

**CLASSIFICATION:** 09 68 13 Tile Flooring

**PRODUCT DESCRIPTION:** Modular Cushion back Tile Manufactured in the US

### 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

*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**

WELLBAC™ COMFORT PRINT WORKS (DDI)/PRINT CARPET TILE - US [ LIMESTONE, CALCIUM CARBONATE **LT-UNK** ASPHALT / BITUMENS (BITUMEN) **LT-1** | CAN POLYURETHANE FOAMS **LT-UNK** POLYPROPYLENE **LT-UNK** POLYETHYLENE TEREPHTHALATE (PET) **LT-UNK** CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE (GLASS FIBER) **LT-UNK** HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED **LT-UNK** STYRENE-BUTADIENE-VINYLDIENE CHLORIDE BASED POLYMER **NoGS** STYRENE BUTADIENE RUBBER (SBR) (STYRENE-BUTADIENE COPOLYMERS) **LT-UNK** 2-PROPENOIC ACID, POLYMER WITH 1-PROPENE **LT-UNK** CAPROLACTAM **LT-UNK** | SKI | EYE CARBON BLACK **BM-1** | CAN CASTOR OIL, ETHOXYLATED, DIOLEATE, MINIMUM NUMBER AVERAGE MOLECULAR WEIGHT (IN AMU), 1260 (CASTOR OIL, ETHOXYLATED, DIOLEATE) **LT-UNK** COCONUT OIL **LT-UNK** FATTY ACIDS, TALL-OIL, ETHOXYLATED PROPOXYLATED **LT-UNK** 5-SULFOISOPHTHALIC ACID, MONOLITHIUM SALT (LITHIUM DIHYDROGEN 5-SULFOISOPHTHALATE) **NoGS** BUTANEDIOIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2) (OCTENYL, 1,4-BUTANEDIOIC ACID, DIPOTASSIUM SALT IN WATER) **NoGS** 1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED (OXLRANE, METHYL-, POLYMER WITH OXLRANE, ETHER WITH 1,2-PROPANEDIOL (2:1)) **LT-UNK** PHOSPHINIC ACID, MANGANESE(2++) SALT (2:1) **LT-UNK** POLY(OXY-1,2-ETHANEDIYL), ALPHA-METHYL-OMEGA-(2-PROPEN-1-YLOXY)- **LT-UNK** ISOCYANIC ACID, POLYMETHYLENENOLYMPHENYLENE ESTER, POLYMER WITH 2-METHYLOXIRANE POLYMER WITH OXIRANE ETHER WITH 1,2,3-PROPANETRIOL (3:1) (POLYMETHYLENENOLYMPHENYL POLYISOCYANATE, GLYCEROL ETHOXYLATED / PROPOXYLATED, COPOLYMER) **NoGS** POTASSIUM HYDROXIDE **LT-P1** | SKI QUARTZ **LT-1** |

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen

Benchmark or List translator Score ... BM-1

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

Inventory was given by all suppliers to 100ppm

CAN POLYCARBOXYLIC ACID, SODIUM SALT (SALT OF POLYCARBOXYLIC ACID) NoGS SILOXANES AND SILICONES, DI-ME, 3-HYDROXYPROPYL ME, ETHERS WITH POLYETHYLENE GLYCOL MONOMER ETHER LT-P1 STEARIC ACID LT-P1 | END ANATASE TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN WATER (DIHYDROGEN OXIDE) BM-4 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH 2-PROPENOIC ACID LT-UNK 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE LT-UNK SILICA, AMORPHOUS (AMORPHOUS SILICA) BM-1 | CAN AMYLOPECTIN, 2-HYDROXY-3-(TRIMETHYLAMMONIO)PROPYL ETHER, CHLORIDE NoGS ANTIMONY PENTAOXIDE LT-1 | AQU | CAN BARIUM LT-P1 | END 1-PROPENE TETRAMER-OXYBISBENZENE REACTION PRODUCTS, SULFONATED, SODIUM SALT (BENZENE, 1,1'-OXYBIS-, TETRAPROPYLENE DERIVS., SULFONATED, SODIUM SALTS) LT-P1 | MUL ALKYL(C10-C13)BENZENE (BENZENE, C10-13-ALKYL DERIVS) LT-UNK BUTENE, POLYMER WITH ETHENE LT-UNK C.I. PIGMENT BLUE 15 BM-3 RUTILE, ANTIMONY CHROMIUM BUFF (C.I. PIGMENT BROWN 24) BM-1 DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE LT-1 | CAN | MUL DISTILLATE FUEL OILS, LIGHT (DISTILLATES, PETROLEUM, HYDROTREATED LIGHT) BM-2 | MAM | CAN FATTY ACIDS, C16-18 AND C18-UNSATD., BRANCHED AND LINEAR, ETHOXYLATED LT-UNK ETHYLENEDIAMINE TETRAACETIC ACID, TETRASODIUM SALT (GLYCINE, N,N'-1,2-ETHANEDIYLBIS[N-(CARBOXYMETHYL)-, TETRASODIUM SALT) LT-P1 | EYE | MUL NAPHTHALENESULFONIC ACIDS, POLYMERS WITH FORMALDEHYDE AND 4,4'-SULFONYLBIS[PHENOL] LT-UNK POLY(OXY-1,2-ETHANEDIYL), ALPHA-PHOSPHONO-OMEGA-(DODECYLOXY)-, COMPD. WITH 2,2'-IMINOBIS[ETHANOL], (EO 2-8 MOL) LT-UNK SILOXANE POLYALKYLENEOXIDE COPOLYMER (SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED) NoGS SODIUM SULFATE (SULFURIC ACID DISODIUM SALT) LT-UNK MAGNESIUM SULFATE, ANHYDROUS (SULFURIC ACID MAGNESIUM SALT (1:1)) LT-UNK SODIUM LAURYL SULFATE (SULFURIC ACID MONODODECYL ESTER SODIUM SALT) LT-P1 | MUL AMMONIUM LAURYL SULFATE (SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, AMMONIUM SALTS) NoGS TRIETHANOLAMINE LT-P1 | RES | END BUTYL ACRYLATE/METHYL METHACRYLATE/METHACRYLIC ACID COPOLYMER (18000 MW) LT-UNK BM-1, PLATELET AGGREGATION INHIBITOR (METHACRYLIC ACID, BUTYL ACRYLATE POLYMER) LT-UNK SULFONATED POLYAMIDE (POLYMER) NoGS 1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 2-METHYLOXIRANE POLYMER WITH OXIRANE BIS(2-AMINOPROPYL) ETHER (POLYCAPROLACTAM THERMOPLASTIC RESIN) NoGS ]

### 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  
Other: ILFI Declare - Red List Free - Third Party Verified  
Multi-attribute: Cradle to Cradle Certified - Silver (V3.1)  
Multi-attribute: NSF/ANSI 140-2015 Sustainability Assessment for Carpet Standard

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
VERIFIER: WAP Sustainability Consulting  
VERIFICATION #: zPr-9320

SCREENING DATE: 2020-05-12  
PUBLISHED DATE: 2020-05-15  
EXPIRY DATE: 2023-05-12



## 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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### WELLBAC™ COMFORT PRINT WORKS (DDI)/PRINT CARPET TILE - US

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities were considered during the supplier engagement on disclosure of ingredients.

OTHER PRODUCT NOTES:

#### LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-12

#: 30.00 - 50.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Backing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight and backing add-on of the carpet and to protect the proprietary information of both Milliken and their suppliers.

The source of the recycled content is post-industrial waste from various processed calcium carbonate products.

#### ASPHALT / BITUMENS (BITUMEN)

ID: 8052-42-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-12

#: 6.00 - 9.00

GS: LT-1

RC: None

NANO: No

ROLE: Backing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## POLYURETHANE FOAMS

ID: 9009-54-5

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

HAZARD SCREENING DATE: **2020-05-12**

#: **6.00 - 9.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## POLYPROPYLENE

ID: 9003-07-0

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

HAZARD SCREENING DATE: **2020-05-12**

#: **3.00 - 10.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **3.00 - 10.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE (GLASS FIBER)

ID: 65997-17-3

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

HAZARD SCREENING DATE: **2020-05-12**

#: **1.00 - 2.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED

ID: 69430-35-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **1.00 - 2.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### STYRENE-BUTADIENE-VINYLDENE CHLORIDE BASED POLYMER

ID: 208448-00-4

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

HAZARD SCREENING DATE: **2020-05-12**

#: **1.00 - 5.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### STYRENE BUTADIENE RUBBER (SBR) (STYRENE-BUTADIENE COPOLYMERS)

ID: 9003-55-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 4.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### 2-PROPENOIC ACID, POLYMER WITH 1-PROPENE

ID: 25214-24-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## CAPROLACTAM

ID: 105-60-2

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## CARBON BLACK

ID: 1333-86-4

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Face fiber**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## CASTOR OIL, ETHOXYLATED, DIOLEATE, MINIMUM NUMBER AVERAGE MOLECULAR WEIGHT (IN AMU), 1260 (CASTOR OIL, ETHOXYLATED, DIOLEATE)

ID: 110531-96-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Face fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**COCONUT OIL**

ID: 8001-31-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-12**%: **0.01 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Face fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**FATTY ACIDS, TALL-OIL, ETHOXYLATED PROPOXYLATED**

ID: 67784-86-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-12**%: **0.01 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Face Fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**5-SULFOISOPHTHALIC ACID, MONOLITHIUM SALT (LITHIUM DIHYDROGEN 5-SULFOISOPHTHALATE)**

ID: 46728-75-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-12**%: **0.01 - 1.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Face fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**BUTANEDIOIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2) (OCTENYL, 1,4-BUTANEDIOIC ACID, DIPOTASSIUM SALT IN WATER)**

ID: 58641-28-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-12**%: **0.01 - 1.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Face Fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED (OXLRANE, METHYL-, POLYMER WITH OXLRANE, ETHER WITH 1,2-PROPANEDIOL (2:1))**

ID: 53637-25-5

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Face fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**PHOSPHINIC ACID, MANGANESE(2++) SALT (2:1)**

ID: 10043-84-2

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-METHYL-OMEGA-(2-PROPEN-1-YLOXY)-**

ID: 27252-80-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH 2-METHYLOXIRANE POLYMER WITH OXIRANE ETHER WITH 1,2,3-PROPANETRIOL (3:1) (POLYMETHYLENEPOLYPHENYL POLYISOCYANATE, GLYCEROL ETHOXYLATED / PROPOXYLATED, COPOLYMER)**

ID: 58228-05-0

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## POTASSIUM HYDROXIDE

ID: 1310-58-3

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## QUARTZ

ID: 14808-60-7

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

## POLYCARBOXYLIC ACID, SODIUM SALT (SALT OF POLYCARBOXYLIC ACID)

ID: 62601-60-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00** 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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**SILOXANES AND SILICONES, DI-ME, 3-HYDROXYPROPYL ME, ETHERS WITH POLYETHYLENE GLYCOL MONO-ME ETHER**

ID: 68938-54-5

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-12</b>		
%: <b>0.01 - 1.00</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Face fiber</b>

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**STEARIC ACID**

ID: 57-11-4

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-12</b>		
%: <b>0.01 - 1.00</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Backing</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**ANATASE TITANIUM DIOXIDE (TITANIUM DIOXIDE)**

ID: 1317-70-0

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2020-05-12</b>		
%: <b>0.01 - 1.00</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Face Fiber</b>

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 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### WATER (DIHYDROGEN OXIDE)

ID: 7732-18-5

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.01 - 1.00**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Face Fiber**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

The GreenScreen Assessment results were sourced from the Pharos chemicals database.

### 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH 2-PROPENOIC ACID

ID: 25751-21-7

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH SODIUM 2-PROPENOATE

ID: 26949-30-4

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10**

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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### SILICA, AMORPHOUS (AMORPHOUS SILICA)

ID: 7631-86-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### AMYLOPECTIN, 2-HYDROXY-3-(TRIMETHYLAMMONIO)PROPYL ETHER, CHLORIDE

ID: 68936-82-3

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>	HAZARD SCREENING DATE: <b>2020-05-12</b>			
%: <b>0.00 - 0.10</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Backing</b>

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### ANTIMONY PENTAOXIDE

ID: 1314-60-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>	HAZARD SCREENING DATE: <b>2020-05-12</b>			
%: <b>0.00 - 0.10</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Additives</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### BARIUM

ID: 7440-39-3

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>	HAZARD SCREENING DATE: <b>2020-05-12</b>			
%: <b>0.00 - 0.10</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Backing</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**1-PROPENE TETRAMER-OXYBISBENZENE REACTION PRODUCTS, SULFONATED, SODIUM SALT (BENZENE, 1,1'-OXYBIS-, TETRAPROPYLENE DERIVS., SULFONATED, SODIUM SALTS)**

ID: 119345-04-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
<b>MULTIPLE</b>	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**ALKYL(C10-C13)BENZENE (BENZENE, C10-13-ALKYL DERIVS)**

ID: 67774-74-7

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**BUTENE, POLYMER WITH ETHENE**

ID: 9019-29-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additives**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**C.I. PIGMENT BLUE 15**

ID: 147-14-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Face Fiber**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.  
The GreenScreen Assessment results were sourced from the Pharos chemicals database.

### RUTILE, ANTIMONY CHROMIUM BUFF (C.I. PIGMENT BROWN 24)

ID: 68186-90-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

ID: 64742-46-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### DISTILLATE FUEL OILS, LIGHT (DISTILLATES, PETROLEUM, HYDROTREATED LIGHT)

ID: 64742-47-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Backing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.  
The GreenScreen Assessment results were sourced from the Pharos chemicals database.

### FATTY ACIDS, C16-18 AND C18-UNSATD., BRANCHED AND LINEAR, ETHOXYLATED

ID: 96349-73-4

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** 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: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### ETHYLENEDIAMINE TETRAACETIC ACID, TETRASODIUM SALT (GLYCINE, N,N'-1,2-ETHANEDIYLBIS[N-(CARBOXYMETHYL)-, TETRASODIUM SALT]

ID: 64-02-8

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

### NAPHTHALENESULFONIC ACIDS, POLYMERS WITH FORMALDEHYDE AND 4,4'-SULFONYLBIS[PHENOL]

ID: 68411-62-1

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additives**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-PHOSPHONO-OMEGA-(DODECYLOXY)-, COMPD. WITH 2,2'-IMINOBISETHANOL], (EO 2-8 MOL)**

ID: 128086-07-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

%: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additives**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**SILOXANE POLYALKYLENEOXIDE COPOLYMER (SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED)**

ID: 64365-23-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

%: **0.00 - 1.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additives**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**SODIUM SULFATE (SULFURIC ACID DISODIUM SALT)**

ID: 7757-82-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-05-12**

%: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additives**

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

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**MAGNESIUM SULFATE, ANHYDROUS (SULFURIC ACID MAGNESIUM SALT (1:1))**

ID: 7487-88-9



%: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**SODIUM LAURYL SULFATE (SULFURIC ACID MONODODECYL ESTER SODIUM SALT)**ID: **151-21-3**%: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**AMMONIUM LAURYL SULFATE (SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, AMMONIUM SALTS)**ID: **68081-96-9**%: **0.00 - 0.10** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**TRIETHANOLAMINE**ID: **102-71-6**%: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additives**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagen

Asthmagen (Rs) - sensitizer-induced

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**BUTYL ACRYLATE/METHYL METHACRYLATE/METHACRYLIC ACID COPOLYMER (18000 MW)**

ID: 25035-69-2

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: A range is based on varying face weights and backing add on.

**BM-1, PLATELET AGGREGATION INHIBITOR (METHACRYLIC ACID, BUTYL ACRYLATE POLYMER)**

ID: 25035-82-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **additive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: A range is based on varying face weights and backing add on.

**SULFONATED POLYAMIDE (POLYMER)**

ID: 222173-52-6

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 4.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.

**1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 2-METHYLOXIRANE POLYMER WITH OXIRANE BIS(2-AMINOPROPYL) ETHER (POLYCAPROLACTAM THERMOPLASTIC RESIN)**

ID: 97953-26-9

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

HAZARD SCREENING DATE: **2020-05-12**

#: **0.00 - 3.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Face Fiber**

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Ranges are provided due to the variation in face weight of the carpet and to protect the proprietary information of both Milliken and their suppliers.**

## 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: **Americas**  
CERTIFICATE URL: <https://services.carpet-rug.org/api/GLPCertificate/0793>

ISSUE DATE: **2004-09-15**  
EXPIRY DATE: **2020-09-30**

CERTIFIER OR LAB: **The Carpet and Rug Institute**

CERTIFICATION AND COMPLIANCE NOTES: **WellBAC™ Comfort and Comfort Plus - Digital Dyed Injected modular tile**

### OTHER

### ILFI Declare - Red List Free - Third Party Verified

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL:  
[https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/declare/declare--americas/wellbac-comfort.pdf?sfvrsn=bc723f7c\\_42](https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/declare/declare--americas/wellbac-comfort.pdf?sfvrsn=bc723f7c_42)

ISSUE DATE: **2019-08-01**  
EXPIRY DATE: **2020-08-01**

CERTIFIER OR LAB: **WAP Sustainability**

CERTIFICATION AND COMPLIANCE NOTES: **WellBAC™ Comfort Carpet Tile**

### MULTI-ATTRIBUTE

### Cradle to Cradle Certified - Silver (V3.1)

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL:  
[https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/cradle-to-cradle/milliken-cradle-to-cradle-02-25-19.pdf?sfvrsn=bf4fb4c4\\_8](https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/cradle-to-cradle/milliken-cradle-to-cradle-02-25-19.pdf?sfvrsn=bf4fb4c4_8)

ISSUE DATE: **2019-02-25**  
EXPIRY DATE: **2020-03-20**

CERTIFIER OR LAB: **Cradle to Cradle Products Innovation Institute**

CERTIFICATION AND COMPLIANCE NOTES: **WellBAC™ Comfort and Comfort Plus Carpet Tile**

### MULTI-ATTRIBUTE

### NSF/ANSI 140-2015 Sustainability Assessment for Carpet Standard

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL:  
[https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/nsf-140/milliken-es-backed-carpet-tile-certified-nsf-140-gold.pdf?sfvrsn=a1f9bfe7\\_11](https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/nsf-140/milliken-es-backed-carpet-tile-certified-nsf-140-gold.pdf?sfvrsn=a1f9bfe7_11)

ISSUE DATE: **2008-11-18**  
EXPIRY DATE: **2020-12-31**

CERTIFIER OR LAB: **NSF**

CERTIFICATION AND COMPLIANCE NOTES: **WellBAC™ Comfort and Comfort Plus with standard ES backing**

### MANAGEMENT

### ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL: [https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/iso14001/americas-iso-14001-certificate.pdf?sfvrsn=8a34fb40\\_15](https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/iso14001/americas-iso-14001-certificate.pdf?sfvrsn=8a34fb40_15)

ISSUE DATE: **2009-06-27**  
EXPIRY DATE: **2021-06-20**

CERTIFIER OR LAB: **UL**

CERTIFICATION AND COMPLIANCE NOTES:

## MANAGEMENT

### ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL: [https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/iso9001/americas-qms-certificate.pdf?sfvrsn=84c62761\\_13](https://floors.milliken.com/docs/default-source/americas-documents/segments/sustainability/iso9001/americas-qms-certificate.pdf?sfvrsn=84c62761_13)

ISSUE DATE: **2012-06-01**  
EXPIRY DATE: **2021-05-01**  
CERTIFIER OR LAB: **Audit3, LLC**

CERTIFICATION AND COMPLIANCE NOTES:

## LCA

### Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: **Third Party**  
APPLICABLE FACILITIES: **Americas**  
CERTIFICATE URL: [https://spot.ul.com/main-app/products/detail/5c58538155b0e81fc81f6d72?page\\_type=Products%20Catalog](https://spot.ul.com/main-app/products/detail/5c58538155b0e81fc81f6d72?page_type=Products%20Catalog)

ISSUE DATE: **2019-01-01**  
EXPIRY DATE: **2024-01-01**  
CERTIFIER OR LAB: **UL**

CERTIFICATION AND COMPLIANCE NOTES: **Type III Product Specific EPD Document #: 135695-4150**

## + 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.*

### MILLIKEN MODULAR ADHESIVE

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Renovations: Little or no floor prep** Unlike many hardback products, Milliken does not require the removal of old adhesives. This can significantly reduce expenditures of both time and money. • **Non-reactive backing** eliminates adhesive failures from plasticizer migration • **Unlike some products with thin thermoplastic backings**, the thickness of our cushion will result in virtually no telegraphing • **No grinding, no solvents** — a big plus for indoor air quality • **Simply knock down the high ridges of the existing adhesive** and start installing immediately **Industry-best moisture management** Milliken has seen **ZERO** moisture claims over the last 20+ years. The reason? Our cushion backing. • **Non-Reactive Standard adhesive** with our standard cushion backing handles up to 95% RH for on-grade installations • **NO** moisture testing required for **ANY** above-grade install • **There is NO pH limit** • Milliken modular products are warranted for life against adhesive breakdown due to moisture vapor emissions **New construction: Install sooner** Construction schedules often force a choice between less-than-perfect options: 1) Delay installation to comply with recommended concrete curing times or moisture levels 2) Decide to chance an early installation, or 3) Pay extra for concrete admixtures or for third-party moisture-mitigation **Not with Milliken.** Exceptional moisture management allows installations to start sooner than most other manufacturers are comfortable with — for **Non-Reactive Standard adhesive**, as soon as 60 days after a completed pour, with no RH or pH limits.

## Section 5: General Notes

All ingredient data down to 100ppm is third party verified.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Milliken**

ADDRESS: **300 Lukken Industrial Dr.  
LaGrange GA 30240, United States**

WEBSITE: **<https://floors.milliken.com/floors/en-us/home>**

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## KEY

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**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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**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

### GreenScreen (GS)

**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)

**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)

### 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.*