

HPD UNIQUE IDENTIFIER: 167767331840

CLASSIFICATION: 03 54 00 Cast Underlayment

PRODUCT DESCRIPTION: GreenForce® is a high-performance adhesive and moisture control membrane all in one. Bostik's breakthrough AXIOS® Tri-Linking Polymer Technology used in this formulation maintains the superior long-term durability and moisture protection properties of high-end urethane adhesives. However, it is easier to spread on and clean off of prefinished flooring before and after cure. This adhesive has zero VOCs (as calculated per SCAQMD Rule 1168) and does NOT contain any water. GreenForce® comes with Bostik's BLOCKADE® antimicrobial protection, which inhibits the growth of bacteria, mold, or mildew on the surface of the cured membrane. The cured membrane resists stains caused by mold.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
☒ Nested Materials Method	☒ 100 ppm	☐ Completed	Characterized ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☒ Partially Completed	<i>Provided weight and role.</i>
	☐ Per GHS SDS	☐ Not Completed	Screened ☒ Yes ☐ No
Threshold Disclosed Per	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☐ Material		☒ Yes ☐ No	Identified ☐ Yes ☒ No
☒ Product			<i>Provided name and CAS RN or other identifier.</i>

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

GREENFORCE® [CALCIUM CARBONATE BM-3dg ALLYL TERMINATED POLYETHER (CROSSLINKED THERMOSET, >10,000 DA, <1% IS <500 DA) NoGS DI-ISODECYL PHTHALATE (DIDP) BM-1 | CAN | END | DEV | REP CALCIUM CARBONATE BM-3 | EYE 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-PROPYLHEPTYL) ESTER BM-U | CAN SILYL TERMINATED POLYETHER (CROSSLINKED THERMOSET, >10,000 DA, <1% IS <500 DA) NoGS CARBONIC ACID, MAGNESIUM SALT (1:1) BM-3dg TIN, DIBUTYLBIS(2,4-PENTANEDIONATO-O,O')-, (OC-6-11)- LT-1 | DEV | REP | MUL | CAN | MAM WATER BM-4 FATTY ACIDS, C8-18 AND C18-UNSATD. LT-UNK | SKI | EYE QUARTZ BM-1 | CAN | MAM | GEN VINYLTRIMETHOXSILANE BM-1tp | MAM | PHY]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

One substance utilizes the Polymer Special Condition and does not report a CAS Registry Number.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0-6 Regulatory (g/l): 6

Does the product contain exempt VOCs: No

Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: RFCI FloorScore

VOC content: SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Indoor Carpet, Carpet Pad Subfloor, VCT & Asphalt Tile, Dry Wall & Panel and Cove Base, as amended 1/7/05)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

GREENFORCE®

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been collected from suppliers for some materials.

OTHER PRODUCT NOTES: Substance ranges are included to protect the proprietary nature of the product and raw material formulations. GreenScreen Benchmark Assessments can be found at pharosproject.net.

CALCIUM CARBONATE ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:34	
%: 55.0000 - 65.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

ALLYL TERMINATED POLYETHER (CROSSLINKED THERMOSET, >10,000 DA , <1% IS <500 DA) ID: Not Registered

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library			HAZARD SCREENING DATE: 2023-04-26 9:46:10	
%: 15.0000 - 20.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: This substance utilizes the Polymer Special Condition.				

DI-ISODECYL PHTHALATE (DIDP) ID: 26761-40-0

%: 0.0000 - 10.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
END	ChemSec - SIN List		Endocrine Disruption	
DEV	CA EPA - Prop 65		Developmental toxicity	
DEV	US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Developmental Toxicity	
END	EU - Priority Endocrine Disruptors		Category 2 - In vitro evidence of biological activity related to Endocrine Disruption	
REP	GHS - Japan		H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List	
			Precautionary list of substances recommended for avoidance	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes of Problematic Chemicals	
			Bisphenols and Phthalates	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes of Problematic Chemicals	
			Some Solvents	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
			Children's Products	
RESTRICTED LIST	International Living Future Institute (ILFI)		Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2022	
			Red List substances to avoid in Living Building Challenge V4.0 projects	
SUBSTANCE NOTES:				

N-ALKANE(C10-21)SULFONIC ACID PHENYL ESTER

ID: 91082-17-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:35		
: 0.0000 - 10.0000 ALT		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Di-isodecyl phthalate (DIDP).		

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:35	
%: 0.0000 - 5.0000	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

1,2-BENZENEDICARBOXYLIC ACID, BIS(2-PROPYLHEPTYL) ESTER

ID: 53306-54-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:34	
%: 0.0000 - 5.0000	GreenScreen: BM-U	RC: None	NANO: No	SUBSTANCE ROLE: Intermediate
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List	
			Precautionary list of substances recommended for avoidance	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes of Problematic Chemicals	
			Bisphenols and Phthalates	
RESTRICTED LIST	International Living Future Institute (ILFI)		Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2022	
			Red List substances to avoid in Living Building Challenge V4.0 projects	
SUBSTANCE NOTES:				

SILYL TERMINATED POLYETHER (CROSSLINKED THERMOSET, >10,000 DA, <1% IS <500 DA)

ID: Not Registered

HAZARD DATA SOURCE: Toxnot Chemical Hazard Screening Library			HAZARD SCREENING DATE: 2023-04-26 9:46:16		
?: 0.0000 - 5.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: This substance utilizes the Polymer Special Condition.					

CARBONIC ACID, MAGNESIUM SALT (1:1)

ID: 546-93-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:35		
?: 0.0000 - 1.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:					

TIN, DIBUTYLBIS(2,4-PENTANEDIONATO-O,O')-, (OC-6-11)-

ID: 22673-19-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:36		
?: 0.0000 - 1.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Catalyst	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
DEV	MAK	Pregnancy Risk Group B
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
REP	EU - GHS (H-Statements) Annex 6 Table 3-1	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
REP	EU - SVHC List	Toxic to reproduction - Candidate list
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
SUBSTANCE NOTES:		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:36	
%: 0.0000 - 1.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Impurity
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety		
SUBSTANCE NOTES:				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:36	
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
SKI	GHS - New Zealand	Skin irritation category 2		
EYE	GHS - New Zealand	Eye irritation category 2		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:37	
%: 0.0000 - 1.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

1,2-ETHANEDIAMINE, N-[3-(TRIMETHOXYSILYL)PROPYL]-

ID: 1760-24-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-04-26 9:56:38	
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Vinyltrimethoxysilane.

VINYLTRIMETHOXYSILANE

ID: 2768-02-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-04-26 9:56:38

%: 0.0000 - 1.0000 GreenScreen: BM-1tp RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

1,2-ETHANEDIAMINE, N1,N2-BIS[3-(TRIMETHOXYSILYL)PROPYL]-

ID: 68845-16-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-04-26 9:56:39

%: 0.0000 - 0.1000 ALT GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Vinyltrimethoxysilane.

1,2-ETHANEDIAMINE, N1-[3-(TRIMETHOXYSILYL)PROPYL]-, HOM OPOLYMER

ID: 29226-47-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-04-26 9:56:37

%: 0.0000 - 0.1000 ALT GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Vinyltrimethoxysilane.		

METHANOL

ID: 67-56-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-04-26 9:56:38		
%: 0.0000 - 0.1000 ALT	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
DEV	CA EPA - Prop 65		Developmental toxicity	
DEV	US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Developmental Toxicity	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]	
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1		H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H370 - Causes damage to organs [Specific target organ toxicity - single exposure - Category 1]	
EYE	GHS - New Zealand		Eye irritation category 2	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]	
MAM	GHS - New Zealand		Specific target organ toxicity - repeated exposure category 1	
MAM	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]	
MAM	GHS - New Zealand		Acute inhalation toxicity category 3	
REP	GHS - New Zealand		Reproductive toxicity category 2	
EYE	GHS - Korea		H319 - Causes serious eye irritation [Serious eye damage/irritation - Category 2]	
PHY	GHS - Korea		H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]	

PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
MAM	GHS - Korea	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Malaysia	H300 - Fatal if swallowed [Acute toxicity (oral) - Category 1 or 2]
MAM	GHS - Malaysia	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
MAM	GHS - Malaysia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]
MAM	GHS - Australia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - New Zealand	Acute dermal toxicity category 3
MAM	GHS - New Zealand	Acute oral toxicity category 3
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - Korea	H370 - Causes damage to organs [Specific target organ toxicity - Single exposure - Category 1]
MAM	GHS - Malaysia	H370 - Causes damage to organs [Specific target organ toxicity - single exposure - Category 1]
MAM	GHS - Australia	H370 - Causes damage to organs [Specific target organ toxicity - single exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals Some Solvents
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPPI)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPPI)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: ALTERNATE: This substance is an alternate substance to Vinyltrimethoxysilane.

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: 2023-02-10	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: All	EXPIRY DATE: 2024-02-29	Services
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=65973		
CERTIFICATION AND COMPLIANCE NOTES:		
VOC CONTENT	SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Indoor Carpet, Carpet Pad Subfloor, VCT & Asphalt Tile, Dry Wall & Panel and Cove Base, as amended 1/7/05)	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2023-04-26	CERTIFIER OR LAB: N/A
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: VOC content certification is currently not available. Reported VOC content follows SCAQMD Rule 1168.		

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: Bostik, Inc.
ADDRESS: 11320 W. Watertown Plank Road
Wauwatosa, WI 53226
COUNTRY: United States

WEBSITE: <https://www.bostik.com/us>
CONTACT NAME: Jennifer Hermes
TITLE: Product Line Specialist, Consumer and Construction
PHONE: +1 (414) 477-0859
EMAIL: jennifer.hermes@bostik.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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

