

CLASSIFICATION: 09 68 16.00 FINISHES: SHEET CARPETING

PRODUCT DESCRIPTION: BROADLOOM CARPET THAT ALLOWS FOR A MORE ROBUST PATTERN AND DEFINITION. 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

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with
results disclosed.

Identified Yes Ex/SC Yes No
One or more substances not disclosed by Name (Specific or
Generic) and Identifier and/ or one or more Special Condition
did not follow guidance.

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

**HIGH PERFORMANCE PC [NYLON 6,6 (NYLON 6,6) LT-UNK LIMESTONE;
CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) LT-UNK
POLYPROPYLENE (POLYPROPYLENE) LT-UNK HIGH-IMPACT
POLYSTYRENE (HIGH-IMPACT POLYSTYRENE) LT-UNK WATER (WATER)
BM-4 ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) BM-2 | RES
CARBON BLACK (CARBON BLACK) LT-1 | CAN TITANIUM DIOXIDE LT-1 |
CAN | END UNDISCLOSED LT-UNK QUARTZ (QUARTZ) LT-1 | CAN
UNDISCLOSED NoGS MAGNESIUM CARBONATE BASIC (PRIMARY CASRN
IS 39409-82-0) NoGS UNDISCLOSED NoGS UNDISCLOSED NoGS]**

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:

Bentley Mills, Inc. has prepared this HPD and assessed to ingredient disclosure level of 1,000 ppm. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold. Due to the proprietary nature of the information, the name and CAS number for certain chemicals have been redacted from this substance entry.

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
VOC emissions: CRI Green Label Plus - Carpets
Multi-attribute: Cradle to Cradle Certified - Silver (V3.1)
Multi-attribute: NSF/ANSI 140-2007e - Gold

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-3682

SCREENING DATE: 2020-02-10
PUBLISHED DATE: 2020-02-28
EXPIRY DATE: 2023-02-10



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

HIGH PERFORMANCE PC

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on best practices of raw material suppliers and Bentley Mills' participation in the Carpet and Rug Institutes's Green Label Plus program.

OTHER PRODUCT NOTES: This HPD covers all available colors and styles on this backing composition; regardless of the dye method.

NYLON 6,6 (NYLON 6,6)

ID: 32131-17-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-10

#: 30.00 - 40.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Structure

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-10

#: 30.00 - 35.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Backing Filler/Structure

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Pre-Consumer recycled content is utilized during the manufacturing process of this ingredient. A minimum of 90% of the limestone ore used is derived from the by-product of a separation technology. This rejected material does not meet minimum specifications for use as a raw feed material for production and thus is treated as "waste".

POLYPROPYLENE (POLYPROPYLENE)

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-10

#: 5.00 - 11.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Backing

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

HIGH-IMPACT POLYSTYRENE (HIGH-IMPACT POLYSTYRENE)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-10		
#: 4.00 - 6.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

WATER (WATER)

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-10		
#: 4.00 - 7.00	GS: BM-4	RC: None	NANO: No	ROLE: Backing
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-10		
#: 4.00 - 7.00	GS: BM-2	RC: None	NANO: No	ROLE: Binder Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES:				

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-10		
#: 1.00 - 2.00	GS: LT-1	RC: None	NANO: No	ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	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:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-10**

#: **1.00 - 2.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-10**

#: **0.20 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Coating/Finish**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

QUARTZ (QUARTZ)

ID: 14808-60-7

#: **0.00 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
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	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

UNDISCLOSED

#: **0.00 - 0.80** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Fiber Finish**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

MAGNESIUM CARBONATE BASIC (PRIMARY CASRN IS 39409-82-0)ID: **39456-66-1**

#: **Impurity/Residual** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

UNDISCLOSED

%: **0.00 - 2.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Pigments**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED%: **0.00 - 0.40**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

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: Third Party
ISSUE DATE: 2004-05-28
EXPIRY DATE: 2020-09-30
CERTIFIER OR LAB: CRI (Green Label Plus)

APPLICABLE FACILITIES: 14641 Don Julian Rd City of Industry CA US 91746

CERTIFICATE URL: <https://services.carpet-rug.org/api/GLPCertificate/8936>

CERTIFICATION AND COMPLIANCE NOTES: For 9X Predyed Nylon with SB Latex Backing (GLP8936); ANSI Certification # 0754. This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario.

VOC EMISSIONS

CRI Green Label Plus - Carpets

CERTIFYING PARTY: Third Party
ISSUE DATE: 2004-05-28
EXPIRY DATE: 2020-03-31
CERTIFIER OR LAB: CRI (Green Label Plus)

APPLICABLE FACILITIES: 14641 Don Julian Rd City of Industry CA US 91746

CERTIFICATE URL: <https://services.carpet-rug.org/api/GLPCertificate/4435>

CERTIFICATION AND COMPLIANCE NOTES: For 1Y Postdyed Nylon with SB Latex Backing (GLP4435); ANSI Certification #0754. This product complies with California DPH Section 01350 Versions 1.1 and 1.2 Private Office Scenario

MULTI-ATTRIBUTE

Cradle to Cradle Certified - Silver (V3.1)

CERTIFYING PARTY: Third Party
ISSUE DATE: 2018-03-01
EXPIRY DATE: 2020-04-01
CERTIFIER OR LAB: MBDC

APPLICABLE FACILITIES: All

CERTIFICATE URL: http://www.bentleymills.com/wp-content/uploads/2018/03/Bentl_High_Silve_CERT3434_2018-03-02.pdf

CERTIFICATION AND COMPLIANCE NOTES: Certification number: 3433. Product conforms to Cradle 2 Cradle Silver criteria, includes material health, material reutilization, renewable energy and carbon management, water stewardship, social fairness.

MULTI-ATTRIBUTE

NSF/ANSI 140-2007e - Gold

CERTIFYING PARTY: Third Party
ISSUE DATE: 2014-01-23
EXPIRY DATE: 2020-12-31
CERTIFIER OR LAB: NSF International for the Carpet & Rug Institute

APPLICABLE FACILITIES: All

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

CERTIFICATION AND COMPLIANCE NOTES: CERTIFICATION #C0002413-106 covers all patterns and colors of carpet products on High PerformancePC broadloom backing.

OTHER

ILFI Declare - LBC Compliant

+ 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

HPD URL: No HPD available

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.

+ Section 5: General Notes

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 3.1. 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 and Platinum 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 Compliant for both COLORCAST™ and Solution dyed carpet products.

MANUFACTURER INFORMATION

MANUFACTURER: **Bentley Mills, Inc.**
ADDRESS: **14641 Don Julian Rd**
City of Industry CA 91746, United States
WEBSITE: **14641 Don Julian Rd**

CONTACT NAME: **David Turkes**
TITLE: **Director of Sustainability**
PHONE: **6269342005**
EMAIL: **david.turkes@bentleymills.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.