

HPD UNIQUE IDENTIFIER: 1206401414144

CLASSIFICATION: 09 68 00 Carpeting

PRODUCT DESCRIPTION: Commercial Nylon Broadloom Carpet on Unibond Plus is an advanced high performance backing system designed to provide long term carpet durability while delivering sustainability benefits. The Unibond Plus backing system utilizes a high performance thermoset adhesive designed to deliver greater dimensional stability and long term performance by encapsulating the carpet back stitch and securing the secondary backing to the substrate.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	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 Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

BROADLOOM CARPET ON UNIBOND® PLUS BACKING [NYLON 6
LT-UNK LIMESTONE; CALCIUM CARBONATE BM-3dg STYRENE
BUTADIENE RUBBER (SBR) LT-UNK ALUMINUM HYDROXIDE, DRIED
BM-2 SKI | EYE 1-PROPENE, HOMOPOLYMER, ISOTACTIC LT-UNK
AMMONIUM LAURYL SULFATE NoGS]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The nylon broadloom carpet on Unibond Plus is a high performance backing system designed to provide long term carpet durability while delivering sustainability benefits. The carpet is also Living Building Challenge Red List Free.

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

: NSF/ANSI 140-2007e - Gold

Red List Free: ILFI Declare - Red List Free

: UL Environmental Claim Validation - Recycled content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2024-02-06
<input type="radio"/> Yes	VERIFIER:	PUBLISHED DATE: 2024-02-06
<input checked="" type="radio"/> No	VERIFICATION #:	EXPIRY DATE: 2027-02-06

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

BROADLOOM CARPET ON UNIBOND® PLUS BACKING

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on best practices of raw material suppliers, MHK's EHS policies, and enrollment in CRI's GLP program for IAQ.	
OTHER PRODUCT NOTES: Material contains all ingredients at the specified level of exposure. The residuals have been evaluated to California Department of Public Health Version 1.1	

NYLON 6

ID: 25038-54-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-02-06 8:27:37		
%: 40.0000 - 55.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Textile component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: The Nylon 6 carpet yarn contains pre-consumer content, may or may not be combined with other fibers, the range varies in combination of Nylon 6.6 depending on design and styling preference.					

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-02-06 8:27:38		
%: 25.0000 - 35.0000	GreenScreen: BM-3dg	RC: PreC	NANO: No	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: The calcium carbonate filler is a mined product from the ground and is crushed to a specific size for use in the backing formulation.					

STYRENE BUTADIENE RUBBER (SBR)				ID: 9003-55-8	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-02-06 8:27:38		
?: 5.0000 - 10.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Adhesive added to the back of the carpet to provide dimensional stability and performance.					

ALUMINUM HYDROXIDE, DRIED				ID: 21645-51-2	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-02-06 8:27:38		
%: 5.0000 - 10.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
SKI	GHS - New Zealand		Skin irritation category 2		
EYE	GHS - New Zealand		Eye irritation category 2		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
			Biological and Environmentally Released Materials		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
			Children's Products		
SUBSTANCE NOTES:					

1-PROPENE, HOMOPOLYMER, ISOTACTIC				ID: 25085-53-4	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-02-06 8:27:38		
%: 5.0000 - 10.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Cushioning	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-02-06 8:27:39

%: 0.0000 - 2.0000 ALT GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Cushioning

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to 1-Propene, homopolymer, isotactic.

AMMONIUM LAURYL SULFATE

ID: 68081-96-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-02-06 8:27:39

%: 0.0100 - 0.1500 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Surfactant

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

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	CRI Green Label Plus	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Chatsworth, Ga. CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2004-10-28 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: CRI
MULTI-ATTRIBUTE	NSF/ANSI 140-2007e - Gold	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Chatsworth GA CERTIFICATE URL: http://mohawkgroup.com CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2009-07-13 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: NSF
RED LIST FREE	ILFI Declare - Red List Free	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Chatsworth, GA CERTIFICATE URL: https://www.living-future.org/declare/ CERTIFICATION AND COMPLIANCE NOTES: Red List Free	ISSUE DATE: 2016-11-01 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: ILFI
RECYCLED CONTENT	UL Environmental Claim Validation - Recycled content	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Chatsworth GA CERTIFICATE URL: http://www.mohawkgroup.com CERTIFICATION AND COMPLIANCE NOTES: Tufted Nylon Broadloom Carpet on Unibond® Plus Backing contains an average of 34% pre-consumer recycled content.	ISSUE DATE: 2015-04-03 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: UL
LCA	Environmental Product Declaration (EPD) by UL - Industry Generic	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Chatsworth GA CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2019-07-01 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: Underwriters Laboratory

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.

MOHAWK NUBROADLOK MULTI-PURPOSE ADHESIVE

MANUFACTURER (OR GENERIC): Mohawk Industries, Inc.

HPD URL: <http://www.mohawkgroup.com>
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: The use of Mohawk Group branded adhesives for installation is required to ensure optimum results and are only approved adhesives warranted by Mohawk Group. Failure to use Mohawk Group branded adhesives could result in installation failures and the warranty would be null and void.

Tufted Broadloom Carpet on Unibond Plus Backing is an advanced high performance backing system designed to bring long term carpet durability while delivering sustainability benefits. The Unibond Plus backing system utilizes a high performance thermoset adhesive designed to deliver greater dimensional stability and long term performance by encapsulating the carpet back stitch and securing the secondary backing to the substrate.

MANUFACTURER INFORMATION

MANUFACTURER: **Mohawk Group**
ADDRESS: **160 South Industrial Blvd**
Calhoun, GA 30701
COUNTRY: **USA**

WEBSITE: **www.mohawkgroup.com**
CONTACT NAME: **Riley Kagele**
TITLE: **Sustainability Coordinator**
PHONE: **7068796572**
EMAIL: **riley_kagele@mohawkind.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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

