

CLASSIFICATION: 09 68 20 Carpeting - Broadloom Carpeting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Woven carpet is one of the most sustainable flooring options, as it lasts up to 3 times longer than tufted carpet and has less impact on the environment. This is due to simpler yet sturdy construction, fewer material inputs, and less energy used during production. Because woven carpet lasts longer than other carpet constructions, it can outlive the building occupants, avoiding the need to replace it or recycle. Woven construction is the oldest method of producing textiles. In the weaving process, pile yarns are intricately interlaced into the foundation, creating a structure whereby backing and face yarns become one. The art of weaving allows for a construction that is denser than other carpet constructions, resulting in a beautiful carpet that retains its original appearance over time.

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

WOVEN NYLON BROADLOOM CARPET [POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) LT-UNK STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR)) LT-UNK 2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE (2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE) LT-UNK POLYPROPYLENE (POLYPROPYLENE) LT-UNK ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) BM-2 | RES 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE (2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE) LT-UNK NYLON 6,6 (NYLON 6,6) LT-UNK NYLON 6 (NYLON 6) LT-UNK LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) 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:

All inventory reported to threshold.

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: ILFI Declare - Red List Free
Multi-attribute: NSF/ANSI 140-2007e - Gold

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-10-30

PUBLISHED DATE: 2017-10-31

EXPIRY DATE: 2020-10-30

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

WOVEN NYLON BROADLOOM CARPET

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: Mohawk's EHS policies considered for residuals and impurities for each raw material. The residuals have been evaluated to California Department of Public Health Version 1.1

POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET))

ID: 25038-59-9

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Backing Yarns

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing Yarns

STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR))

ID: 9003-55-8

#: 5.0000 - 15.0000 GS: LT-UNK RC: None NANO: No ROLE: Back Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Back Coating

2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE (2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE)

ID: 25322-99-0

#: 0.0000 - 1.0000 GS: LT-UNK RC: None NANO: No ROLE: Fiber Treatment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Fiber Treatment

POLYPROPYLENE (POLYPROPYLENE)

ID: 9003-07-0

#: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Backing Yarn
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing Yarn

ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: 21645-51-2

#: 0.0000 - 1.0000	GS: BM-2	RC: None	NANO: No	ROLE: Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Component is bound in backing compounds and is not inhalable in the finished product.

2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE (2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE)

ID: 26949-30-4

#: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Backing Yarn
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing Yarn

NYLON 6,6 (NYLON 6,6)

ID: 32131-17-2

#: 0.0000 - 65.0000	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: The range is controlled by the pattern and aesthetics requested by the customer. The fiber layer is the largest component in the carpet structure.

NYLON 6 (NYLON 6)

ID: 25038-54-4

#: 0.0000 - 65.0000	GS: LT-UNK	RC: PreC	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: The range is controlled by the selection of pattern and the aesthetics required by the customer. The fiber layer is the largest component of the carpet structure.

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: **0.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coating Adhesive Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Coating Adhesive Filler

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
APPLICABLE FACILITIES: Eden NC
CERTIFICATE URL: <http://www.carpet-rug.org>
ISSUE DATE: 2004-10-28
EXPIRY DATE: 2017-11-14
CERTIFIER OR LAB: CRI
CERTIFICATION AND COMPLIANCE NOTES: Pre-dyed Nylon with SB Latex Unitary Backing

MULTI-ATTRIBUTE

ILFI Declare - Red List Free

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Eden NC
CERTIFICATE URL: <http://www.mohawkgroup.com>
ISSUE DATE: 2016-11-01
EXPIRY DATE: 2018-11-01
CERTIFIER OR LAB: ILFI
CERTIFICATION AND COMPLIANCE NOTES: Red List Free

MULTI-ATTRIBUTE

NSF/ANSI 140-2007e - Gold

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Eden NC
CERTIFICATE URL: <http://mohawkgroup.com>
ISSUE DATE: 2011-08-25
EXPIRY DATE: 2018-12-31
CERTIFIER OR LAB: NSF
CERTIFICATION AND COMPLIANCE NOTES: NSF140

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Use of Mohawk's Nubroadlok Premium Multi-Purpose Adhesive is required for full warranties. NuBroadlok® Premium Multi-Purpose Adhesive is specially designed to install all Mohawk Group broadloom products. NuBroadlok® Premium Multi-Purpose Adhesive is nonflammable and has low odor and low VOC's which makes it ideal for use in schools, health care facilities, public buildings, and anywhere odor is a concern. The adhesive is CRI Green Label Plus approved and meets or exceeds California SCQAMD Rule 1168.

 **Section 5: General Notes**

Woven carpets deliver unparalleled, time-tested textures and patterns. Extended life of the woven carpets means less carpet to the landfill. Compliant with LEED IEQ 4.1 Low-Emitting Materials. May contribute to or comply with LEED credits MR 4.0, MR 5.0, IEQ 4.3 and Innovation credit for ANSI/NSF 140. Quality and experience combine to offer a unique construction not available through all manufacturers.

 **Section 6: References**

MANUFACTURER INFORMATION

MANUFACTURER: Mohawk Group
ADDRESS: 160 South Industrial Blvd
Calhoun GA 30701, USA
WEBSITE: <http://www.mohawkind.com>

CONTACT NAME: George Bandy
TITLE: Vice President of Sustainability
PHONE: 706-629-7721
EMAIL: george_bandy@mohawkind.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

- | | | |
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| <ul style="list-style-type: none"> AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation | <ul style="list-style-type: none"> GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic | <ul style="list-style-type: none"> PHY Physical Hazard (reactive) REP Reproductive toxicity RES Respiratory sensitization SKI Skin sensitization/irritation/corrosivity LAN Land Toxicity NF Not found on Priority Hazard Lists |
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GreenScreen (GS)

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| <ul style="list-style-type: none"> BM-4 Benchmark 4 (prefer-safer chemical) BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes) BM-1 Benchmark 1 (avoid - chemical of high concern) BM-U Benchmark Unspecified (insufficient data to benchmark) | <ul style="list-style-type: none"> LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) NoGS Unknown (no data on List Translator Lists) |
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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.