Nylon Modular Carpet Tiles on EcoFlex ONE by Mohawk Group

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 28183

CLASSIFICATION: 09 68 13 Tile Carpeting

PRODUCT DESCRIPTION: EcoFlex ONE is an advanced flooring solution that improves every aspect of comfort and acoustics while eliminating moisture testing - all with a lighter environmental footprint that is Beyond Carbon Neutral. Tested, proven, and certified, EcoFlex ONE is the holistic solution for human-centric environments.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

Nested Materials Method

Basic Method

Threshold Disclosed Per

Material

Product

Threshold Level

C 100 ppm

⊙ 1,000 ppm

C Per GHS SDS

Other

Residuals/Impurities

Considered

C 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

C Yes Ex/SC ⊙ Yes C 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

NYLON MODULAR CARPET TILES ON ECOFLEX ONE [CALCIUM CARBONATE BM-3 NYLON 6 (WITH STAIN RESISTANCE) LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK CALCIUM **CARBONATE BM-3 ETHENE, POLYMER WITH 1-PROPENE LT-UNK** POLYETHYLENE TEREPHTHALATE (PET) LT-UNK 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 1,3-BUTADIENE NoGS 1-PROPENE, HOMOPOLYMER, ISOTACTIC LT-UNK NAPHTHA (PETROLEUM), LIGHT STEAM-CRACKED AROM., PIPERYLENE CONC., POLYMD. LT-UNK POLYPROPYLENE LT-UNK ETHYLENE/MA **COPOLYMER LT-UNK FIBERGLASS (PRIMARY CASRN IS 65997-17-3)** LT-UNK 2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE LT-UNK CARBON BLACK BM-1 | CAN AMMONIUM LAURYL SULFATE NoGS 2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHYL 2-PROPENOATE, SODIUM SALT LT-UNK]

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 disclosed per threshold.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listinas.

VOC emissions: CRI Green Label Plus - Carpets

Multi-attribute: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

O Yes

No

PREPARER: Self-Prepared

VERIFIER: **VERIFICATION #:** SCREENING DATE: 2022-04-07 PUBLISHED DATE: 2022-04-13 EXPIRY DATE: 2025-04-07

Nylon Modular Carpet Tiles on EcoFlex ONE hpdrepository.hpd-collaborative.org



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

NYLON MODULAR CARPET TILES ON ECOFLEX ONE

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 EHS policies, and enrollment in CRI's GLP program for IAQ.

OTHER PRODUCT NOTES: Mohawk's EHS policies considered for each raw material residual and impurity. The residuals have been evaluated to California Department of Public Heath Version 1.1

CALCIUM CARBONATE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:32:09

%: 30.0000 - 40.0000 GS: BM-3 RC: PreC NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

NYLON 6 (WITH STAIN RESISTANCE)

ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:17:46

%: 25.0000 - 35.0000 GS: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Textile component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:32:44

%: 10.0000 - 12.0000 GS: LT-UNK RC: PostC NANO: No SUBSTANCE ROLE: Cushioning

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

CALCIUM CARBONATE ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:29:05

%: 7.0000 - 12.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Coating

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:18:58

%: 4.0000 - 5.0000 GS: LT-UNK RC: Both NANO: No SUBSTANCE ROLE: Structure component HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

HAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

HAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYMER WITH 1,3-BUTADIENE

MAZARD SCREENING DATE: 2022-04-07 17:23:07

METHYL ESTER, POLYM

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:31:24

%: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Tackifier

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYPROPYLENE ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:19:39

%: 0.5000 - 1.0000 GS: LT-UNK RC: Both NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ETHYLENE/MA COPOLYMER ID: 9006-26-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:30:39

%: 0.5000 - 1.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Coating

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

FIBERGLASS (PRIMARY CASRN IS 65997-17-3)

ID: 94551-77-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:20:45

%: 0.2000 - 0.4000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-04-07 17:22:02

%: 0.1000 - 0.2000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

ID: 61467-52-5

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

CARBON BLACK ID: 1333-86-4

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD	SCREENING DATE:	2022-04-07 17:26:22
%: 0.0100 - 0.0200	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	1	WARNINGS	
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		ogen
CAN	•		Carcinogen Group 3 out not sufficient for	B - Evidence of carcinogenic effects classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure rout		
CAN	IARC		Group 2B - Possibly from occupational sc	carcinogenic to humans - inhaled

SUBSTANCE NOTES: This component is bound in the finished product. As such, the warning notification does not offer any exposure based hazard information. The identifying material does not pose any increased risk to human health under normal conditions of use or exposure.

AMMONIUM LAURYL SULFATE				ID: 68081-96-9
HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2022-04-07 17:27:44
%: 0.0100 - 0.0500	GS: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WAF	RNINGS	
None found			No warning	s found on HPD Priority Hazard Lists

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHYL 2-PROPENOATE, SODIUM SALT

ID: 41487-53-0

HAZARD SCREENING METHOD:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2022-04-07 17:28:26		
%: 0.0100 - 0.0200	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found			No war	rnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:				

SUBSTANCE NOTES:

SUBSTANCE NOTES:



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.

12

VOC EMISSIONS

CRI Green Label Plus - Carpets

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Glasgow, VA ISSUE DATE: 2022-04- EXPIRY DATE: 2022-06-29

CERTIFIER OR LAB: The Carpet

CERTIFICATE URL: https://carpet-rug.org/testing/green-

label-plus/carpet-products/

CERTIFICATION AND COMPLIANCE NOTES:

and Rug Institute

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Glasgow, VA ISSUE DATE: 2022-04-

EXPIRY DATE: 2027-CERTIFIER OR LAB: UL

04-01

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Life Cycle Analysis (LCA) was performed and Peer Reviewed against ISO 14040-14044 to insure all requirements were met. The NSF Product Category Rules were utilized as a basis for the Environmental Product Declaration (EPD), the Underwriters Laboratory (UL) was chosen as the Program Operator. The EPD was reviewed and approved by UL prior to publishing on their website.

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,

ENPRESS ADHESIVE

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

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required to use either Mohawk EnPress Adhesive or the FlexLok Installation System for warranties.

FLEXLOK INSTALLATION SYSTEM

HPD URL: http://mohawkgroup.com

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required to use either Mohawk EnPress Adhesive or the FlexLok Installation System for warranties.

Section 5: General Notes

EcoFlex ONE is an advanced flooring solution that improves every aspect of comfort and acoustics while eliminating moisture testing -all with a lighter environmental footprint that is Beyond Carbon Neutral. Tested, proven, and certified, EcoFlex ONE is the holistic solution for human-centric environments. Every element in the EcoFlex ONE construction has purpose, and combined they form the industry's leading modular carpet solution. The hydrophobic PET cushion, backing layers, and Duracolor Tricor fiber are engineered with your end-goals in mind: to optimize your investment, be sustainably made, and provide a better occupant experience. As of 2022, all Mohawk Group flooring products will be carbon neutral plus an additional 5%. EcoFlex ONE meets Mohawk Group's commitment to Beyond Carbon Neutral.

MANUFACTURER INFORMATION

MANUFACTURER: Mohawk Group ADDRESS: 160 S Industrial Blvd Calhoun GA 30701, United States

WEBSITE: http://www.mohawkgroup.com/

CONTACT NAME: Robert Marshall TITLE: Director of Special Services

PHONE: **800-544-6637**

EMAIL: robert_marshall@mohawkind.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

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 (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the

information contained within the list did not result in a clear mapping

to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material Nested Method / Product Threshold Substances listed within each material per threshold indicated per product Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.