

**CLASSIFICATION:** 09 65 00 Resilient Flooring; 09 65 19 Resilient Tile Flooring

**PRODUCT DESCRIPTION:** BioFelt® 2 Tile - Ideal for any application that requires a heavy-duty floor covering, modular 18" (45.7 cm) square Tiles or 6" x 36" rectangular Planks (15.2 x 91.4 cm) are made by bonding our signature woven textiles to BioFelt®, an innovative felt backing system.

**Section 1: Summary**

**Basic 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**

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No  
*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No  
*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

**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**

**BIOFELT 2 TILE** [ **POLYVINYL CHLORIDE (PVC)** **LT-P1** | RES **LIMESTONE, CALCIUM CARBONATE** **LT-UNK** **NYLON 6,6** **LT-UNK** **BIS(2-ETHYLHEXYL) TEREPHTHALATE** **BM-3** **EPOXIDIZED SOYBEAN OIL** **LT-P1** **CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE** **LT-UNK** **C9-11-BRANCHED ALKYL BENZOATE** **NoGS** **FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH PIPERAZINE AND SEBACIC ACID** **NoGS** **UNDISCLOSED CHEMICAL #1** **NoGS** **UNDISCLOSED CHEMICAL #2** **LT-UNK** **UNDISCLOSED CHEMICAL #3** **BM-2** | AQU | SKI | EYE | MAM | END | MUL **UNDISCLOSED CHEMICAL #4** **LT-P1** | EYE | END **UNDISCLOSED CHEMICAL #5** **LT-UNK** **CARBON BLACK** **LT-1** | CAN **UNDISCLOSED CHEMICAL #6** **LT-P1** **POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK** **ANATASE TITANIUM DIOXIDE** **LT-1** | CAN ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Chilewich worked with the HPDC Approved Preparer, ToxServices LLC, to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

**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: CRI Green Label Plus - Carpets

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: ToxServices LLC

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-03-07

PUBLISHED DATE: 2019-04-25

EXPIRY DATE: 2022-03-07



## 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.hpdc-collaborative.org/hpd-2-1-standard](http://www.hpdc-collaborative.org/hpd-2-1-standard)

### BIOFELT 2 TILE

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Chilewich worked with the HPDC Approved Preparer, ToxServices LLC, to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

OTHER PRODUCT NOTES: For undisclosed chemicals with known identities: ToxServices LLC obtained full disclosure down to the 1,000 ppm threshold for multiple trade name ingredients present in the BioFelt 2 Tile formulation. Due to the proprietary nature of the information, the name and CAS number for these chemicals present in the trade name ingredients have been redacted from the substance entries.

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-07

#: 28.0500 - 30.0200

GS: LT-P1

RC: None

NANO: No

ROLE: Face Fabric Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

#### LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-07

#: 27.9200 - 27.9200

GS: LT-UNK

RC: None

NANO: No

ROLE: Backing Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

#### NYLON 6,6

ID: 32131-17-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-07

%: 18.1200 - 19.7000

GS: LT-UNK

RC: None

NANO: No

ROLE: Polyester Non-Woven Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**BIS(2-ETHYLHEXYL) TEREPHTHALATE**

ID: 6422-86-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 9.1400 - 9.1400

GS: BM-3

RC: None

NANO: No

ROLE: Backing Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**EPOXIDIZED SOYBEAN OIL**

ID: 8013-07-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 6.9900 - 8.9600

GS: LT-P1

RC: None

NANO: No

ROLE: Face Fabric and Backing Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 4.9000 - 4.9000

GS: LT-UNK

RC: None

NANO: No

ROLE: Face Fabric Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**C9-11-BRANCHED ALKYL BENZOATE**

ID: 131298-44-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 2.0100 - 2.0100

GS: NoGS

RC: None

NANO: No

ROLE: Backing Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH PIPERAZINE AND SEBACIC ACID**

ID: **68139-83-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **1.8400 - 1.8400**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Adhesive Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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No hazards found

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

**UNDISCLOSED CHEMICAL #1**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **0.9800 - 0.9800**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Face Fabric Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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No hazards found

**\*3rd Party Screened\***

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance.

**UNDISCLOSED CHEMICAL #2**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **0.5900 - 0.5900**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Face Fabric Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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No hazards found

**\*3rd Party Screened\***

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance.

**UNDISCLOSED CHEMICAL #3**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 0.2000 - 0.2000

GS: BM-2

RC: None

NANO: No

ROLE: Face Fabric Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

\*3rd Party Screened\*

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance. The GreenScreen® Benchmark assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

**UNDISCLOSED CHEMICAL #4**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 0.2000 - 0.2000

GS: LT-P1

RC: None

NANO: No

ROLE: Face Fabric Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

\*3rd Party Screened\*

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance.

**UNDISCLOSED CHEMICAL #5**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: 0.2000 - 0.2000

GS: LT-UNK

RC: None

NANO: No

ROLE: Face Fabric Component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
No hazards found		

\*3rd Party Screened\*

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance.

## CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **0.1500 - 0.1500**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Backing Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

## UNDISCLOSED CHEMICAL #6

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **0.1000 - 0.1000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Face Fabric Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	*3rd Party Screened*

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 1,000ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted for this substance.

## POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

#: **0.0000 - 1.1800**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Polyester Non-Woven Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	No hazards found	

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

## ANATASE TITANIUM DIOXIDE

ID: 1317-70-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-03-07**

%: **0.0000 - 0.3900**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Polyester Non-Woven Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: **This substance was properly screened by the HPD Approved Preparer.**

## 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

### CRI Green Label Plus - Carpets

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2008-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **The Carpet**

APPLICABLE FACILITIES: **All**

**09-22**

**09-30**

**and Rug Institute**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **This product complies with California DPH Section 0.1350 Versions 1.1 and 1.2 Private Office Scenario.**

## 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

Chilewich worked with the HPDC Approved Preparer, ToxServices LLC, to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Chilewich Sultan LLC**

ADDRESS: **39 W 19th St., 11th Floor  
New York NY 10011, USA**

WEBSITE:

[https://www.chilewich.com/contract/floor/biofelt\\_backed\\_tiles](https://www.chilewich.com/contract/floor/biofelt_backed_tiles)

CONTACT NAME: **Sandi Ing**

TITLE: **VP of Sales**

PHONE: **646-585-8684**

EMAIL: **sing@chilewich.com**

## KEY

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**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.*