

CLASSIFICATION: 09 68 20 Flooring - Broadloom Carpet

PRODUCT DESCRIPTION: Mohawk Residential SmartStrand® Broadloom carpet with a secondary backing and synthetic coating allows you to sink your toes into softness. The SmartStrand® polymer is made with bio-based materials that have a renewable plant-based ingredient. Mohawk's soft, stain-resistant carpet adds a touch of luxury to beautiful bedrooms and functional family rooms in over 7 million homes and counting.

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 6 of 6 Materials

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

All substances disclosed by Name (Specific or Generic) and Identifier.

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

FACE FIBER [1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,3-PROPANEDIOL (TRIXTA) **NoGS**] **COATING** [ALUMINA TRIHYDRATE (ATH) **BM-2** | RES LIMESTONE, CALCIUM CARBONATE **LT-UNK**] **AMMONIUM LAURYL SULFATE** **NoGS** **MAGNESIUM CARBONATE (PRIMARY CASRN IS 546-93-0)** **LT-UNK**] **PRIMARY** [1-PROPENE, HOMOPOLYMER, ISOTACTIC (PROPYLENE HOMOPOLYMER) **LT-UNK**] **SECONDARY** [1-PROPENE, HOMOPOLYMER, ISOTACTIC **LT-UNK**] **POLYETHYLENE TEREPHTHALATE (PET) (POLYESTER)** **LT-UNK**] **DYES AND PIGMENTS** [C.I. DISPERSE YELLOW 64 (PRIMARY CASRN IS 10319-14-9) **LT-UNK**] **9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY-** **LT-UNK**] **C.I. DISPERSE BLUE 60 (PRIMARY CASRN IS 12217-80-0)** **LT-UNK**] **3-PYRIDINECARBONITRILE, 5-[(4-CHLORO-2-NITROPHENYL) AZO]-1-ETHYL-1,2-DIHYDRO-6-HYDROXY-4-METHYL-2-OXO -** **LT-UNK**] **C.I. 10338 (PRIMARY CASRN IS 5124-25-4)** **LT-UNK**] **C.I. DISPERSE RED 60 (PRIMARY CASRN IS 17418-58-5)** **LT-UNK**] **YARN** **TOPICAL TREATMENT** [2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE **LT-UNK**] **2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE** **LT-UNK**] **ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS** **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 feed stock inventory is reported and screened to the reported threshold and ingredients are reviewed by MHK EHS.

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 - Carpets

Multi-attribute: ILFI Declare - Red List Free

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-12-10**

PUBLISHED DATE: **2019-12-10**

EXPIRY DATE: **2022-12-10**



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

FACE FIBER

#: 50.00 - 55.00

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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.

HPD URL: <https://mohawkind.com/>

OTHER MATERIAL NOTES: SmartStrand Yarn

1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,3-PROPANEDIOL (TRIEXTA)

ID: 26590-75-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-12-10

#: 50.00 - 57.00

GS: NoGS

RC: None

NANO: No

ROLE: Face Yarn

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Triexta/PTT fiber

COATING

#: 41.10 - 51.10

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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.

HPD URL: <https://mohawkind.com/>

OTHER MATERIAL NOTES: Coating compound

ALUMINA TRIHYDRATE (ATH)

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **30.00 - 35.00**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Alternate Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES: Alumina trihydrate (ATH) is a non-halogen flame retardant and it is used as an alternate filler which is bound in the back coating. As a component in the back coating it will not come into contact with the end user under normal circumstances. ATH is inert and considered non-hazardous by third party organizations as a flooring component since it is bound in the product.

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **5.00 - 35.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Filler in backing****AMMONIUM LAURYL SULFATE**

ID: 68081-96-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.01 - 0.10**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Mix agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Mix agent in compound****MAGNESIUM CARBONATE (PRIMARY CASRN IS 546-93-0)**

ID: 364320-47-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **Impurity/Residual**GS: **LT-UNK**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: **Impurity in CaCO3**

PRIMARY

%: 3.00 - 5.00

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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.

HPD URL: <https://mohawkind.com/>

OTHER MATERIAL NOTES: **Primary backing material**

1-PROPENE, HOMOPOLYMER, ISOTACTIC (PROPYLENE HOMOPOLYMER)

ID: **25085-53-4**

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

HAZARD SCREENING DATE: **2019-12-10**

%: **2.00 - 5.00**

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: **Primary backing material**

SECONDARY

%: 3.00 - 5.00

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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.

HPD URL: <https://mohawkind.com/>

OTHER MATERIAL NOTES: **Secondary backing material**

1-PROPENE, HOMOPOLYMER, ISOTACTIC

ID: 25085-53-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **2.00 - 5.00**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: **Secondary backing material****POLYETHYLENE TEREPHTHALATE (PET) (POLYESTER)**

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **2.00 - 5.00**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: **Secondary backing material****DYES AND PIGMENTS**%: **0.10 - 0.80**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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.

HPD URL: <https://mohawkind.com/>OTHER MATERIAL NOTES: **Colorants****C.I. DISPERSE YELLOW 64 (PRIMARY CASRN IS 10319-14-9)**

ID: 66565-57-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-12-10**%: **0.00 - 0.10**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant****9,10-ANTHRACENEDIONE, 1,5-DIAMINOCHLORO-4,8-DIHYDROXY-**

ID: 12217-79-7

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant**

C.I. DISPERSE BLUE 60 (PRIMARY CASRN IS 12217-80-0)

ID: **705249-99-6**

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant**

3-PYRIDINECARBONITRILE, 5-[4-CHLORO-2-NITROPHENYL] AZO]-1-ETHYL-1,2-DIHYDRO-6-HYDROXY-4-METHYL-2-OXO -

ID: **70528-90-4**

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant**

C.I. 10338 (PRIMARY CASRN IS 5124-25-4)

ID: **213129-11-4**

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant**

C.I. DISPERSE RED 60 (PRIMARY CASRN IS 17418-58-5)

ID: **1526909-88-5**

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Colorant**

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Colorant****YARN TOPICAL TREATMENT****%: 0.00 - 3.00**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, Mohawk's EHS policies, and continued compliance and enrollment in The Carpet and Rug Institute's Green Label Plus program for Indoor Air Quality.**

HPD URL: <https://www.mohawkind.com>OTHER MATERIAL NOTES: **Yarn treatment**

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: **2019-12-10**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Yarn Treatment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Yarn treatment**

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE

ID: 25035-82-9

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Yarn Treatment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Yarn treatment**

ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS

ID: 68439-57-6

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

HAZARD SCREENING DATE: **2019-12-10**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Yarn Treatment**

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 - Carpets

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2014-**

EXPIRY DATE: **2019-**

CERTIFIER OR LAB: **The Carpet**

APPLICABLE FACILITIES: **All facilities**

10-01

12-31

and Rug Institute

CERTIFICATE URL: <https://carpet-rug.org/testing/green-label-plus/carpet-products/>

CERTIFICATION AND COMPLIANCE NOTES: **Product complies with CDPH Section 01350. A USGBC recognized third party certification program for LEEP v4 EQ Credit Low-Emitting Materials.**

MULTI-ATTRIBUTE

ILFI Declare - Red List Free

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **ILFI**

APPLICABLE FACILITIES: **All Facilities**

11-14

11-30

CERTIFICATE URL: <https://living-future.org/declare/>

CERTIFICATION AND COMPLIANCE NOTES: **Declare is a transparency platform and product database that is changing the materials marketplace.**

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.

SMARTCUSHION

HPD URL: <https://mohawkind.com/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required for certain warranties.

SMART STEP PADDING

HPD URL: <https://mohawkind.com/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required for certain warranties.

Section 5: General Notes

For homes with kids and pets, the real luxury is living life worry-free with the softest, most durable, easiest to clean carpet on the planet which is SmartStrand® by Mohawk.



MANUFACTURER INFORMATION

MANUFACTURER: **Mohawk Group**
 ADDRESS: **Mohawk Industries Inc.**
160 South Industrial Blvd
Calhoun GA 30701, USA
 WEBSITE: **www.mohawkind.com**

CONTACT NAME: **George Bandy**
 TITLE: **Chief Sustainability Officer**
 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

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.