

CLASSIFICATION: 09 65 16.43 PVC-Free Sheet Flooring

PRODUCT DESCRIPTION: TEKNOFLOR® NATURESCAPES HPD™ is the brand's first luxury organic sheet good made from organically-derived polyurethane processed from castor oil. This resilient sheet flooring product has all the advantages of resilient sheet vinyl: durability, easy maintenance and versatility but without the PVC. The product offers twenty-four beautiful designs in three distinct styles that can be used independently or together. Naturescapes HPD brings life to non-PVC flooring with design, color, performance and an environmental focus perfect for any commercial space. TEKNOFLOR® Naturescapes HPD™ was the first hard surface flooring product to become Petal Certified under the International Living Future Institute's Living Product Challenge program - one of the most comprehensive and aspirational sustainability and transparency-based programs in the world. Manufactured in Detmold, Germany by Windmüller GmbH, Teknoflor® Naturescapes HPD™ is responsibly made.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>Are All Substances Above the Threshold Indicated:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>Percent Weight and Role Provided?</i>
	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
Threshold Disclosed Per	<input type="radio"/> Per OSHA MSDS	<i>Explanation(s) provided for Residuals/Impurities?</i>	<i>Using Priority Hazard Lists with Results Disclosed?</i>
<input type="radio"/> Material	<input type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes <input checked="" type="radio"/> No
<input checked="" type="radio"/> Product			<i>Name and Identifier Provided?</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.

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

TEKNOFLOR® NATURESCAPES HPD™ [POLYURETHANE FOAMS (POLYURETHANE) LT-UNK CALCIUM CARBONATE BM-3 ZEOLITE LT-UNK ALUMINA TRIHYDRATE BM-2 | RES ADDITIVES AND DECOR PAPER DYES NoGS WHITE MINERAL OIL LT-UNK POLYPROPYLENE LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK CELLULOSE, MICROCRYSTALLINE NoGS KAOLIN CLAY LT-UNK | CAN TITANIUM DIOXIDE LT-1 | CAN | END]

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:

This HPD was created with Basic Inventory.

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: RFCI FloorScore
Other: REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
Other: Third-Party Verified Declare Label
Other: Living Product Challenge - Petal Certification

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-06-01

PUBLISHED DATE: 2018-06-05

EXPIRY DATE: 2021-06-01



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

TEKNOFLOR® NATURESCAPES HPD™

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: While TEKNOFLOR® Naturescapes HPD™ does not meet the qualifications for "Residuals & Impurities - Considered" per HPDC's Emerging Best Practices, we have had TEKNOFLOR® Naturescapes HPD™ tested at independent, third-party laboratories to ensure it is free of Red List Heavy Metals, Phthalate-Free, Formaldehyde-Free and complies with REACH SVHC.

OTHER PRODUCT NOTES:

POLYURETHANE FOAMS (POLYURETHANE)

ID: 9009-54-5

#: 45.0000 - 50.0000 GS: LT-UNK RC: None NANO: No ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

#: 40.0000 - 45.0000 GS: BM-3 RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZEOLITE

ID: 1318-02-1

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: **1.0000 - 5.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Flame Retardant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY**AOEC - Asthmagens****Asthmagen (ARs) - sensitizer-induced - inhalable forms only**

SUBSTANCE NOTES:

ADDITIVES AND DECOR PAPER DYESID: **Undisclosed**

%: **0.5000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additives and Decor Paper Dyes**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found**No warnings found on HPD Priority lists**

SUBSTANCE NOTES:

WHITE MINERAL OILID: **8042-47-5**

%: **0.2000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Foam Regulator**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found**No warnings found on HPD Priority lists**

SUBSTANCE NOTES:

POLYPROPYLENEID: **9003-07-0**

%: **0.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Nonwoven**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found**No warnings found on HPD Priority lists**

SUBSTANCE NOTES:

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

%: **0.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Nonwoven**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found**No warnings found on HPD Priority lists**

SUBSTANCE NOTES:

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Nonwoven
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

%: 0.0000 - 2.0000	GS: NoGS	RC: None	NANO: No	ROLE: Decor Paper
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

KAOLIN CLAY

ID: 1332-58-7

%: 0.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Decor Paper Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**MAK**

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 2.0000	GS: LT-1	RC: None	NANO: No	ROLE: Decor Paper Pigment
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER**MAK**

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

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

RFCI FloorScore

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

https://www.scs-certified.com/products/cert_pdfs/Windmoller_2018_SCS-FS-05093_s.pdf

CERTIFICATION AND COMPLIANCE NOTES: **Certificate # SCS-FS-05093**

ISSUE DATE:

2018-09-11

EXPIRY DATE:

2019-09-30

CERTIFIER OR LAB:

SCS Global Services

OTHER

REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Test performed: The 174 substances in the Candidate List of Substances of Very High Concern (SVHC) for Authorisation, published by European Chemicals Agency (ECHA), latest updated on July, 7 2017, regarding the Regulation (EC) No. 1907/2006: Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).**

ISSUE DATE: **2017-11-07**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

OTHER

Third-Party Verified Declare Label

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <https://living-future.org/declare-products/teknoflor-naturescapes-hpd/>

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2018-05-03**

EXPIRY DATE: **2019-05-01**

CERTIFIER OR LAB: **International Living Future Institute and WAP Sustainability and Consulting**

OTHER

Living Product Challenge - Petal Certification

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <https://living-future.org/lpc/case-studies/shannon-specialty-floors-teknoflor-naturescapes-hpd/>

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2018-05-01**

EXPIRY DATE: **2021-05-03**

CERTIFIER OR LAB: **International Living Future Institute and WAP Sustainability Consulting**

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

Please visit shannonspecialtyfloors.com to learn more about TEKNOFLOR® Naturescapes HPD™, including available designs, installation and maintenance procedures, warranty information, etc.



MANUFACTURER INFORMATION

MANUFACTURER: **Shannon Specialty Floors, Inc.**
 ADDRESS: **1005 South 60th Street**
Milwaukee WI 53214, USA
 WEBSITE: **www.shannonspecialtyfloors.com**

CONTACT NAME: **Tim Davis**
 TITLE: **Technical Services Manager**
 PHONE: **800-522-9166**
 EMAIL: **timd@shannonspecialtyfloors.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.