

**CLASSIFICATION:** 09 68 16

**PRODUCT DESCRIPTION:** Integra HP® is Mannington Commercial's high performance integrated broadloom backing system with pre-consumer recycled content. Integra HP® provides an impermeable moisture barrier, eliminates wick-back staining and can be chemically welded for an aseptic barrier. Resists delamination, edge ravel, moisture penetration, pilling and fuzzing, and withstands wet cleanings. Integra HP® has a limited lifetime wear warranty and lifetime non-prorated backing warranty. Certified NSF/ANSI-140 Gold.

## Section 1: Summary

## Basic Method / Product Threshold

### CONTENT INVENTORY

<p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p><b>Threshold level</b></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"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></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>Are All Substances Above the Threshold Indicated:</i></p> <p><b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Percent Weight and Role Provided?</i></p> <p><b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Using Priority Hazard Lists with Results Disclosed?</i></p> <p><b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Name and Identifier Provided?</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

**INTEGRA HP® BROADLOOM CARPET** [ **NYLON 6 (POLY[HEXANO-6-LACTAM])** **LT-UNK** **NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6-HEXANEDIYL)IMINO-1,6-HEXANEDIYL])** **LT-UNK** **POLY(VINYL CHLORIDE-CO-METHYL ACRYLATE)** **LT-UNK** **ALUMINA TRIHYDRATE** **BM-2** | **RES BIS(2-ETHYLHEXYL) TEREPHTHALATE** **BM-3** **VINYL CHLORIDE-VINYL ACETATE COPOLYMERS** **LT-UNK** **SOLID / PLATE GLASS (GLASS/FIBERGLASS)** **LT-UNK** **POLYETHYLENE TEREPHTHALATE (PET)** **LT-UNK** **ZINC BORATE (FIREBRAKE ZB)** **NoGS** **POLYPROPYLENE** **LT-UNK** **1,2- CYCLOHEXANEDICARBOXYLIC ACID, 1-BUTYL 2-(PHENYLMETHYL) ESTER** **NoGS** **POLYETHYLENE** **LT-UNK** **POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-CARBOXY-1-OXOPROPYL)-OMEGA-(PENTADECYLOXY)-** **NoGS** **POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-CARBOXY-1-OXOPROPYL)-OMEGA-(TRIDECYLOXY)-** **NoGS** **DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC** **LT-1** | **CAN** | **MUL** **2-ETHYLHEXYL METHYL TEREPHTHALATE** **NoGS** **TITANIUM DIOXIDE** **LT-1** | **CAN** | **END ANATASE TITANIUM DIOXIDE** **LT-1** | **CAN** **PHOSPHINIC ACID, MANGANESE(2++) SALT (2:1)** **LT-UNK** **CASTOR OIL, ETHOXYLATED, DIOLEATE, MINIMUM NUMBER AVERAGE MOLECULAR WEIGHT (IN AMU), 1260** **LT-UNK** **POTASSIUM HYDROXIDE** **LT-P1** | **SKI** **POLY(OXY-1,2-ETHANEDIYL), ALPHA-METHYL-OMEGA-(2-PROPEN-1-YLOXY)-** **LT-UNK** **BUTANEDIOLIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2)** **NoGS** **FATTY ACIDS, TALL-OIL, ETHOXYLATED PROPOXYLATED** **LT-UNK** **SILOXANES AND SILICONES, DI-ME, 3-HYDROXYPROPYL ME, ETHERS WITH POLYETHYLENE GLYCOL MONO-ME ETHER** **LT-P1** **COCONUT OIL** **NoGS** **CALCIUM HYDROXIDE** **LT-P1** **CARBON BLACK** **LT-1** | **CAN** ]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
 Nanomaterial ... No

### INVENTORY AND SCREENING NOTES:

### 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: NSF/ANSI 140-2015 - Gold

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2018-06-27**

PUBLISHED DATE: **2018-06-27**

EXPIRY DATE: **2021-06-27**



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

### INTEGRA HP® BROADLOOM CARPET

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered and those that fall above threshold are included.

OTHER PRODUCT NOTES: A range is given for the substances due to variances in face weight and to protect the proprietary nature of the formulation.

#### NYLON 6 (POLY[HEXANO-6-LACTAM])

ID: 25038-54-4

#: 25.0000 - 30.0000 GS: LT-UNK RC: Both NANO: No ROLE: Face Fiber [ALT]

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from manufacturing waste streams and post-consumer materials sent to the supplier.

#### NYLON 6,6 (POLY[IMINO(1,6-DIOXO-1,6- HEXANEDIYL)IMINO-1,6-HEXANEDIYL])

ID: 32131-17-2

#: 25.0000 - 30.0000 GS: LT-UNK RC: None NANO: No ROLE: Face Fiber [ALT]

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

#### POLY(VINYL CHLORIDE-CO-METHYL ACRYLATE)

ID: 25035-98-7

#: 15.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Secondary Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

%: <b>15.0000 - 20.0000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY****AOEC - Asthmagens****Asthmagens (ARs) - sensitizer-induced - inhalable forms only**

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**BIS(2-ETHYLHEXYL) TEREPHTHALATE**

ID: 6422-86-2

%: <b>10.0000 - 15.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**VINYL CHLORIDE-VINYL ACETATE COPOLYMERS**

ID: 9003-22-9

%: <b>6.0000 - 8.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**SOLID / PLATE GLASS (GLASS/FIBERGLASS)**

ID: 65997-17-3

%: <b>6.0000 - 8.0000</b>	GS: <b>LT-UNK</b>	RC: <b>PostC</b>	NANO: <b>No</b>	ROLE: <b>Secondary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from used bottles.

**POLYETHYLENE TEREPHTHALATE (PET)**

ID: 25038-59-9

%: <b>3.0000 - 6.0000</b>	GS: <b>LT-UNK</b>	RC: <b>Both</b>	NANO: <b>No</b>	ROLE: <b>Primary Backing</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found****No warnings found on HPD Priority lists**

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation. Recycled content comes from manufacturing waste streams and used bottles.

### ZINC BORATE (FIREBRAKE ZB)

ID: 138265-88-0

#: **2.0000 - 3.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### POLYPROPYLENE

ID: 9003-07-0

#: **1.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### 1,2- CYCLOHEXANEDICARBOXYLIC ACID, 1-BUTYL 2-(PHENYLMETHYL) ESTER

ID: 1200806-67-2

#: **1.0000 - 3.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### POLYETHYLENE

ID: 9002-88-4

#: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-CARBOXY-1-OXOPROPYL)-OMEGA-(PENTADECYLOXY)-

ID: 146729-34-2

#: **0.1000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-CARBOXY-1-OXOPROPYL)-OMEGA-(TRIDECYLOXY)-**

ID: 124232-16-2

#: **0.1000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC**

ID: 64742-55-8

#: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH 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

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**2-ETHYLHEXYL METHYL TEREPHTHALATE**

ID: 63468-13-3

#: **0.1000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**TITANIUM DIOXIDE**

ID: 13463-67-7

#: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH 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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### ANATASE TITANIUM DIOXIDE

ID: 1317-70-0

#: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH 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: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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

ID: 10043-84-2

#: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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

ID: 110531-96-9

#: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

### POTASSIUM HYDROXIDE

ID: 1310-58-3

#: 0.1000 - 1.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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

ID: 27252-80-8

#: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**BUTANEDIOIC ACID, 2-(OCTEN-1-YL)-, POTASSIUM SALT (1:2)**

ID: 58641-28-4

#: 0.1000 - 1.0000

GS: NoGS

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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

ID: 67784-86-5

#: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

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

ID: 68938-54-5

#: 0.1000 - 1.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.



**COCONUT OIL**

ID: 8001-31-8

%: **0.1000 - 0.2000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**CALCIUM HYDROXIDE**

ID: 1305-62-0

%: **0.1000 - 0.2000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Secondary Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

**CARBON BLACK**

ID: 1333-86-4

%: **0.1000 - 0.2000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH 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: A range is given due to variances in face weight and to protect the proprietary nature of the formulation.

## 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: **Second Party**

ISSUE DATE: **2004-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **Carpet and**

APPLICABLE FACILITIES: **All**

**06-07**

**12-31**

**Rug Institute**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **GLP7616**

### MULTI-ATTRIBUTE

### NSF/ANSI 140-2015 - Gold

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **All**

**07-01**

**06-30**

**Services**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **SCS-SCC-02795**

## 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.*

### INTEGRA 2 ADHESIVE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Integra HP® is a Mannington Commercial's high performance integrated backing systems for broadloom carpet. Mannington adheres to the Carpet and Rug Institute's (CRI) Installation Standard which details minimum requirements for site conditions, floor preparation and installation. Mannington's Installation Guide provides additional details specifically for carpet styles with Integra HP® backings. These details are necessary to help assure a successful installation with full warranty coverage. See the following web site for the complete installation instructions. Installation instructions and SDS documentation can be found at [www.manningtoncommercial.com](http://www.manningtoncommercial.com).

## Section 5: General Notes

Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.



## MANUFACTURER INFORMATION

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MANUFACTURER: **Mannington Mills**

ADDRESS: **1844 US Highway 41 S.E.**

**Calhoun GA 30701, USA**

WEBSITE: **www.manningtoncommercial.com**

CONTACT NAME: **Dave Kitts**

TITLE: **VP - Environment**

PHONE: **856-339-5871**

EMAIL: **Dave\_Kitts@mannington.com**

## 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.*