

HPD UNIQUE IDENTIFIER: 29173

CLASSIFICATION: 09 96 00 High-Performance Coatings

PRODUCT DESCRIPTION: A durable, safe waterbased furniture grade stain and satin topcoat in one. For interior wood surfaces. Available in 14 colors; custom hues available. The natural strength of whey protein, a byproduct of cheese making, is the patented linchpin ingredient in PolyWhey®. All-in-One Stain&Finish is easy to apply, and clean-up is a breeze.

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	Provided weight and role.
Threshold Disclosed Per	☐ Per GHS SDS	☒ Not Completed	Screened ☐ Yes ☒ No
☐ Material	☐ Other	Explanation(s) provided :	Provided screening results using HPDC-approved methods.
☒ Product		☒ Yes ☐ No	Identified ☐ Yes ☒ No
			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

POLYWHEY ALL-IN-ONE STAIN&FINISH | WATER BM-4

DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB) LT-UNK | EYE |

MAM | MUL POLYETHYLENE WAX Not Screened SILICA GEL LT-UNK |

| EYE | MAM WHEY PROTEIN NoGS CO-POLYMER Not Screened

POLYETHER MODIFIED SILOXANE Not Screened DIPROPYLENE

GLYCOL MONOMETHYL ETHER LT-UNK | MUL | DEV | PHY | EYE |

MAM | NEU RAPESEED OIL LT-P1 | AQU C12-15 PARETH-11 LT-P1 |

MUL | SKI | MAM | AQU | EYE POLYETHYLENE LT-UNK || CAN

POLYETHER Not Screened ZINC OXIDE BM-1 | END | RES | MUL | AQU

|| CAN | MAM | REP 1,2-BENZISOTHIAZOLINE-3-ONE LT-P1 | SKI |

MUL | AQU | EYE | MAM PYRITHIONE ZINC BM-1tp | MUL | REP | MAM

| AQU | EYE | DEV || CAN | SKI ENZYMATICALLY MODIFIED STARCH

Not Screened 1

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All information provided herein is consistent with ingredient supplier data.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <30 Regulatory (g/l): <30

Does the product contain exempt VOCs: No

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

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: SCAQMD Rule 1113 Architectural Coatings - Clear Wood Finishes including Varnish & Sanding Sealer, Lacquers, Mastic Coatings, Recycled Coatings - 2007 amendments

VOC content: CARB 2007, Suggested Control Measure (SCM) for Architectural Coatings

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-07-13
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-07-14
☒ No	VERIFICATION #:	EXPIRY DATE: 2025-07-13

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

POLYWHEY ALL-IN-ONE STAIN&FINISH

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: Product contains no know impurities or residuals.

OTHER PRODUCT NOTES: Contact Vermont Natural Coatings with any questions.

WATER ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:19		
%: 54.7100 - 55.5800	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
EXEMPT	European Union / European Commission (EU EC)		EU - REACH Exemptions	
POSITIVE LIST	US Environmental Protection Agency (US EPA)		US EPA - DfE SCIL	
SUBSTANCE NOTES: Water.				

DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB) ID: 29911-28-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:19		
%: 1.7000 - 1.7500	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
MAM	GHS - New Zealand		Acute oral toxicity category 4	
MUL	German FEA - Substances Hazardous to Waters		Class 1 - Low Hazard to Waters	
MAM	GHS - Japan		H373 - May cause damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 2]	

ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
RESTRICTED LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL
SUBSTANCE NOTES: DPnB		

POLYETHYLENE WAX

ID: **Not Registered**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.7000 - 0.7000	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Matting agent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Matting agent. Further substance information not provided by ingredient supplier.				

SILICA GEL

ID: **112926-00-8**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:19		
%: 0.6440 - 0.6650	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Abrasion resistance
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	EC - CEPA DSL		Persistent	
EYE	GHS - Japan		H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2B]	
MAM	GHS - Japan		H335 or H336 [Specific target organs/systemic toxicity following single exposure - Category 3]	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

WHEY PROTEIN

ID: **92129-90-3**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:20		
%: 0.6400 - 0.6500	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Whey protein powder.		

CO-POLYMER

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.3120 - 0.3120	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Co-polymer. Information not provided by ingredient supplier.				

POLYETHER MODIFIED SILOXANE

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.2132 - 0.2173	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Leveling agent. Further substance information not provided by ingredient supplier.				

DIPROPYLENE GLYCOL MONOMETHYL ETHER

ID: 34590-94-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:20		
%: 0.1927 - 0.1968	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	EC - CEPA DSL	Inherently Toxic to Humans (iTH)
MUL	German FEA - Substances Hazardous to Waters	Class 1 - Low Hazard to Waters
DEV	MAK	Pregnancy Risk Group D
PHY	Québec CSST - WHMIS 1988	Class B3 - Combustible liquids
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2B]
MAM	GHS - Japan	H335 or H336 [Specific target organs/systemic toxicity following single exposure - Category 3]
NEU	Boyes - Neurotoxicants	Neurotoxic
PHY	GHS - Japan	H227 - Combustible liquid [Flammable liquids - Category 4]
PHY	GHS - New Zealand	Flammable liquids category 4
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL
SUBSTANCE NOTES:		

RAPESEED OIL

ID: 8002-13-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:21		
%: 0.1500 - 0.1500	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 2	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

C12-15 PARETH-11

ID: 68131-39-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:21		
%: 0.1200 - 0.1400	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	GHS - New Zealand	Skin irritation category 2
MAM	GHS - Australia	H302 - Harmful if swallowed [Acute toxicity (oral) - Category 4]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - New Zealand	Acute oral toxicity category 4
MUL	EC - CEPA DSL	Inherently Toxic to Humans (iTH)
MUL	Québec CSST - WHMIS 1988	Class D2B - Toxic material causing other toxic effects
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
MUL	EC - CEPA DSL	Inherently Toxic in the Environment (iTE)
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL
SUBSTANCE NOTES:		

POLYETHYLENE

ID: 9002-88-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:22		
%: 0.0350 - 0.0700	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	EC - CEPA DSL		Persistent	
CAN	IARC		Group 3 - Agent is not classifiable as to its carcinogenicity to humans	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:				

POLYETHER

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: Not Screened
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%: 0.0205 - 0.0410

GreenScreen: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Surface modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
	Additional Hazard Screening not performed	

SUBSTANCE NOTES: Leveling agent. Further substance information not provided by ingredient supplier.

ZINC OXIDE

ID: 1314-13-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-07-13 11:34:22

%: 0.0300 - 0.0400

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Surface modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
	EC - CEPA DSL	Persistent
CAN	US EPA - IRIS Carcinogens	(1986) Group D - Not classifiable as to human carcinogenicity
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
MUL	EC - CEPA DSL	Inherently Toxic in the Environment (iTE)
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
AQU	GHS - Malaysia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Malaysia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021
SUBSTANCE NOTES: Zinc Oxide.		

%: **0.0100 - 0.0200**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
SKI	GHS - New Zealand	Skin irritation category 2
MAM	GHS - Australia	H302 - Harmful if swallowed [Acute toxicity (oral) - Category 4]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - New Zealand	Acute oral toxicity category 4
MUL	Québec CSST - WHMIS 1988	Class D2B - Toxic material causing other toxic effects
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H302 - Harmful if swallowed [Acute toxicity (oral) - Category 4]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Australia	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
SKI	GHS - Japan	H317 - May cause an allergic skin reaction [Skin Sensitization - Category 1A]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
MUL	EC - CEPA DSL	Inherently Toxic in the Environment (iTE)
MAM	GHS - Japan	H302 - Harmful if swallowed [Acute Toxicity (oral) - Category 4]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
AQU	GHS - Australia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List
RESTRICTED LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals
SUBSTANCE NOTES: Preservative.		

PYRITHIONE ZINC

ID: 13463-41-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-13 11:34:23		
%: 0.0100 - 0.0200	GreenScreen: BM-1tp	RC: None	NANO: No	SUBSTANCE ROLE: Antimicrobial Pesticide
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
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	
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]	
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1		H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]	
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1		H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]	
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1		H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]	
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1		H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]	
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1		H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]	
	EC - CEPA DSL		Persistent	

MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
CAN	US EPA - IRIS Carcinogens	(1986) Group D - Not classifiable as to human carcinogenicity
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [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]
SKI	GHS - Japan	H317 - May cause an allergic skin reaction [Skin sensitizer - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MUL	EC - CEPA DSL	Inherently Toxic in the Environment (iTE)
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	GHS - Australia	H335 - May cause respiratory irritation [Specific target organ toxicity - single exposure; Respiratory tract irritation - Category 3]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	GHS - Japan	H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]
MAM	GHS - Japan	H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]

ADDITIONAL LISTINGS	AGENCY AND LIST TITLES	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2021
SUBSTANCE NOTES:		

ENZYMATICALLY MODIFIED STARCH

ID: **Not Registered**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%, 0.0152 - 0.0190	GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
	Hazard Screening not performed			
ADDITIONAL LISTINGS	AGENCY AND LIST TITLES		NOTIFICATION	
	Additional Hazard Screening not performed			
SUBSTANCE NOTES: Further substance information not provided by ingredient supplier.				

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		SCAQMD Rule 1113 Architectural Coatings - Clear Wood Finishes including Varnish & Sanding Sealer, Lacquers, Mastic Coatings, Recycled Coatings - 2007 amendments
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2022-01-01	CERTIFIER OR LAB: Based on formulation
APPLICABLE FACILITIES: Manufactured Hardwick, VT.	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES:		
VOC CONTENT		CARB 2007, Suggested Control Measure (SCM) for Architectural Coatings
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-08-01	CERTIFIER OR LAB: self-certified
APPLICABLE FACILITIES: All VNC facilities	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES:		

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.

POLYWHEY ALL-IN-ONE STAIN&FINISH	
MANUFACTURER (OR GENERIC): Vermont Natural Coatings	
HPD URL: https://vermontnaturalcoatings.com/product/all-in-one-stain-finish/	
ACCESSORY TYPE: Maintenance Product	
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: 16 curated colors available, can be custom tinted as well.	

Section 5: General Notes

Contact Vermont Natural Coatings directly for more information.

MANUFACTURER INFORMATION

MANUFACTURER: Vermont Natural Coatings
ADDRESS: Vermont Natural Coatings
 190 Junction Rd.
 Hardwick VT 05843, USA
WEBSITE: <https://vermontnaturalcoatings.com/product/heirloom-fine-finish/>

CONTACT NAME: Mary Watkevich
TITLE: Customer Service
PHONE: 802-472-8700
EMAIL: info@vermontnaturalcoatings.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 HPD and for compliance with the HPD standard noted.