

HPD UNIQUE IDENTIFIER: 29105

CLASSIFICATION: 09 96 00 High-Performance Coatings

PRODUCT DESCRIPTION: A durable, safe waterbased finish with the look and feel of a hand rubbed finish. The natural strength of whey protein, a byproduct of cheese making, is the patented linchpin ingredient in PolyWhey®. Heirloom Fine Finish, satin is easy to use and available tinted as PolyWhey All-in-One Stain&Finish.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format ☐ Nested Materials Method ☒ Basic Method	Threshold Level ☒ 100 ppm ☐ 1,000 ppm ☐ Per GHS SDS ☐ Other	Residuals/Impurities ☐ Considered ☐ Partially Considered ☒ Not Considered Explanation(s) provided for Residuals/Impurities? ☒ Yes ☐ No	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☐ Yes ☒ No <i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i> Identified ☐ Yes Ex/SC ☐ Yes ☒ No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>
Threshold Disclosed Per ☐ Material ☒ Product			

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

POLYWHEY HEIRLOOM FINE FINISH | WATER BM-4 DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB) LT-UNK POLYETHYLENE WAX Not Screened SILICA GEL LT-UNK WHEY PROTEIN NoGS CO-POLYMER Not Screened POLYETHER MODIFIED SILOXANE Not Screened DIPROPYLENE GLYCOL MONOMETHYL ETHER LT-UNK RAPESEED OIL LT-P1 C12-15 PARETH-11 LT-P1 | MUL POLYETHYLENE LT-UNK ZINC OXIDE BM-1 | END | RES | MUL | AQU POLYETHER Not Screened ENZYMATICALLY MODIFIED STARCH Not Screened 1,2-BENZISOTHAZOLINE-3-ONE LT-P1 | SKI | MUL | AQU | EYE PYRITHIONE ZINC BM-1tp | MUL | REP | MAM | AQU | EYE | DEV]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... 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 ultra-low VOC tints available: 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? ☐ Yes ☒ No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-01-25 PUBLISHED DATE: 2022-07-07 EXPIRY DATE: 2025-01-25
---	---	---

PolyWhey Heirloom Fine Finish
hpcrepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 1 of 8

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

POLYWHEY HEIRLOOM FINE FINISH

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: 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 SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-07 11:02:03

%: 54.7100 - 55.5800 GS: 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

SUBSTANCE NOTES: Water.

DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB)

ID: 29911-28-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-07 11:04:40

%: 1.7000 - 1.7500 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Surfactant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: DPnB

POLYETHYLENE WAX

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: Not Screened

%: 0.7000 - 0.7000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Matting agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

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

SILICA GEL

ID: 112926-00-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-07-07 11:49:36

%: 0.6440 - 0.6650 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Abrasion resistance

HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				
WHEY PROTEIN				ID: 92129-90-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:05:41		
%: 0.6400 - 0.6500	GS: 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			
SUBSTANCE NOTES: Whey protein powder.				
CO-POLYMER				ID: Not Registered
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.3120 - 0.3120	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	Hazard Screening not performed			
SUBSTANCE NOTES: Co-polymer. Information not provided by ingredient supplier.				
POLYETHER MODIFIED SILOXANE				ID: Not Registered
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.2132 - 0.2173	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	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 SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:52:11		
%: 0.1927 - 0.1968	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				
RAPESEED OIL				ID: 8002-13-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:45:27		

%: 0.1500 - 0.1500		GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

C12-15 PARETH-11

ID: 68131-39-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:48:21		
%: 0.1200 - 0.1400	GS: 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	
SUBSTANCE NOTES:				

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:50:48		
%: 0.0350 - 0.0700	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

ZINC OXIDE

ID: 1314-13-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:20:33			
%: 0.0300 - 0.0400		GS: 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]		
SUBSTANCE NOTES: Zinc Oxide.					

POLYETHER

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
---	--	--	--	--

%: 0.0205 - 0.0410	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
SUBSTANCE NOTES: Leveling agent. Further substance information not provided by ingredient supplier.				

ENZYMATICALLY MODIFIED STARCH				ID: Not Registered
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.0152 - 0.0190	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
SUBSTANCE NOTES: Further substance information not provided by ingredient supplier.				

1,2-BENZISOTHIAZOLINE-3-ONE				ID: 2634-33-5	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:21:45			
%: 0.0100 - 0.0200		GS: 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]		
SUBSTANCE NOTES: Preservative.					

PYRITHIONE ZINC				ID: 13463-41-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-07-07 11:37:51		
%: 0.0100 - 0.0200	GS: 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]
SUBSTANCE NOTES:		

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS		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-	EXPIRY DATE:	CERTIFIER OR LAB: Based on
APPLICABLE FACILITIES: Manufactured Hardwick, VT.		01		formulation
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-	EXPIRY DATE:	CERTIFIER OR LAB: self-certified
APPLICABLE FACILITIES: All VNC facilities		01		
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.

No accessories are required for this product.

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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
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)	NoGS No GreenScreen.

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.