

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
☐ Nested Materials Method	☐ 100 ppm	☒ Completed	Characterized ☒ Yes ☐ No
☒ Basic Method	☒ 1,000 ppm	☐ Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Completed	Screened ☐ Yes ☒ No
☐ Material	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☒ Product		☒ Yes ☐ No	Identified ☐ Yes ☒ No
			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

CELLIANT | POLYETHYLENE TEREPHTHALATE (PET) LT-UNK

TITANIUM DIOXIDE LT-1 | CAN | END SILICA, AMORPHOUS BM-1 |

CAN ALUMINUM OXIDE BM-2 | RES UNKNOWN MINERALS Not

Screened UNKNOWN MINERALS Not Screened UNKNOWN

MINERALS Not Screened UNKNOWN MINERALS Not Screened

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Celliant fibers contain minerals and are made from post-consumer recycled Polyester.

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: None

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2020-04-10
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-11-02
☒ No	VERIFICATION #:	EXPIRY DATE: 2023-04-10

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

CELLIANT

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Celliant™fibers contain minerals and recycled polyester. Recycled Polyester contains antimony as impurities.

OTHER PRODUCT NOTES: Celliant™ woven fabrics are used as a backing

POLYETHYLENE TEREPHTHALATE (PET) ID: 25038-59-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-10 16:10:57		
%: 99.0000 - 100.0000	GreenScreen: LT-UNK	RC: PostC	NANO: No	SUBSTANCE ROLE: Textile component
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Contains 95% Post-consumer recycled polyester				

TITANIUM DIOXIDE ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-10 16:16:33		
%: 0.0500 - 0.0600	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Minerals encased within the Polyester fiber. Titanium Dioxide present is not in the respirable form.		

SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-10 16:32:25		
%: 0.0500 - 0.0600	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	GHS - Australia		H350i - May cause cancer by inhalation	
CAN	GHS - Japan		Carcinogenicity - Category 1A [H350]	
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Silicone Dioxide is a mineral encased in the polyester staple fiber				

ALUMINUM OXIDE

ID: 90669-62-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-04-10 16:34:37		
%: 0.0500 - 0.0600	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Aluminum Oxide is encased in the Polyester staple fiber				

UNKNOWN MINERALS

ID: Unknown

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.0500 - 0.0600	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
	Additional Hazard Screening not performed			

SUBSTANCE NOTES: Unknown minerals in combination with other minerals encased in the polyester staple fiber

UNKNOWN MINERALS

ID: Unknown

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.0500 - 0.0600	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Unknown minerals in combination with other minerals encased in the polyester staple fiber				

UNKNOWN MINERALS

ID: Unknown

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
?: 0.0500 - 0.0600	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Conductor
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Unknown minerals in combination with other minerals encased in the polyester staple fiber				

UNKNOWN MINERALS

ID: Unknown

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
Additional Hazard Screening not performed				
SUBSTANCE NOTES: Unknown minerals in combination with other minerals encased in the polyester staple fiber				

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	None	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2020-04-10	CERTIFIER OR LAB: Self Declared
APPLICABLE FACILITIES: Self Declared. Polyester does not contain any VOC substances	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: No VOC emissions		

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

Celliant™ is a polyester staple fiber with minerals encapsulated in its structure. these minerals are not in the respirable form. Celliant™ meets REACH requirements and contains non-toxic substances. Celliant™ does not contain any substances on the CA Prop 65 list.

MANUFACTURER INFORMATION

MANUFACTURER: Designtex
ADDRESS: 357 County Avenue
 Secaucus New Jersey 07094, United States
WEBSITE: www.designtex.com

CONTACT NAME: Adity Phadnis
TITLE: Analyst, Product Compliance
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.