpbZ2xpZGVyXSA%2bIEtub2xsVGV4dGlsZXM%3d&ss=2&k=glider&t=glider](https://spot.ulprospector.com/en/na/BuiltEnvironment/Detail/32848/662461/Glider-Upholstery-Fabric?st=1&sl=53854973&crit=a2V5d29yZDpbZ2xpZGVyXSA%2bIEtub2xsVGV4dGlsZXM%3d&ss=2&k=glider&t=glider)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2003-04-30	2018-10-29	UL Environment Inc.

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 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, United States
 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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U 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.