

CLASSIFICATION: 09 65 16.23 VINYL SHEET FLOORING

PRODUCT DESCRIPTION: TEKNOFLOR® Designscales HPD™ Commercial Resilient Sheet Flooring offers a fresh look and a unique perspective to the Teknoflor brand of commercial sheet flooring with three modern, creative and highly functional designs. Carrying the brand’s trademark, No Wax, No Buff features, Designscales HPD is made of 100% virgin vinyl and without any phthalates. Used as a complementary product or standing alone, its creativity and versatility are sure to impress!

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

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?

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® DESIGNSCALES HPD™ [**POLYVINYL CHLORIDE (PVC)** **LT-P1** | **RES CALCIUM CARBONATE** **BM-3** **BIS(2-ETHYLHEXYL) TEREPHTHALATE** **BM-3** **SILICA, AMORPHOUS** **LT-P1** | **CAN SOYBEAN OIL, EPOXIDIZED, ME ESTER, REACTION PRODUCTS WITH PROPYLENE GLYCOL** **LT-UNK** **2-PROPENOIC ACID, METHYL ESTER, POLYMER WITH 1,1-DICHLOROETHENE** **LT-UNK** **BARIUM DISTEARATE** **LT-UNK** **ZINC STEARATE** **LT-UNK** **2-(ACRYLOYLOXY)ETHANOL** **LT-P1** | **AQU** | **MAM** | **SKI** | **MUL 2-HYDROXYPROPYL ACRYLATE** **LT-UNK** | **RES** | **MAM** | **SKI** **BENZOPHENONE** **LT-1** | **CAN** | **END METHYL BENZOYLFORMATE** **LT-UNK** **GLYCEROL PROPOXYLATE TRIACRYLATE** **LT-UNK** **1,6-HEXANEDIOL DIACRYLATE** **LT-P1** | **SKI** | **EYE** | **MUL**]

Number of Greenscreen BM-4/BM3 contents ... 2

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

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: FloorScore
VOC content: REACH SCHC

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-08-17

PUBLISHED DATE: 2018-08-17

EXPIRY DATE: 2021-08-17



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

TEKNOFLOR® DESIGNSCAPES HPD™

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: While Teknoflor® does not meet the qualifications for "Residuals & Impurities - Considered" per HPDC's Emerging Best Practices, we have 1) disclosed all known, intentionally-added ingredients; 2) Tested Teknoflor® Designscares HPD to ensure it is free of Red List Heavy Metals, Phthalate-Free, Formaldehyde-Free, complies with REACH SVHC, and meets VOC Emissions/Indoor Air Quality requirements per FloorScore / California Section 01350.

OTHER PRODUCT NOTES:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

#: 38.0000 - 42.0000 GS: LT-P1 RC: None NANO: No ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

CALCIUM CARBONATE

ID: 471-34-1

#: 33.0000 - 37.0900 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:

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

#: 18.0100 - 20.8300 GS: BM-3 RC: None NANO: No ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILICA, AMORPHOUS

ID: 7631-86-9

#: 0.3158 - 0.3459	GS: LT-P1	RC: None	NANO: No	ROLE: Additive
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

SOYBEAN OIL, EPOXIDIZED, ME ESTER, REACTION PRODUCTS WITH PROPYLENE GLYCOL

ID: 96690-51-6

#: 0.2275 - 0.2382	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

2-PROPENOIC ACID, METHYL ESTER, POLYMER WITH 1,1-DICHLOROETHENE

ID: 25038-72-6

#: 0.2275 - 0.2382	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BARIUM DISTEARATE

ID: 6865-35-6

#: 0.2275 - 0.2383	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC STEARATE

ID: 557-05-1

#: 0.2275 - 0.2382	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

2-(ACRYLOYLOXY)ETHANOL

ID: 818-61-1

#: **0.1504 - 0.1598** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **UV Layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

2-HYDROXYPROPYL ACRYLATE

ID: 999-61-1

#: **0.0970 - 0.1250** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled

SUBSTANCE NOTES:

BENZOPHENONE

ID: 119-61-9

#: **0.0381 - 0.0410** GS: **LT-1** RC: **None** NANO: **No** ROLE: **UV Layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen

ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

METHYL BENZOYLFORMATE

ID: 15206-55-0

#: **0.0271 - 0.0290** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Layer**

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

SUBSTANCE NOTES:

GLYCEROL PROPOXYLATE TRIACRYLATE

ID: 52408-84-1

#: **0.0271 - 0.0290** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **UV Layer**

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

SUBSTANCE NOTES:

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

#: **0.0271 - 0.0290** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **UV Layer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
SKIN IRRITATION	EU - GHS (H-Statements) H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements) H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements) H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK Sensitizing Substance Sh - Danger of skin sensitization

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

FloorScore

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

https://www.scs-certified.com/products/cert_pdfs/Shannon_2017_SCS-FS-04567_s7.pdf

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE:

2017-01-26

EXPIRY DATE:

2018-09-30

CERTIFIER OR LAB:

SCS Global Services

VOC CONTENT

REACH SCHC

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2017-01-26**

EXPIRY DATE:

CERTIFIER OR LAB: **FITI Testing & Research Institute**

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.

USE ADHESIVES RECOMMENDED BY THE FLOORING MANUFACTURER

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

See www.shannonspecialtyfloors.com for recommended adhesives. Use adhesives recommended by the flooring manufacturer.

Section 5: General Notes

N/A



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 and Sustainability 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

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.