

CLASSIFICATION: 09 60 00: Flooring

PRODUCT DESCRIPTION: Achieve 8mm- 4'x25' rolls consisting of a 5mm PLAETech Underlayment and a 3mm EPDM surface wear layer; Achieve 13mm- 4'x35' rolls consisting of a 10mm PLAETech Underlayment and a 3mm EPDM surface wear layer; Achieve 18mm- 4'x25' rolls consisting of a 15mm PLAETech Underlayment and a 3mm EPDM surface wear layer

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

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

ACHIEVE ROLL AND TILES | STYRENE BUTADIENE RUBBER (POST-CONSUMER) (STYRENE BUTADIENE RUBBER (POST-CONSUMER)) LT-UNK | CARBON BLACK (CARBON BLACK) LT-1 | CAN NATURAL RUBBER LATEX (NATURAL RUBBER LATEX) LT-UNK | RES POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO.-OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE] (POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO.-OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE]) LT-UNK | CALCIUM CARBONATE (CALCIUM CARBONATE) BM-3 | DIPHENYLMETHANE DIISOCYANATE (MDI) PREPOLYMER NoGS | BIS(TERT-BUTYLDIOXYISOPROPYL)BENZENE LT-P1 | PBT METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK | MAM | EYE | SKI | CAN | RES | MUL | DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC (DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC) LT-UNK | MAM | EYE | SKI | CAN | RES | MUL | ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) (ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)) LT-UNK | WATER (WATER) BM-4 | ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA)) LT-UNK | HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) (HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL)) LT-1 | CAN | MUL | ZINC OXIDE (ZINC OXIDE) BM-1 | AQU | RES | MUL | SULFUR (SULFUR) LT-UNK | SKI | HYDROGEN PEROXIDE (HYDROGEN PEROXIDE) LT-UNK | MAM | SKI | CAN | PHY | ((1,1,4,4-TETRAMETHYLTETRAMETHYLENE)BIS(TERT-BUTYL PEROXIDE)) ((1,1,4,4-TETRAMETHYLTETRAMETHYLENE)BIS(TERT-BUTYL PEROXIDE)) LT-P1 | PBT TALC (TALC) BM-1 | CAN | BUTANEDIOIC ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6- TETRAMETHYL-1-PIPERIDINEETHANOL (BUTANEDIOIC ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6- TETRAMETHYL-1-PIPERIDINEETHANOL) LT-UNK | 1,6-HEXANEDIAMINE, N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-, POLYMER WITH 2,4,6-TRICHLORO-

Number of Greenscreen BM-4/BM3 contents ... 3

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

INVENTORY AND SCREENING NOTES:

Ingredient names undisclosed on HPD are considered proprietary.

1,3,5-TRIAZINE, REACTION PRODUCTS WITH 2,4,4-TRIMETHYL-2-PENTANAMINE LT-UNK MAGNESITE (MAGNESITE) LT-UNK CHLORITE (CHLORITE) NoGS FERRIC OXIDE (FERRIC OXIDE) BM-2 | CAN ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) BM-2 | RES TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN UNDISCLOSED CHEMICAL #1 LT-P1 | SKI UNDISCLOSED CHEMICAL #2 LT-P1 UNDISCLOSED CHEMICAL #3 LT-P1 UNDISCLOSED CHEMICAL #4 LT-UNK UNDISCLOSED CHEMICAL #5 LT-UNK UNDISCLOSED CHEMICAL #6 LT-UNK | CAN UNDISCLOSED CHEMICAL #7 LT-P1 UNDISCLOSED CHEMICAL #8 LT-UNK UNDISCLOSED CHEMICAL #9 LT-P1 | PBT | MUL UNDISCLOSED CHEMICAL #10 LT-P1 UNDISCLOSED CHEMICAL #11 LT-1 | CAN UNDISCLOSED CHEMICAL #12 LT-P1 | MUL UNDISCLOSED CHEMICAL #13 LT-UNK UNDISCLOSED CHEMICAL #14 LT-UNK UNDISCLOSED CHEMICAL #15 LT-UNK UNDISCLOSED CHEMICAL #16 LT-1 | CAN | PBT | MUL UNDISCLOSED CHEMICAL #17 LT-UNK UNDISCLOSED CHEMICAL #18 LT-P1 UNDISCLOSED CHEMICAL #19 LT-UNK UNDISCLOSED CHEMICAL #20 LT-UNK UNDISCLOSED CHEMICAL #21 LT-1 | CAN | RES UNDISCLOSED CHEMICAL #22 LT-UNK UNDISCLOSED CHEMICAL #23 LT-UNK UNDISCLOSED CHEMICAL #24 LT-UNK UNDISCLOSED CHEMICAL #25 BM-3 UNDISCLOSED CHEMICAL #26 BM-2 | CAN UNDISCLOSED CHEMICAL #27 LT-P1 | AQU | MAM | SKI | EYE | MUL UNDISCLOSED CHEMICAL #28 LT-UNK UNDISCLOSED CHEMICAL #29 LT-1 | CAN | MUL UNDISCLOSED CHEMICAL #30 LT-UNK]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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: SCS Global Services
VERIFICATION #: qGE-4485

SCREENING DATE: 2018-01-29
PUBLISHED DATE: 2018-04-23
EXPIRY DATE: 2021-01-29



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

ACHIEVE ROLL AND TILES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: PLAE worked with a Third Party HPD Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD.

OTHER PRODUCT NOTES:

STYRENE BUTADIENE RUBBER (POST-CONSUMER) (STYRENE BUTADIENE RUBBER (POST-CONSUMER))

ID: 9003-55-8

%: 5.1890 - 66.2515	GS: LT-UNK	RC: PostC	NANO: No	ROLE: Wear Layer, Rubber Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The styrene butadiene rubber (synthetic rubber) substance is sourced as post-consumer waste from Liberty Tire. Due to the volume of tires processed by Liberty Tire, the identities and concentrations of fillers, accelerators, anti-ozonants and other additives could not be accurately determined although ranges were determined: These additives are present at 0.03-6.23% in the wear layer and 1.26-6.79% in the rubber backing. Therefore, the mass of 5.189%-66.2515% provided for styrene butadiene rubber comprises the concentration of the styrene butadiene rubber as well as the rubber additives.

CARBON BLACK (CARBON BLACK)

ID: 1333-86-4

%: 5.1890 - 46.8771	GS: LT-1	RC: None	NANO: No	ROLE: Colorant, Wear Layer, Rubber Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

SUBSTANCE NOTES: The carcinogenicity for carbon black (CAS #1333-86-4) hazard is relevant for the inhalation exposure route only.

NATURAL RUBBER LATEX (NATURAL RUBBER LATEX)

ID: 9006-04-6

#: 3.8918 - 52.1080	GS: LT-UNK	RC: None	NANO: No	ROLE: Wear Layer, Rubber Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY**MAK**

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE] (POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, POLYMER WITH 1,1'-METHYLENEBIS[ISOCYANATOBENZENE])

ID: 39420-98-9

#: **1.9200 - 8.6000**GS: **LT-UNK**

RC:	NANO:	ROLE:
None	No	Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: **1.3164 - 30.2435**GS: **BM-3**RC: **None**NANO: **No**ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-3 was provided through the HPD 2.1 Builder Tool.

DIPHENYLMETHANE DIISOCYANATE (MDI) PREPOLYMER

ID: 150409-28-2

#: **0.6243 - 6.0294**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Wear Layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BIS(TERT-BUTYLDIOXYISOPROPYL)BENZENE

ID: 25155-25-3

#: **0.4168 - 9.1131**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT**EC - CEPA DSL**

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to

SUBSTANCE NOTES:

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

ID: 101-68-8

%: **0.4093 - 2.6239** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
RESPIRATORY	EU - R-phrases	R42 - May cause sensitization by inhalation
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48 - Danger of serious damage to health by prolonged exposure.
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC (DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC)

ID: 26447-40-5

%: **0.4024 - 2.9264** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
RESPIRATORY	EU - R-phrases	R42 - May cause sensitization by inhalation
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48 - Danger of serious damage to health by prolonged exposure.
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES:

**ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)
(ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM))**

ID: 25038-36-2

#: 0.3474 - 14.3015 GS: LT-UNK RC: None NANO: No ROLE: Wear Layer, Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

WATER (WATER)

ID: 7732-18-5

#: 0.3340 - 1.5300 GS: BM-4 RC: None NANO: No ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-4 was provided through the HPD 2.1 Builder Tool.

ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA))

ID: 24937-78-8

%: 0.3190 - 0.8600

GS: LT-UNK

RC: None

NANO: No

ROLE: Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) (HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL))

ID: 64742-54-7

%: 0.2375 - 6.0976

GS: LT-1

RC: None

NANO: No

ROLE: Colorant, Wear Layer, Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

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: The classification of hydrotreated heavy paraffinic petroleum distillates (mineral oil) (CAS #64742-54-7) as a carcinogen is predicated on the level of DMSO extract as measured via IP 346: if the level of DMSO extract is at least 3%, the carcinogenicity classification is applied. As no details regarding the DMSO extract content were available, the carcinogenicity classification was assigned.

ZINC OXIDE (ZINC OXIDE)

ID: 1314-13-2

%: 0.0259 - 1.3027

GS: BM-1

RC: None

NANO: No

ROLE: Wear Layer, Rubber Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

SULFUR (SULFUR)

ID: 7704-34-9

%: **0.0259 - 0.6514** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES:

HYDROGEN PEROXIDE (HYDROGEN PEROXIDE)

ID: 7722-84-1

%: **0.0195 - 0.5007** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SKIN IRRITATION

EU - R-phrases

R35 - Causes severe burns

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H271 - May cause fire or explosion; strong oxidiser

PHYSICAL HAZARD (REACTIVE)

Korea - GHS

H271 - May cause fire or explosion; strong oxidizer

SUBSTANCE NOTES:

**(1,1,4,4-TETRAMETHYLTETRAMETHYLENE)BIS(TERT-BUTYL PEROXIDE)
((1,1,4,4-TETRAMETHYLTETRAMETHYLENE)BIS(TERT-BUTYL PEROXIDE))**

ID: 78-63-7

%: **0.0131 - 0.3538** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES:

TALC (TALC)

ID: 14807-96-6

%: **0.0090 - 3.1439** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Colorant, Wear Layer, Rubber Backing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

BUTANEDIOIC ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL (BUTANEDIOIC ACID, 1,4-DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL) ID: 65447-77-0

%: **0.0061 - 0.3071** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,6-HEXANEDIAMINE, N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)-, POLYMER WITH 2,4,6-TRICHLORO-1,3,5-TRIAZINE, REACTION PRODUCTS WITH 2,4,4-TRIMETHYL-2-PENTANAMINE ID: 70624-18-9

%: **0.0061 - 0.3071** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Wear Layer, Rubber Backing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

MAGNESITE (MAGNESITE) ID: 546-93-0

%: **0.0058 - 2.0192** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant, Wear Layer, Rubber Backing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CHLORITE (CHLORITE) ID: 1318-59-8

%: **0.0006 - 0.2232** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Colorant, Wear Layer, Rubber Backing**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

FERRIC OXIDE (FERRIC OXIDE)

ID: 1309-37-1

#: **0.0000 - 4.2050** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: 21645-51-2

#: **0.0000 - 0.3780** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

#: **0.0000 - 4.1210** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

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: The carcinogenicity for titanium dioxide (CAS #13463-67-7) hazard is relevant for the inhalation exposure route only.

SILICA, AMORPHOUS (SILICA, AMORPHOUS)

ID: 7631-86-9

#: **0.0000 - 0.4630** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES:

UNDISCLOSED CHEMICAL #1

ID: **Undisclosed**

#: **0.0000 - 2.7330** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #2

ID: **Undisclosed**

#: **0.0000 - 4.2050** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #3

ID: **Undisclosed**

#: **0.0000 - 2.1030** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #4

ID: **Undisclosed**

#: **0.0000 - 2.1030** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #5

ID: **Undisclosed**

%: 0.0000 - 2.1030

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #6

ID: **Undisclosed**

%: 0.0000 - 2.0980

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #7

ID: **Undisclosed**

%: 0.0000 - 2.0310

GS: LT-P1

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #8

ID: **Undisclosed**

%: 0.0000 - 1.9830

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #9

ID: **Undisclosed**

%: 0.0000 - 1.9280

GS: LT-P1

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #10ID: **Undisclosed**

#: **0.0000 - 1.8500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #11ID: **Undisclosed**

#: **0.0000 - 1.6930** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

CA EPA - Prop 65

Carcinogen

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #12ID: **Undisclosed**

#: **0.0000 - 1.6150** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESTRICTED LIST

German FEA - Substances Hazardous to
Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #13ID: **Undisclosed**

#: **0.0000 - 1.5420** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #14

ID: **Undisclosed**

%: **0.0000 - 1.3250** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #15

ID: **Undisclosed**

%: **0.0000 - 1.1690** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #16

ID: **Undisclosed**

%: **0.0000 - 0.4240** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

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

RESTRICTED LIST

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #17

ID: **Undisclosed**

%: 0.0000 - 0.4330

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #18

ID: **Undisclosed**

%: 0.0000 - 0.1610

GS: LT-P1

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #19

ID: **Undisclosed**

%: 0.0000 - 0.3030

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #20

ID: **Undisclosed**

%: 0.0000 - 0.2100

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #21

ID: **Undisclosed**

%: 0.0000 - 1.4510

GS: LT-1

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #22

ID: **Undisclosed**

#: **0.0000 - 1.2830** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #23

ID: **Undisclosed**

#: **0.0000 - 0.2560** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #24

ID: **Undisclosed**

#: **0.0000 - 4.2050** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #25

ID: **Undisclosed**

#: **0.0000 - 1.9760** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD. The GreenScreen Benchmark® assessment score of BM-3 was provided through the HPD 2.1 Builder Tool.

UNDISCLOSED CHEMICAL #26ID: **Undisclosed**

%: 0.0000 - 0.1370	GS: BM-2	RC: None	NANO: No	ROLE: Colorant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**MAK**

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #27ID: **Undisclosed**

%: 0.0000 - 0.1090	GS: LT-P1	RC: None	NANO: No	ROLE: Colorant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CHRON AQUATIC**EU - GHS (H-Statements)****H410 - Very toxic to aquatic life with long lasting effects****ACUTE AQUATIC****EU - GHS (H-Statements)****H400 - Very toxic to aquatic life M = 10****MAMMALIAN****EU - GHS (H-Statements)****H304: May be fatal if swallowed and enters airways****SKIN IRRITATION****EU - GHS (H-Statements)****H315 - Causes skin irritation****EYE IRRITATION****EU - GHS (H-Statements)****H318 - Causes serious eye damage****RESTRICTED LIST****German FEA - Substances Hazardous to Waters****Class 3 - Severe Hazard to Waters**

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #28ID: **Undisclosed**

%: 0.0000 - 1.1240	GS: LT-UNK	RC: None	NANO: No	ROLE: Colorant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #29ID: **Undisclosed**

%: 0.0000 - 0.5070	GS: LT-1	RC: None	NANO: No	ROLE: Colorant
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER**EU - R-phrases****R45 - May cause cancer****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: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

UNDISCLOSED CHEMICAL #30

ID: **Undisclosed**

%: **0.0000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This chemical has been identified and screened by PLAE's HPD Third Party Preparer. Due to its propriety nature, this chemical and its CAS# were not able to be disclosed on this HPD.

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: **2017-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **PLAE Vertical Inc., 105
Towne Lake Parkway, Woodstock, GA, United
States**

10-01

09-30

Services

CERTIFICATE URL: <https://plae.us/wp-content/uploads/specs/Rubber-FloorScoreCertification.pdf>

CERTIFICATION AND COMPLIANCE NOTES: **Registration # SCS-FS-02957. The products EarthFlex, EarthFlex Underlayment, Achieve, Aspire, and Aspire Eco conform to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017).**

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



MANUFACTURER INFORMATION

MANUFACTURER: **PLAE**

ADDRESS: **105 Towne Lake Parkway**

Woodstock GA 30188, USA

WEBSITE: **plae.us**

CONTACT NAME: **Deana Sherry**

TITLE: **Product Manager**

PHONE: **404-645-7900**

EMAIL: **deana.sherry@plaeusa.com**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

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

Hazard Types

AQU Aquatic toxicity

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.