

HPD UNIQUE IDENTIFIER: 21237

CLASSIFICATION: 09 65 19.23 Vinyl Tile Flooring

PRODUCT DESCRIPTION: Engage Genesis™ 2000 collections have a robust, 8.5 mm gauge that consists of three primary layers: 2.0 mm LVT top layer that matches the look of natural textures, while providing durability & comfort; 5.0 mm ISOCORE Technology™ - extruded, closed-cell, vinyl structural core that's 100% waterproof, rigid, strong, and dimensionally stable; and a pre-attached 1.5 mm underlayment that minimizes sound, provides warmth & comfort underfoot, and helps conceal minor subfloor imperfections. Genesis 2000 collections feature FX3 Surface Protectant™, an advanced finish that provides the ultimate in abrasion resistance & stain repellency and also inhibits the growth of odor and stain-causing mold & mildew. Genesis 2000 collections come with a lifetime residential / 15-year commercial limited warranty, are phthalate and formaldehyde-free, and are made at a factory that was one of the first in China (and all of Asia) to receive a JUSTSM label from the International Living Future Institute (ILFI).

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
 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

ENGAGE GENESIS 2000, 2000XL, 2000XP - WPC FLOORING [CALCIUM CARBONATE **BM-3** POLYVINYL CHLORIDE (PVC) **LT-P1** | RES BIS(2-ETHYLHEXYL) TEREPHTHALATE (DOTP) **BM-3dg** DAKRIL 4B (METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE) **LT-UNK** POLYETHYLENE **LT-UNK** CALCIUM STEARATE **LT-UNK** CHLORINATED POLYVINYL CHLORIDE (CPVC) **LT-UNK** ZINC STEARATE **LT-P1** RUTILE TITANIUM DIOXIDE **LT-1** | CAN POLYURETHANE FOAMS **LT-UNK** PETROLEUM RESINS (HYDROCARBON RESINS) **LT-1** | CAN POLYPROPYLENE GLYCOL **LT-UNK** BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE (THERMOPLASTIC RUBBER) **LT-UNK** SODIUM BICARBONATE **LT-P1** | END CARBON BLACK **BM-1** | CAN WHITE MINERAL OIL **LT-UNK** 1,6-HEXANEDIOL DIACRYLATE **LT-P1** | SKI | EYE | MUL TRIMETHYLOLPROPANE TRIACRYLATE (TMPTA) **LT-P1** | RES | CAN | SKI | EYE | MUL 1-BUTENE, HOMOPOLYMER (POLYBUTENE) **LT-UNK** AQUAFIL (SILICON DIOXIDE POWDER) **BM-1** | CAN 1,1,3,3-TETRAMETHYL-1,3-DIVINYLDISILOXANE (DIVINYLTETRAMETHYLDISILOXANE) **LT-UNK** DIAMOND (DIAMOND POWDER) **LT-UNK** HYDROXYCYCLOHEXYL PHENYL KETONE **LT-UNK**]

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

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

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory.

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: RFCI FloorScore

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: **2020-07-31**

PUBLISHED DATE: **2020-07-31**

EXPIRY DATE: **2023-07-31**



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

ENGAGE GENESIS 2000, 2000XL, 2000XP - WPC FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: While Engage Genesis™ 2000 collections do not meet the qualifications for "Residuals & Impurities - Considered" per HPDC's Emerging Best Practices, we have: 1) disclosed all known, intentionally-added ingredients; 2) tested these products to ensure they are free of red list heavy metals, phthalate-free, formaldehyde-free, comply with REACH SVHC, and meet VOC emissions/indoor air quality requirements per FloorScore® / California Section 01350.

OTHER PRODUCT NOTES: All known, intentionally-added ingredients of these products are disclosed in this HPD.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-07-31

#: 48.4990 - 48.4990

GS: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-07-31

#: 38.7070 - 38.9500

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

BIS(2-ETHYLHEXYL) TEREPHTHALATE (DOTP)

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-07-31

#: 2.8840 - 3.1230

GS: BM-3dg

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found		No warnings found on HPD Priority Hazard Lists
------------	--	--

SUBSTANCE NOTES:

DAKRIL 4B (METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE)

ID: 25852-37-3

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

HAZARD SCREENING DATE: **2020-07-31**

#: **2.6210 - 2.6210** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found		No warnings found on HPD Priority Hazard Lists
------------	--	--

SUBSTANCE NOTES:

POLYETHYLENE

ID: 9002-88-4

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

HAZARD SCREENING DATE: **2020-07-31**

#: **1.5580 - 1.5580** GS: **LT-UNK** RC: **None** 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 STEARATE

ID: 1592-23-0

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

HAZARD SCREENING DATE: **2020-07-31**

#: **1.3870 - 1.3900** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found		No warnings found on HPD Priority Hazard Lists
------------	--	--

SUBSTANCE NOTES:

CHLORINATED POLYVINYL CHLORIDE (CPVC)

ID: 68648-82-8

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

HAZARD SCREENING DATE: **2020-07-31**

#: **0.9070 - 0.9070** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ZINC STEARATE

ID: 557-05-1

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

HAZARD SCREENING DATE: **2020-07-31**

#: **0.6960 - 0.6980** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

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

HAZARD SCREENING DATE: **2020-07-31**

#: **0.5500 - 0.5500** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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:

POLYURETHANE FOAMS

ID: 9009-54-5

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

HAZARD SCREENING DATE: **2020-07-31**

#: **0.3760 - 0.4360** 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:

PETROLEUM RESINS (HYDROCARBON RESINS)

ID: 64742-16-1

%: **0.3220 - 0.3220**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	CA EPA - Prop 65	Carcinogen

SUBSTANCE NOTES:

POLYPROPYLENE GLYCOLID: **25322-69-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.3000 - 0.3000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Processing regulator**

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

SUBSTANCE NOTES:

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE (THERMOPLASTIC RUBBER)ID: **25038-32-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.2110 - 0.2110**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Processing regulator**

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

SUBSTANCE NOTES:

SODIUM BICARBONATEID: **144-55-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.1460 - 0.1460**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Blowing agent**

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

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0790 - 0.0790**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

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:

WHITE MINERAL OIL

ID: 8042-47-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0620 - 0.0620**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES:

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0400 - 0.0500**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

TRIMETHYLOLPROPANE TRIACRYLATE (TMPTA)

ID: 15625-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0200 - 0.0500**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

1-BUTENE, HOMOPOLYMER (POLYBUTENE)

ID: 9003-28-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0190 - 0.0190**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:

AQUAFIL (SILICON DIOXIDE POWDER)

ID: 112945-52-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-07-31**%: **0.0100 - 0.0300**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

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:

**1,1,3,3-TETRAMETHYL-1,3-DIVINYLDISILOXANE
(DIVINYLTETRAMETHYLDISILOXANE)**

ID: 2627-95-4

%: **0.0100 - 0.0200**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:

DIAMOND (DIAMOND POWDER)ID: **7782-40-3**%: **0.0100 - 0.0100**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:

HYDROXYCYCLOHEXYL PHENYL KETONEID: **947-19-3**%: **0.0060 - 0.0120**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:

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

RFCI FloorScore

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **All**

02-01

11-30

Services

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Certificate registration #SCS-FS-01967**

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.

No accessories are required for this product.

Section 5: General Notes

Engage Genesis 2000 collections are floating multilayer modular flooring and thus no adhesives are required/recommended for their installation. For more information, please refer to the professional installation manual.



MANUFACTURER INFORMATION

MANUFACTURER: **Metroflor Corporation**

ADDRESS: **15 Oakwood Avenue**

Norwalk CT 06850, USA

WEBSITE: **https://www.metroflorusa.com**

CONTACT NAME: **Arthur Clarke**

TITLE: **Director of Sustainability**

PHONE: **(203) 561-9722**

EMAIL: **ac@hmtx.global**

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.