

AFIRMA II™ Hardback Tile
by Bentley Mills, Inc.

SCREENING DATE: 2026-05-04
PUBLISHED DATE: 2026-08-17
EXPIRY DATE: 2029-05-04
PREPARER: Self-Prepared
VERIFIER: WAP Sustainability
VERIFICATION #: zPr-29050

Health Product
Declaration v3.0
created via: HPDC Online Builder



HPD UNIQUE IDENTIFIER: 65148710
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 09 68 13 Tile Carpeting
PRODUCT TYPE: Carpet Tiles
PRODUCT DESCRIPTION: AFIRMA™ II Hardback Tile, Bentley Premium nylon tufted face product. Non-woven primary stabilizer with up to 25% recycled content and enhanced dimensional stability. High performance pre-coat increases yarn bundle encapsulation and tuft lock providing clean edges. Thermoplastic adhesive contains up to 70% recycled content. Includes a 15-year warranty for problems associated with with edge ravel, delamination, and tuft bind. Bonding stabilizer adds dimensional stability and optimizes bond between tile backing and adhesive. Backing structure contains up to 44% recycled content. Certified Cradle to Cradle Silver, NSF 140 Gold minimum, CRI Green Label Plus, and third party verified Red List Free Declare Label. This HPD includes all Nylon 6 and Nylon 6,6 yarns.

Section 1: SummaryBasic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation
→ Basic Method	→ Completed
Threshold Disclosed Per	Explanation(s) provided :
→ Product	Yes
Threshold Level	
→ 100 ppm	

For all contents above the threshold, the manufacturer has:	
Characterized	Yes
Provided weight and role.	
Screened	Yes
Provided screening results using HPDC-approved methods.	
Identified	Yes
Provided name and CAS RN or other 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
AFIRMA II™ HARDBACK TILE [LIMESTONE (CALCIUM CARBONATE) BM-3dg NYLON-66 (NYLON 6,6) LT-UNK POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE) LT-UNK ETHENE, POLYMER WITH 1-PROPENE (ETHYLENE PROPYLENE POLYMER) LT-UNK ETHYLENEVINYLACETATE COPOLYMER (ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENE) LT-UNK SULFONATED POLYAMIDE (POLYMER) NoGS NAPHTHA (PETROLEUM), LIGHT STEAM-CRACKED AROM., PIPERYLENE CONC., POLYMD. LT-UNK ALUMINUM HYDROXIDE, DRIED (ALUMINUM HYDROXIDE) BM-2| SKI | EYE POLYACRYLIC ACID, SODIUM SALT (SODIUM POLYACRYLATE) LT-UNK | EYE | CAN | MAM CARBON BLACK BM-1 *| CAN | EYE | MAM | PHY TITANIUM DIOXIDE BM-1 *| CAN | END | MAM QUARTZ BM-1 *| CAN | MAM | GEN ALCOHOLS, C12-14-SECONDARY, BETA-(2-HYDROXYETHOXY-, ETHOXYLATED EO 10 MOLES (FETTALKOHOLE C12-C14, SEKUNDÆR, BETA-(2-HYDROXYETHOXY)-, ETHOXYLIERT, MITTLERE EO 10 MOL) LT-P1| MUL | EYE | AQU MAGNESIUM CARBONATE (CARBONIC ACID, MAGNESIUM SALT (1:1)) BM-3dg WATER BM-4 ETHYLENE/MA COPOLYMER (2,5-FURANDIONE, POLYMER WITH ETHENE) LT-UNK 2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE LT-UNK FIBERGLASS LT-UNK C12-14 PARETH-7 (ALCOHOLS, C12-14, ETHOXYLATED) BM-2| MUL | SKI | EYE | AQU HYDROCINNAMIC ACID, 3,5-DI-T-BUTYL-4-HYDROXY-, OCTADECYL ESTER (BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, OCTADECYL ESTER) BM-2| REP | AQU FERRIC OXIDE BM-1 *| CAN | MAM C.I. PIGMENT RED 149 (ANTHRA[2,1,9-DEF:6,5,10-D'E'F'] DIISOQUINOLINE-1,3,8,10(2H,9H)-TETRONE, 2,9-BIS(3,5-DIMETHYLPHENYL)-) LT-P1 BISMUTH VANADIUM TETRAOXIDE (BISMUTH VANADIUM OXIDE) BM-1| MUL PIGMENT BLUE 15 (C. I. PIGMENT BLUE 15) BM-3 POLYACRYLIC ACID, SODIUM SALT (2-PROPENOIC ACID, HOMOPOLYMER, SODIUM SALT) LT-UNK EYE | CAN | MAM (C10-C16) ALKYLALCOHOL SULFURIC ACID, SODIUM SALT (SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, SODIUM SALTS) BM-2| MUL 2-METHYLPENTANE (PENTANE, 2-METHYL-) LT-P1| SKI | PHY | AQU | EYE | MAM DIETHYLENE GLYCOL (DIETHYLENE GLYCOL) LT-P1| END | MAM | REP POLYOXYL 40 HYDROGENATED CASTOR OIL (CASTOR OIL, HYDROGENATED, ETHOXYLATED) LT-UNK 1,3-BENZENEDICARBOXAMIDE, N1,N3-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)- (N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)ISOPHTHALAMIDE) LT-P1| MUL | EYE CHROME RUTILE YELLOW (C.I. PIGMENT

Number of Greenscreen BM-4/BM3 contents ... 4
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Bentley Mills, Inc. has prepared this HPD and assessed to ingredient disclosure level of 100 ppm. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

BROWN 24) BM-1 ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENOL LT-UNK
POLYPROPYLENE LT-UNK AMMONIUM LAURYL SULFATE LT-UNK SKI | EYE
BENZENESULFONIC ACID, MONO-C11-13-BRANCHED ALKYL DERIVS., SODIUM SALTS LT-
UNK SKI | EYE SODIUM ACETATE (ACETIC ACID, SODIUM SALT) LT-UNK EYE FATTY
ACIDS, COCO, ESTERS WITH TRIMETHYLOLPROPANE NoGS CAPROLACTAM
(CAPROLACTAM) LT-UNK SKI | EYE | MAM | REP POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-
OXODODECYL)-OMEGA-METHOXY- (DODECANSIUREMETHYLESTER, ETHOXYLIERT, EO
6 BIS 15 MOL) LT-UNK PIGMENT VIOLET 23 LT-UNK EYE PHTHALOCYANINE GREEN (C.I.
PIGMENT GREEN 7) LT-UNK

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

COMPLIANCE See Section 3 for additional listings.
VOC emissions: CRI Green Label Plus - Carpets

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.
Pre-checked for LEED v5 Human Health 1.



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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

AFIRMA II™ HARDBACK TILE

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on Best Practice raw material guidance and information provided by our suppliers.	
OTHER PRODUCT NOTES: This HPD covers all available colors and styles on this backing composition; regardless of the dye method.	

LIMESTONE (CALCIUM CARBONATE)

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:47		
%: 30.0000 - 35.0000		GreenScreen: BM-3dg	RC: Both	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: Pre-consumer content derived from waste material during mining process by supplier. Post-consumer content derived from roads/highways and PC4 from reclaimed carpet.					

NYLON-66 (NYLON 6,6)

ID: 32131-17-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:48		
%: 10.0000 - 15.0000	GreenScreen: LT-UNK	RC: PreC	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: Green Circle Certified for recycled content. Pre-consumer recycled content derived from scrap/ waste material in the manufacturing process.				

NYLON 6 (WITH STAIN RESISTANCE) (NYLON 6)

ID: 25038-54-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: 2026-05-04 8:00:48	
: 10.0000 - 15.0000 ALT		GreenScreen: LT-UNK	RC: Both	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: 48.50% post-consumer and 48.50% pre-consumer content. Post-consumer waste is derived from old carpets, fishing nets, textile products. Pre-consumer recycled is derived from post-industrial waste and fabric scraps.

ALTERNATE: This substance is an alternate substance to Nylon-66 (Nylon 6,6).

POLYETHYLENE TEREPHTHALATE (PET)
(POLYETHYLENE TEREPHTHALATE)

ID: 25038-59-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:49			
%: 10.0000 - 15.0000			GreenScreen: LT-UNK	RC: PreC	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: 25% pre-consumer recycled content derived from production waste.						

ETHENE, POLYMER WITH 1-PROPENE (ETHYLENE
PROPYLENE POLYMER)

ID: 9010-79-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:50		
%: 5.0000 - 10.0000	GreenScreen: LT-UNK	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:					

ETHYLENEVINYLACETATE COPOLYMER (ACETIC ACID
ETHENYL ESTER, POLYMER WITH ETHENE)

ID: 24937-78-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:48		
%			SUBSTANCE ROLE: Polymer species		
5.0000 - 10.0000					
GreenScreen: LT-UNK			RC: PreC		
			NANO: No		
HAZARD TYPE			WARNINGS		
LIST NAME AND SOURCE					
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: Pre-consumer recycled content derived from waste material during the manufacturing process.		

SULFONATED POLYAMIDE (POLYMER)

ID: 222173-52-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:48		
%: 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:				

NAPHTHA (PETROLEUM), LIGHT STEAM-CRACKED AROM., PIPERYLENE CONC., POLYMD.

ID: 68478-07-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:50		
%: 0.0000 - 5.0000		GreenScreen: LT-UNK	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:					

ALUMINUM HYDROXIDE, DRIED (ALUMINUM HYDROXIDE)

ID: 21645-51-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:51	
%: 0.0000 - 5.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
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	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025	
			Children's Toy Products	

SUBSTANCE NOTES:

POLYACRYLIC ACID, SODIUM SALT (SODIUM POLYACRYLATE)

ID: 9003-04-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:52	
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
CAN	GHS - Japan		H351 - Suspected of causing cancer [Carcinogenicity - 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]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: 2026-05-04 8:00:49	
%: 0.0000 - 1.0000		GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
CAN		US CDC - Occupational Carcinogens		Occupational Carcinogen**	
CAN		MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**	
CAN		CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route**	
CAN		IARC		Group 2b - Possibly carcinogenic to humans**	
EYE		GHS - New Zealand		Eye irritation category 2**	
CAN		GHS - New Zealand		Carcinogenicity category 2**	
CAN		GHS - Japan		H351 - Suspected of causing cancer [Carcinogenicity - 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]**	
PHY		GHS - Japan		H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
None found		No listings found on Additional Hazard Lists			
SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special					

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:50

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

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	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor**
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**
CAN	IARC	Group 2b - Possibly carcinogenic to humans**
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - 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]**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026
		Cosmetics & Personal Care Products

SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:51

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

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: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

ALCOHOLS, C12-14-SECONDARY, BETA-(2-HYDROXYETHOXY-, ETHOXYLATED EO 10 MOLES (FETTALKOHOLE C12-C14, SEKUNDÆR, BETA-(2-HYDROXYETHOXY)-, ETHOXYLIERT, MITTLERE EO 10 MOL)

ID: 146340-15-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:52	
%: 0.0000 - 1.0000	GreenScreen: LT-P1	RC: None	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS	
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters	
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]	
AQU	GHS - Australia	H401 - Aquatic Acute 2 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
None found		No listings found on Additional Hazard Lists	

SUBSTANCE NOTES:

MAGNESIUM CARBONATE (CARBONIC ACID, MAGNESIUM SALT (1:1))

ID: 546-93-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:54	
%: 0.0000 - 1.0000	GreenScreen: BM-3dg	RC: None	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
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:50		
%: 0.0000 - 1.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Residual
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:				

ETHYLENE/MA COPOLYMER (2,5-FURANDIONE, POLYMER WITH ETHENE)

ID: 9006-26-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:52		
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	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:				

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

ID: 61467-52-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:54		
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	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:

FIBERGLASS

ID: 65997-17-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:56

%: 0.0000 - 1.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex V listing due to intrinsic safety

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CPII)

C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026

Cosmetics & Personal Care Products

SUBSTANCE NOTES:

C12-14 PARETH-7 (ALCOHOLS, C12-14, ETHOXYLATED)

ID: 68439-50-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:58

%: 0.0000 - 1.0000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Stabilizer

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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MUL

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKI

GHS - Australia

H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]

EYE

GHS - New Zealand

Serious eye damage category 1

AQU

GHS - New Zealand

Hazardous to the aquatic environment - acute category 1

EYE

GHS - Australia

H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HYDROCINNAMIC ACID, 3,5-DI-T-BUTYL-4-HYDROXY-, OCTADECYL ESTER (BENZENEPROPANOIC ACID, 3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-, OCTADECYL ESTER)

ID: 2082-79-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:51

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

FERRIC OXIDE

ID: 1309-37-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:52

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**
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 - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: **Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.		

C.I. PIGMENT RED 149 (ANTHRA[2,1,9-DEF:6,5,10-D'E'F'] DIISOQUINOLINE-1,3,8,10(2H,9H)-TETRONE, 2,9-BIS(3,5-DIMETHYLPHENYL)-)

ID: 4948-15-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:54

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:		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:56

%		0.0000 - 0.1000		GreenScreen:	BM-1	RC:	None	NANO:	No	SUBSTANCE ROLE:	Pigment
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS					
MUL		German FEA - Substances Hazardous to Waters				Class 3 - Severe Hazard to Waters					
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: 2026-05-04 8:00:58

%		0.0000 - 0.1000		GreenScreen:	BM-3	RC:	None	NANO:	No	SUBSTANCE ROLE:	Pigment
HAZARD TYPE		LIST NAME AND SOURCE				WARNINGS					
None found		No warnings found on HPD Priority Hazard Lists									
ADDITIONAL LISTINGS		LIST NAME AND SOURCE				NOTIFICATION					
POSITIVE LIST		US Environmental Protection Agency (US EPA)				US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)					
RESTRICTED LIST		Cradle to Cradle Products Innovation Institute (C2CPll)				C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products					
RESTRICTED LIST		Cradle to Cradle Products Innovation Institute (C2CPll)				C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Cosmetics & Personal Care Products					
SUBSTANCE NOTES:											

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:52

%: 0.0000 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
EYE	GHS - New Zealand	Eye irritation category 2		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - 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]		

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

SUBSTANCE NOTES:

(C10-C16) ALKYLALCOHOL SULFURIC ACID, SODIUM SALT (SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, SODIUM SALTS)

ID: 68585-47-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:54

%: 0.0000 - 0.1000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Lubricant

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

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

SUBSTANCE NOTES:

2-METHYLPENTANE (PENTANE, 2-METHYL-)

ID: 107-83-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:56

%: 0.0000 - 0.1000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 2
AQU	GHS - Australia	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - 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 - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
MAM	GHS - Australia	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Some Solvents
SUBSTANCE NOTES:		

DIETHYLENE GLYCOL (DIETHYLENE GLYCOL)		ID: 111-46-6
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:58
%: 0.0000 - 0.1000	GreenScreen: LT-P1	RC: None
		NANO: No
		SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
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	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Some Solvents
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026
		Cosmetics & Personal Care Products
SUBSTANCE NOTES:		

POLYOXYL 40 HYDROGENATED CASTOR OIL (CASTOR OIL, HYDROGENATED, ETHOXYLATED)		ID: 61788-85-0
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-05-04 8:00:58
%: 0.0000 - 0.1000	GreenScreen: LT-UNK	RC: None
		NANO: No
		SUBSTANCE ROLE: Lubricant
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:		

1,3-BENZENEDICARBOXAMIDE, N1,N3-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)- (N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)ISOPHTHALAMIDE)	ID: 42774-15-2
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%		0.0000 - 0.1000		GreenScreen:	LT-P1		RC:	None		NANO:	No		SUBSTANCE ROLE:	Stabilizer	
HAZARD TYPE				LIST NAME AND SOURCE						WARNINGS					
MUL				German FEA - Substances Hazardous to Waters						Class 2 - Hazard to Waters					
EYE				EU - GHS (H-Statements) Annex 6 Table 3-1						H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]					
EYE				GHS - Australia						H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]					
ADDITIONAL LISTINGS				LIST NAME AND SOURCE						NOTIFICATION					
None found												No listings found on Additional Hazard Lists			
SUBSTANCE NOTES:															

CHROME RUTILE YELLOW (C.I. PIGMENT BROWN 24)

ID: **68186-90-3**

%: 0.0000 - 0.1000		GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE			WARNINGS	
None found				No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE			NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)			C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)			C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Children's Toy Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)			C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Cosmetics & Personal Care Products	
SUBSTANCE NOTES:					

ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENOL

ID: **25213-24-5**

%: 0.0000 - 0.1000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
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:

POLYPROPYLENE

ID: 9003-07-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:58

%: 0.0000 - 0.1000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Carrier

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:

AMMONIUM LAURYL SULFATE

ID: 2235-54-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:59

%: 0.0000 - 0.1000 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
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

BENZENESULFONIC ACID, MONO-C11-13-BRANCHED ALKYL DERIVS., SODIUM SALTS

ID: 68608-89-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:54

%: 0.0000 - 0.1000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Stabilizer

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

SODIUM ACETATE (ACETIC ACID, SODIUM SALT)

ID: 127-09-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:56

%		0.0000 - 0.1000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Buffer
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:

FATTY ACIDS, COCO, ESTERS WITH TRIMETHYLOLPROPANE

ID: 73138-40-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:58

: 0.0000 - 0.1000		GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
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:

CAPROLACTAM (CAPROLACTAM)

ID: 105-60-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-05-04 8:00:59

%: 0.0000 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Monomer
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]		
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
SKI	GHS - New Zealand	Skin irritation category 2		
EYE	GHS - New Zealand	Eye irritation category 2		
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]		

MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXODODECYL)-OMEGA-METHOXY- (DODECANSŰUREMETHYLESTER, ETHOXYLIERT, EO 6 BIS 15 MOL)

ID: 9006-27-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-05-04 8:00:59		
%: 0.0000 - 0.1000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
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:					

PIGMENT VIOLET 23

ID: 6358-30-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: 2026-05-04 8:00:56	
%: 0.0000 - 0.1000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
EYE		GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST		Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025	
				Cosmetics and Personal Care Products	
RESTRICTED LIST		Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026	
				Cosmetics & Personal Care Products	
SUBSTANCE NOTES:					

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-05-04 8:00:58

%: 0.0000 - 0.1000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPll)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPll)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Cosmetics & Personal Care Products
SUBSTANCE NOTES:		

Section 3: 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

CRI Green Label Plus - Carpets

COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2013-05-24	EXPIRY DATE: 2026-09-30
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: CRI (Green Label Plus)		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Product		
APPLICABLE FACILITIES: 14641 Don Julian Rd City of Industry, CA 91746		
COMPLIANCE URL: https://carpet-rug.org/glp-carpets/2bf3d4c4-6199-e711-81ef-fc15b4287754/		
COMPLIANCE NOTES: GLP 1853: CN2 Nylon with Amorphous Resin Backing.		

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.

HEALTHBOND 2399

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD Available
ACCESSORY TYPE: Adhesive
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Bentley Mills, Inc. recommends using adhesive to aid in the proper installation of AFIRMA™ II Hardback Tile products and to ensure the product warranty.

Section 5: General Notes

Beauty. Service. Quality. Partnership. For over 45 years, these tenants have driven Bentley - California's only commercial carpet manufacturer operating under the nation's strictest environmental regulations. Our award-winning broadloom, carpet tile and area rug products exude high performance and have earned superior Texture Appearance Retention Ratings (TARR), Cradle to Cradle Certified™, Green Label Plus certification and NSF-140 certifications. Bentley manufactures in a LEED for Existing Buildings Gold Certified facility and is a multi-year recipient of the GSA Evergreen Award. This product is Living Building Challenge Red List Free for both COLORCAST™ and Solution dyed carpet products.



MANUFACTURER INFORMATION

MANUFACTURER: **Bentley Mills, Inc.**
ADDRESS: **14641 Don Julian Rd**
City of Industry, California 91746
COUNTRY: **United States**

WEBSITE: **<http://www.bentleymills.com>**
CONTACT NAME: **Jypsy Sigala**
TITLE: **Sustainability Certification Manager**
PHONE: **800-423-4709**
EMAIL: **sustainability@bentleymills.com**

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

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming

LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

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 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.