

HPD UNIQUE IDENTIFIER: 21538

CLASSIFICATION: 07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing

PRODUCT DESCRIPTION: Highly modified, single component, 100% solids, hot, fluid-applied rubberized asphalt used for both roofing and waterproofing applications - roof and plaza decks, foundation walls, tunnels, etc.

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 0 of 5 Materials

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
One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

Identified Yes Ex/SC Yes No
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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](#)

POLYMER MODIFIED ASPHALT CEMENT [ASPHALT LT-1 | CAN SULFUR, PRECIPITATED (SULFUR) LT-UNK | SKI BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE LT-UNK] POST-CONSUMER RECYCLED FILLER [POST-CONSUMER RECYCLED FILLER Not Screened] DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC, RECYCLED OILS [LUBRICATING OILS, PETROLEUM, HYDROTREATED SPENT LT-P1 | CAN] STYRENE-BUTADIENE COPOLYMER [BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE LT-UNK] RUBBER CRUMB [NATURAL RUBBER LT-UNK | RES CARBON BLACK (POST-CONSUMER) BM-1 | CAN | GEN SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9) (SILICA, AMORPHOUS) BM-1 | CAN 1,3-BUTADIENE BM-1 | CAN | DEV | REP | PHY | GEN | MUL | END STYRENE BM-1 | RES | CAN | END | SKI | EYE | DEV | MAM | MUL | REP SULFUR (POST-CONSUMER) LT-UNK | SKI ZINC OXIDE BM-1 | RES | AQU | END | MUL DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI) LT-1 | PBT | CAN | MUL]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All substances meeting the threshold of 1,000 parts per million (ppm) in the product were screened and reported in this HPD. This HPD is therefore compliant to the LEED v4 credit " Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1)" under the "Material and Resources" category. There are no residuals expected to be present in this material at or above the inventory threshold level reported. All listed hazards and warnings are only an indication of the potential effects on human health based on the presence of a substance in the product, not an assessment of the potential effects under normal conditions of use and exposure. The hazards and warnings screening was done using Pharos software available online (Healthy Building Network).

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: Self-Declared

Recycled content: UL Environmental Claim Validation - Recycled content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

PREPARER: Self-Prepared

SCREENING DATE: 2020-08-31

Yes
 No

VERIFIER:
VERIFICATION #:

PUBLISHED DATE: 2020-08-31
EXPIRY DATE: 2023-08-31



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

POLYMER MODIFIED ASPHALT CEMENT

?: 40.0000 - 60.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Other: Mixture of Geologically Derived Materials, Polymers and others.

RESIDUALS AND IMPURITIES NOTES: There are no residuals expected/known to be present in this material at or above the inventory threshold level reported.

OTHER MATERIAL NOTES:

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

HAZARD SCREENING DATE: **2020-08-31**

%: **94.0000 - 100.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

SULFUR, PRECIPITATED (SULFUR)

ID: 7704-34-9

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

HAZARD SCREENING DATE: **2020-08-31**

%: **2.0000 - 6.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES: Improves physical properties

BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE

ID: 9003-55-8

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

HAZARD SCREENING DATE: **2020-08-31**

%: **1.0000 - 10.0000** GS: **LT-UNK** 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: Improves physical properties

POST-CONSUMER RECYCLED FILLER %: **20.0000 - 40.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

MATERIAL TYPE: **Other: [Undisclosed]**

RESIDUALS AND IMPURITIES NOTES: **There are no residuals expected to be present in this material at or above the inventory threshold level reported.**

OTHER MATERIAL NOTES:

POST-CONSUMER RECYCLED FILLER

ID: **Undisclosed**

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

HAZARD SCREENING DATE: **2020-08-31**

#: **100.0000**

GS: **Not Screened**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **The listed hazard is not necessarily an indication of the risks to human health associated with the material under normal conditions (i.e. normal use or normal level of exposure). This hazard was identified based only on the presence of a substance in the material**

DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTENIC, RECYCLED OILS

#: **7.0000 - 13.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

MATERIAL TYPE: **Other: Mixture of Geologically Derived Material and Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: **There are no residuals expected/known to be present in this material at or above the inventory threshold level reported.**

OTHER MATERIAL NOTES:

LUBRICATING OILS, PETROLEUM, HYDROTREATED SPENT

ID: **64742-58-1**

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

HAZARD SCREENING DATE: **2020-08-31**

#: **100.0000**

GS: **LT-P1**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

GHS - Australia

H350 - May cause cancer

SUBSTANCE NOTES:

STYRENE-BUTADIENE COPOLYMER

#: **7.0000 - 13.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: **There are no residuals expected/known to be present in this material at or above the inventory threshold level reported.**

OTHER MATERIAL NOTES:

BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE

ID: 9003-55-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **100.0000**GS: **LT-UNK**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:

RUBBER CRUMB%: **5.0000 - 10.0000**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES
CONSIDERED: **No**MATERIAL TYPE: **Other: Mixture of Geologically Derived Material and Polymers**RESIDUALS AND IMPURITIES NOTES: **There are no residuals expected/known to be present in this material at or above the inventory threshold level reported.**

OTHER MATERIAL NOTES:

NATURAL RUBBER

ID: 9006-04-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **15.0000 - 35.0000**GS: **LT-UNK**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**MAK****Sensitizing Substance Sah - Danger of airway & skin sensitization**

SUBSTANCE NOTES:

CARBON BLACK (POST-CONSUMER)

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **5.0000 - 15.0000**GS: **BM-1**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

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	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9) (SILICA, AMORPHOUS)

ID: 37241-25-1

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

HAZARD SCREENING DATE: **2020-08-31**

?: **5.0000 - 15.0000**

GS: **BM-1**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Plasticizer**

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:

1,3-BUTADIENE

ID: 106-99-0

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

HAZARD SCREENING DATE: **2020-08-31**

?: **4.0000 - 15.0000**

GS: **BM-1**

RC: **PostC**

NANO: **No**

SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US EPA - IRIS Carcinogens	(1999, 2005) Carcinogenic to humans
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 1 - Substances known to be Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
GENE MUTATION	GHS - Korea	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1A - Known human Carcinogen based on human evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]
GENE MUTATION	MAK	Germ Cell Mutagen 2
GENE MUTATION	GHS - Australia	H340 - May cause genetic defects
CANCER	GHS - Australia	H350 - May cause cancer

STYRENEID: **100-42-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **4.0000 - 15.0000**GS: **BM-1**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 2a - Agent is probably Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES:

SULFUR (POST-CONSUMER)ID: **7704-34-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **1.0000 - 4.0000**GS: **LT-UNK**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **1.0000 - 4.0000**GS: **BM-1**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI)ID: **64742-52-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-08-31**%: **0.1000 - 1.0000**GS: **LT-1**RC: **PostC**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

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

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

Self-Declared

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **Self-Declared**

APPLICABLE FACILITIES: **All**

08-31

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **MM6125® VOC Content = 0 g/L (contains no organic solvent)**

RECYCLED CONTENT

UL Environmental Claim Validation - Recycled content

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

10-24

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **40% Recycled content**

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.

FLEX-FLASH F

HPD URL: https://hpcrepository.hpd-collaborative.org/repository/HPDs/35_Flex_Flash_F.pdf

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Flex-Flash F is a spun-bonded polyester reinforcing fabric that is utilized as the standard reinforcing for the MM6125® membrane, encapsulated between coats of the membrane during application.

HYDROFLEX 30

HPD URL: https://hpcrepository.hpd-collaborative.org/repository/HPDs/35_Hydroflex_30.pdf

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Hydroflex 30 is a modified asphalt sheet good that is utilized as the primary mechanical protection for the MM6125® membrane, embedded in the top coat of membrane during application.

Section 5: General Notes

There are no residuals expected/known to be present in this material at the above-reported inventory threshold levels. An Environmental Product Declaration (EPD) was developed and is available for this product. MM6125 is produced with 40% PostC recycled content. This was validated by UL.



MANUFACTURER INFORMATION

MANUFACTURER: **American Hydrotech, Inc.**
ADDRESS: **541 N Fairbanks Ct**
Chicago IL 60611-3387, United States
WEBSITE: **www.HydrotechUSA.com**

CONTACT NAME: **John Hamati**
TITLE: **Technical Representative**
PHONE: **312-337-4998**
EMAIL: **JHamati@HydrotechUSA.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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.