

CLASSIFICATION: 09 68 13

PRODUCT DESCRIPTION: Infinity® 2 Modular is a vinyl composite backing engineered for strong performance with excellent tuft bind and dimensional stability. Resists delamination, edge ravel, pilling, fuzzing, and wet cleanings. Available in varied sizes making installation or replacement easy. Infinity® 2 Modular has a limited lifetime wear warranty and limited lifetime backing warranty. Excellent for healthcare, education, retail and corporate facilities. Infinity® 2 modular contains pre-consumer recycled content. Certified NSF/ANSI-140 Gold.

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

INFINITY® 2 MODULAR [**LIMESTONE; CALCIUM CARBONATE** **LT-UNK**
POLYVINYL CHLORIDE (PVC) **LT-P1** | **RES BIS(2-ETHYLHEXYL)**
TEREPHTHALATE **BM-3** **POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK**
ETHYLENE VINYL ACETATE POLYMER (EVA) **LT-UNK** **SOLID / PLATE**
GLASS (GLASS/FIBERGLASS) **LT-UNK** **NYLON 6 (POLY[HEXANO-6-**
LACTAM]) **LT-UNK** **NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6-**
HEXANEDIYL)IMINO-1,6-HEXANEDIYL]) **LT-UNK** **EPOXIDIZED SOYBEAN**
OIL **LT-UNK** **UNDISCLOSED** **LT-UNK** **POLYPROPYLENE** **LT-UNK** **CARBON**
BLACK **LT-1** | **CAN CALCIUM STEARATE** **LT-UNK** **POLYETHYLENE** **LT-UNK**
QUARTZ **LT-1** | **CAN 2-ETHYLHEXYL METHYL TEREPHTHALATE** **NoGS** **2-**
PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-
PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-
PROPENAMIDE AND 2-PROPENITRILE **LT-UNK** **DODECYL ALCOHOL,**
ETHOXYLATED **LT-P1** | **MUL 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:

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
Multi-attribute: NSF/ANSI 140-2015 - Gold

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-06-27

PUBLISHED DATE: 2018-06-27

EXPIRY DATE: 2021-06-27



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

INFINITY® 2 MODULAR

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered and those that fall above threshold are included.

OTHER PRODUCT NOTES: A range is given for the substances due to variances in face weight and to protect the proprietary nature of the formulation.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 35.0000 - 45.0000 GS: LT-UNK RC: None NANO: No ROLE: Pre-coat

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

#: 15.0000 - 20.0000 GS: LT-P1 RC: None NANO: No ROLE: Secondary Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

#: 6.0000 - 8.0000 GS: BM-3 RC: None NANO: No ROLE: Secondary Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 2.0000 - 4.0000	GS: LT-UNK	RC: Both	NANO: No	ROLE: Primary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from manufacturing waste and post-consumer soda bottles.

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: 2.0000 - 4.0000	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Pre-coat
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content is from manufacturing waste.

SOLID / PLATE GLASS (GLASS/FIBERGLASS)

ID: 65997-17-3

%: 1.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Secondary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

NYLON 6 (POLY[HEXANO-6-LACTAM])

ID: 25038-54-4

%: 0.0000 - 30.0000	GS: LT-UNK	RC: Both	NANO: No	ROLE: Face Fiber
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from manufacturing waste and post-consumer plastics collection.

NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6- HEXANEDIYL)IMINO-1,6-HEXANEDIYL])

ID: 32131-17-2

%: 0.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Face Fiber
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Secondary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

UNDISCLOSED

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Secondary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. This substance is considered proprietary from the supplier.

POLYPROPYLENE

ID: 9003-07-0

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Primary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 0.6000	GS: LT-1	RC: None	NANO: No	ROLE: Face Fiber
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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

CANCER

MAK

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

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

CALCIUM STEARATE

ID: 1592-23-0

%: 0.0000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Secondary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

POLYETHYLENE

ID: 9002-88-4

%: 0.0000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Primary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

QUARTZ

ID: 14808-60-7

%: 0.0000 - 0.5000	GS: LT-1	RC: None	NANO: No	ROLE: Residual in multiple layers
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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 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

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

2-ETHYLHEXYL METHYL TEREPHTHALATE

ID: 63468-13-3

%: 0.0000 - 0.5000	GS: NoGS	RC: None	NANO: No	ROLE: Secondary Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE

ID: 61467-52-5

#: **0.0000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

DODECYL ALCOHOL, ETHOXYLATED

ID: 9002-92-0

#: **0.0000 - 0.2000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pre-coat**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

TITANIUM DIOXIDE

ID: 13463-67-7

#: **0.0000 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

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: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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: **Second Party**

ISSUE DATE: **2004-06-07**

EXPIRY DATE: **2018-12-31**

CERTIFIER OR LAB: **Carpet and Rug Institute**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: <http://www.carpet-rug.org/CRI-Testing-Programs/Green-Label-Plus/Carpet,-Adhesive-Cushion/GLP-Carpet-Products.aspx?&manufacturer=Mannington%20Mills%2C%20Inc>

CERTIFICATION AND COMPLIANCE NOTES: **GLP7616 and GLP1024**

MULTI-ATTRIBUTE

NSF/ANSI 140-2015 - Gold

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY

CERTIFIER OR LAB:

APPLICABLE FACILITIES: **Calhoun, GA**

2008-07-

DATE:

SCS Global

CERTIFICATE URL:

01

2021-06-

Services

https://www.scs-certified.com/products/cert_pdfs/ManningtonMills_2017_SCS-SCC-01906_s.pdf

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CERTIFICATION AND COMPLIANCE NOTES: **SCS-SCC-01906**

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.

MANNINGTON COMMERCIAL INFINITY® ADHESIVE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The recommended method for installing Infinity® modular carpet tile (or plank) is to use the full adhesive method with Mannington Commercial INFINITY® adhesive. The instructions for this installation procedure can be found on the Mannington Commercial web site (<http://www.manningtoncommercial.com>)

FRELOCK TABS®

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

A dry installation system with the flexibility to be a floating floor or to adhere to the subfloor. FreLock Tabs® are applied directly to the back of each carpet tile during installation—odorless, clean, hassle-free, and designed to perform. The full specifications can be found at www.manningtoncommercial.com.

Section 5: General Notes

Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.



MANUFACTURER INFORMATION

MANUFACTURER: **Mannington Mills**
 ADDRESS: **Mannington Mills**
**1844 US Highway 41 S.E.
 Calhoun GA 30701,**
USA
 WEBSITE: **www.manningtoncommercial.com**

CONTACT NAME: **Dave Kitts**
 TITLE: **VP - Environment**
 PHONE: **856-339-5871**
 EMAIL: **dave_kitts@mannington.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.