

CLASSIFICATION: 09 68 16.00 FINISHES: SHEET CARPETING

PRODUCT DESCRIPTION: THIS HPD COVERS ALL PRODUCTS UNDER BENTLEY MILLS' HIGH PERFORMANCEPC BROADLOOM BACKING. PRODUCT CONSTRUCTION INCLUDES NYLON 6,6 FACE FIBER, LATEX BINDING AND POLYPROPYLENE BACKING.

Section 1: Summary

CONTENT INVENTORY

- | | |
|--|--|
| Threshold per material | Residuals and impurities considered in |
| <input checked="" type="radio"/> 100 ppm | 1 of 1 materials |
| <input type="radio"/> 1,000 ppm | <input checked="" type="radio"/> see Section 2: Material |
| <input type="radio"/> Per GHS SDS | Notes |
| <input type="radio"/> Per OSHA MSDS | <input type="radio"/> see Section 5: General |
| <input type="radio"/> Other | Notes |

Based on the selected Content Inventory Threshold:

- | | |
|---|--|
| Characterized..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes No |
| Screened..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes No |
| Identified..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier? | Yes No |

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.

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
 Nanomaterial..... No

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

HIGH PERFORMANCEPC BROADLOOM [NYLON 6,6 **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** POLYPROPYLENE **LT-UNK** | RES STYRENE BUTADIENE RUBBER (SBR) **LT-UNK** AMMONIUM LAURYL SULFATE 1,2-BENZISOTHAZOLIN-3-ONE (BIT) **LT-P1** | MAM | SKI | EYE | AQU | MUL ALUMINA TRIHYDRATE **BM-2** | RES ETHANOL **BM-2** | CAN | DEV | PHY POTASSIUM HYDROXIDE **LT-UNK** | MAM | SKI]

INVENTORY AND SCREENING NOTES:

Bentley Mills, Inc. has enlisted ToxServices LLC to accurately create this HPD assessed to the ingredient disclosure level of 100 ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: June 9, 2016	EXPIRY DATE*: June 9, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: June 9, 2016	* or within 3 months of significant change in product contents

**See HPDC website for details*



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

HIGH PERFORMANCEPC BROADLOOM

#: 100.0000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes:

NYLON 6,6

ID: 32131-17-2

#: 28.8200 - 56.0000 GS: LT-UNK RC: None NANO: NO ROLE: Face Fiber

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Recycled content will vary by style and color.

LIMESTONE; CALCIUM CARBONATE ID: 1317-65-3

#: 28.0300 - 45.3400 GS: LT-UNK RC: None NANO: NO ROLE: Backing Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYPROPYLENE

ID: 9003-07-0

#: 7.8900 - 12.7600 GS: LT-UNK RC: None NANO: NO ROLE: Backing

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

STYRENE BUTADIENE RUBBER (SBR) ID: 9003-55-8

#: 7.4700 - 12.0900 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

AMMONIUM LAURYL SULFATE ID: 68081-96-9

#: 0.0800 - 0.1400 GS: RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,2-BENZISOTHIAZOLIN-3-ONE (BIT)

ID: 2634-33-5

#: 0.0100 - 0.0200 GS: LT-P1 RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION EU - R-phrases	R38 - Irritating to skin
EYE IRRITATION EU - R-phrases	R41 - Risk of serious damage to eyes
SKIN SENSITIZE EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

#: 0.0010 - 0.0100 GS: BM-2 RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES:**ETHANOL****ID: 64-17-5**

%: 0.0010 - 0.0100

GS: BM-2

RC: None

NANO: NO

ROLE: Thickening Agent Component

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen (form-specific or based on limited exposure pathways)

CANCER

MAK

Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels

DEVELOPMENTAL

CA EPA - Prop 65

Developmental (form-specific or based on limited exposure pathways)

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES:**POTASSIUM HYDROXIDE****ID: 1310-58-3**

%: 0.0010 - 0.0100

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder Component

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SKIN IRRITATION EU - R-phrases

R35 - Causes severe burns

SKIN IRRITATION EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

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.

MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: <http://www.bentleymills.com/sustainability/certificate-awards/>

CERTIFICATION AND COMPLIANCE NOTES: CERTIFICATION # 2632

Cradle to Cradle Certified™ Silver (Version 3.1)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-10-04	2017-10-03	McDonough Braungart Design Chemistry (MBDC)

MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: info.nsf.org/Certified/Sustain/listings.asp

CERTIFICATION AND COMPLIANCE NOTES: CERTIFICATION # C0002413-106

NSF Sustainable Carpet Assessment Standard - ANSI/NSF 140-2007e - Gold

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-01-23	2017-12-31	NSF International for the Carpet & Rug Institute

VOC EMISSIONS

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: www.carpet-rug.org/glpproducts

CERTIFICATION AND COMPLIANCE NOTES: For 9X Predyed Nylon with SB Latex Backing (GLP8936); ANSI Certification # 0754

Green Label Plus Indoor Air Quality Testing Program

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2004-05-28	2016-12-31	The Carpet and Rug Institute, Inc.

VOC EMISSIONS

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: www.carpet-rug.org/glpproducts

CERTIFICATION AND COMPLIANCE NOTES: For 1Y Postdyed Nylon with SB Latex Backing (GLP4435); ANSI Certification #0754

Green Label Plus Indoor Air Quality Testing Program

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2004-05-28	2016-12-31	The Carpet and Rug Institute, Inc.

**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.

HEALTHBOND 1000 (VOC 0.00 G/L)**HPD URL: No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Bentley Mills, Inc. recommended adhesive should be utilized to aid in the proper installation of High Performance Broadloom products and to ensure the product warranty.

This product has undergone a Cradle to Cradle Certified™ Certification evaluation and has achieved a Silver level certification. The assessment is conducted by an accredited assessor with expertise in toxicology and chemistry. Companies pursuing certification commit to phasing out problematic ingredients that have been identified. The material health score indicates how much progress has been made in optimizing the product. Bentley's standard broadloom, High PerformancePC, and tile products, AFIRMA Hardback and NexStep® Cushion, have both been certified at the Silver Level under version 2. Beauty. Service. Quality. Partnership. For over 30 years, these tenants have driven Bentley™ - California's largest carpet design and manufacturing corporation. Our award-winning broadloom, carpet tile and area rug products exude high performance and have earned superior Textile Appearance Retention Ratings (TARR), Cradle to Cradle Certified™, Green Label Plus certification and NSF-140 Gold certifications. Bentley manufactures in a LEED for Existing Buildings Gold Certified facility and is a multi-year recipient of the GSA Evergreen Award. This product makes the claim that it is Living Building Challenge Red List Free.



MANUFACTURER INFORMATION

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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) BM-2	LT-1 List Translator Likely Benchmark 1
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)	UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.