

HPD UNIQUE IDENTIFIER: 22787

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. The advanced thermoset adhesive contains an average of 34% post-industrial content.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold level</p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p>
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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
BROADLOOM CARPET ON UNIBOND® PLUS BACKING [LIMESTONE; CALCIUM CARBONATE LT-UNK STYRENE BUTADIENE RUBBER (SBR) LT-UNK POLYPROPYLENE LT-UNK NYLON 6 LT-UNK NYLON 6,6 LT-UNK 2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0
 Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
 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
 Multi-attribute: NSF/ANSI 140-2007e - Gold
 LCA: Environmental Product Declaration (EPD) by UL - Industry Generic
 Other: ILFI Declare - Red List Free

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

<p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>PREPARER: Self-Prepared</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p>	<p>SCREENING DATE: 2020-11-02</p> <p>PUBLISHED DATE: 2020-11-02</p> <p>EXPIRY DATE: 2023-11-02</p>
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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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

BROADLOOM CARPET ON UNIBOND® PLUS BACKING

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, 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

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 20.0000 - 30.0000 GS: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority 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 SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Coating

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

SUBSTANCE NOTES: Adhesive added to the back of the carpet to provide dimensional stability and performance.

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-11-02

#: 5.0000 - 9.0000 GS: LT-UNK RC: PostC NANO: No SUBSTANCE ROLE: Structure component

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

SUBSTANCE NOTES: The primary and secondary backings include a small amount of post-consumer content.

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-11-02	
%: 0.0000 - 55.0000	GS: LT-UNK	RC: PreC	NANO: No SUBSTANCE ROLE: Textile component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority 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.			

NYLON 6,6 ID: **32131-17-2**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-11-02	
%: 0.0000 - 55.0000	GS: LT-UNK	RC: None	NANO: No SUBSTANCE ROLE: Textile component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: The carpet fiber may be used alone or combined with Nylon 6 for design and styling purposes.			

2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE ID: **25322-99-0**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-11-02	
%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Yarn Treatment			

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	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	EXPIRY DATE:	CERTIFIER OR LAB: NSF
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	EXPIRY DATE:	CERTIFIER OR LAB: Underwriters Laboratory
OTHER	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	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	EXPIRY DATE:	CERTIFIER OR LAB: UL

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	HPD URL: http://www.mohawkgroup.com
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.	

Section 5: General Notes

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, USA
WEBSITE: www.mohawkind.com

CONTACT NAME: Robert Marshall
TITLE: Director, Sustainable Development
PHONE: 706-624-8560
EMAIL: robert_marshall@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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

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 for compliance with the HPD standard noted.