

Clean Vinyl Technology® (CVT) Wallcovering with Bio-Based Content and Woven Backing by Len-Tex Corporation



Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1552674816

CLASSIFICATION: 09 72 16.13 Flexible Vinyl Wall Coverings

PRODUCT DESCRIPTION: Len-Tex Clean Vinyl Technology® (CVT) Wallcovering with Bio-Based Content and Woven Backing with various designs, including weight (15 oz, 20 oz, 24 oz, 28 oz, 32 oz) and style (Metallized PET Film, Prints, Colors) options.

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:
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

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

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

CLEAN VINYL TECHNOLOGY® (CVT) WALLCOVERING WITH BIO-BASED CONTENT AND WOVEN BACKING [POLYVINYL CHLORIDE LT-P1 | MAM EPOXIDIZED SOYBEAN OIL LT-P1 | AQU LIMESTONE, CALCIUM CARBONATE BM-3dg | POLYETHYLENE TEREPHTHALATE (PET) LT-P1 | ALUMINA TRIHYDRATE (PRIMARY CASRN IS 21645-51-2) BM-2 | SKI | EYE ACETYLTRIBUTYL CITRATE BM-3 | MUL | AQU POLYVINYL CHLORIDE LT-P1 | MAM TITANIUM DIOXIDE BM-1 * | CAN | END | MAM CALCIUM ZINC COMPLEX COTTON UNDISCLOSED BM-4 | 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYLBENZENE LT-UNK | BUTYL ACRYLATE-METHYL METHACRYLATE COPOLYMER LT-UNK | ETHENE, HOMOPOLYMER, OXIDIZED LT-UNK | THIABENDAZOLE LT-P1 | MUL | REP | AQU | MAM PYRITHIONE ZINC BM-1 | REP | MUL | MAM | AQU | EYE | DEV | SKI]

Number of Greenscreen BM-4/BM3 contents ... 3

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Antimicrobial Pesticides Reporting: This product contains substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials. See Substance Notes and General Notes for more information.

Information is not available as to whether the product contains substance(s) that are intentionally added below the selected threshold to act as antimicrobials.

Special Conditions applied: [GeologicalMaterial]

Special Conditions applied: [BiologicalMaterial]

Cotton and Calcium Zinc Complex do not have a registered CAS# and as such cannot be Registered in the ID field as stated in the HPD Open Standard. All material components, including all substances screened using Priority Hazard Lists with results, are fully disclosed in this HPD.

*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.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario

VOC emissions: CHPS High Performance Products Database - Low

Emitting Material

LCA: Environmental Product Declaration (EPD) by SCS

Multi-attribute: GreenCircle - Recycled Content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-02-04

PUBLISHED DATE: 2025-02-18

EXPIRY DATE: 2028-02-04

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

CLEAN VINYL TECHNOLOGY® (CVT) WALLCOVERING WITH BIO-BASED CONTENT AND WOVEN BACKING

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION
COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: A Residuals and Impurities evaluation has been completed in alignment with the HPD best practices. Clean Vinyl Technology® (CVT) Wallcovering with Bio-Based Content and Woven Backing does not have evidence for the presence of R/I based on direct testing, supplier SDS, and/or other supplier documentation. There are not any additional/alternate substances used in the Product/Material at or above the declared Inventory Threshold. This product cannot be considered a "Common Product", as listed in Pharos. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER PRODUCT NOTES:

POLYVINYL CHLORIDE

ID: 9002-86-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-02-13 16:13:37

%: 31.9200 - 31.9200 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
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
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 Red List substances to avoid in Living Building Challenge V4.0 projects
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern

SUBSTANCE NOTES:

EPOXIDIZED SOYBEAN OIL

ID: **8013-07-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 16:39:23**

#: **16.3400 - 16.3400** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

AQU GHS - New Zealand 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:

LIMESTONE, CALCIUM CARBONATE

ID: **1317-65-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 16:27:22**

#: **11.4000 - 11.4000** GreenScreen: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

POLYETHYLENE TEREPHTHALATE (PET)

ID: **25038-59-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 17:04:34**

#: **11.2000 - 11.2000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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: **2025-02-13 13:40:45**%: **7.6000 - 7.6000** 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 (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES:

ACETYLTRIBUTYL CITRATEID: **77-90-7**HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-02-13 17:00:47**%: **5.7000 - 5.7000** GreenScreen: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: This material is certified 30% bio-based by the USDA BioPreferred program.

POLYVINYL CHLORIDEID: **9002-86-2**HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-02-13 16:46:17**

#: 3.8000 - 3.8000

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
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
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 Red List substances to avoid in Living Building Challenge V4.0 projects
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-02-13 16:44:36**

#: 3.0400 - 3.0400

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Structure component**

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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
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 (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and 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.

CALCIUM ZINC COMPLEX

ID: **Geological Material**

HAZARD DATA SOURCE: [HPDC Special Conditions Policy](#)

%: 3.0400 - 3.0400

GreenScreen: Not Required

RC: None

NANO: No

MATERIAL ROLE: Stabilizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening is not applicable to this Special Condition		
INGREDIENT DESCRIPTION AND COMPOSITION: Proprietary blend of Calcium and Zinc to act as a PVC film stabilizer.		
COUNTRY OF ORIGIN: United States		
RADIOACTIVE ELEMENTS: According to supplier provided information and/or internal testing, it is determined that no radioactive elements are found in this material.		
POTENTIAL PRESENCE OF TOXIC METALS: According to supplier provided information and/or internal testing, it is determined that no toxic metals are found in this material.		
MATERIAL CONTENT NOTES: Calcium Zinc Complex does not have a registered CAS# and as such cannot be Registered in the ID field as stated in the HPD Open Standard. All material components, including all substances screened using Priority Hazard Lists with results, are fully disclosed in this HPD.		

COTTON

ID: **Biological Material**

HAZARD DATA SOURCE: [HPDC Special Conditions Policy](#)

%: 2.8000 - 2.8000

GreenScreen: Not Required

RC: None

NANO: No

MATERIAL ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening is not applicable to this Special Condition		
BIOLOGICAL MATERIALS CATEGORY: Plant-based materials		
INGREDIENT DESCRIPTION: Cotton Fiber/Natural Polymer of Cellulose		
MATERIAL CONTENT NOTES: Cotton does not have a registered CAS# and as such cannot be Registered in the ID field as stated in the HPD Open Standard. All material components, including all substances screened using Priority Hazard Lists with results, are fully disclosed in this HPD.		
This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.		

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: [Pharos Chemical and Materials Library](#)

HAZARD SCREENING DATE: 2025-02-13 16:36:25

%: 0.7980 - 0.7980

GreenScreen: **BM-4**

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

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: Inert, non-hazardous material included in the Antimicrobial additive.

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND ETHENYLBENZENE

ID: 27136-15-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 16:17:49**

%: **0.7600 - 0.7600** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

BUTYL ACRYLATE-METHYL METHACRYLATE COPOLYMER

ID: 25852-37-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 13:29:13**

%: **0.3800 - 0.3800** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

ETHENE, HOMOPOLYMER, OXIDIZED

ID: 68441-17-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 13:31:28**

%: **0.3800 - 0.3800** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

THIABENDAZOLE

ID: 148-79-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-02-13 16:31:12**

%: **0.1710 - 0.1710** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
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	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

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

SUBSTANCE NOTES: The Antimicrobial additive has passed the most stringent testing procedures for safety and efficacy to meet international regulatory guidelines. There are options that are US EPA registered, BPR compliant and Oeko-Tex listed. The supplier is a proud member of CertiPUR-US, EUROPUR, VinylPlus, The British Allergy Foundation, Polyurethane Foam Association, and the Plastics Industry Association while also working with testing organizations such as the ASTM and the AATCC. Clean Vinyl Technology® has undergone ASTM G21 and ISO 22196 testing. EPA Registration Number: 92760-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2025-02-13 16:32:07**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
%: 0.1710 - 0.1710	GreenScreen: BM-1	RC: None NANO: No SUBSTANCE ROLE: Antimicrobial Pesticide
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
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]
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 - 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]
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - 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]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

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 - 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]
REP ADDITIONAL LISTINGS	EU - REACH Annex XVII CMRs LIST NAME AND SOURCE	Reproductive toxicants: Category 1B NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products

SUBSTANCE NOTES: The Antimicrobial additive has passed the most stringent testing procedures for safety and efficacy to meet international regulatory guidelines. There are options that are US EPA registered, BPR compliant and Oeko-Tex listed. The supplier is a proud member of CertiPUR-US, EUROPUR, VinylPlus, The British Allergy Foundation, Polyurethane Foam Association, and the Plastics Industry Association while also working with testing organizations such as the ASTM and the AATCC.

Clean Vinyl Technology® has undergone ASTM G21 and ISO 22196 testing.

EPA Registration Number: 92760-9

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	SCS Indoor Advantage Gold - Classroom & Office scenario	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to all Clean Vinyl Technology® with bio-based content material manufactured by Len-Tex Corporation facilities (including products with Metallized PET).</p> <p>CERTIFICATE URL: https://lentexwallcoverings.com/wp-content/uploads/2024/09/LenTex_2024_SCS-IAQ-02056_s.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: Measured Concentration of Total Volatile Organic Compounds (TVOC): Between 0.5 – 5.0 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017).</p>	<p>ISSUE DATE: 2024-10-01 00:00:00</p> <p>EXPIRY DATE: 2025-09-30 00:00:00</p>	<p>CERTIFIER OR LAB: Berkeley Analytical, SCS Global Services</p>
VOC EMISSIONS	CHPS High Performance Products Database - Low Emitting Material	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to all Clean Vinyl Technology® with bio-based content material manufactured by Len-Tex Corporation facilities (including products with Metallized PET).</p> <p>CERTIFICATE URL: https://lentexwallcoverings.com/wp-content/uploads/2023/04/Lentex_CHPS-Certificate_2020_.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: Reference Standards: 1. CHPS Core Criteria v3, EQ P6.0, EQ C6.1, EQ C7.1, and MW C5.1 - https://chps.net/criteria 2. CDPH/EHLB/Standard Method V1.2 (January 2017)</p>	<p>ISSUE DATE: 2020-10-30 00:00:00</p> <p>EXPIRY DATE:</p>	<p>CERTIFIER OR LAB: Berkeley Analytical, Collaborative for High Performance Schools</p>
LCA	Environmental Product Declaration (EPD) by SCS	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable only to Clean Vinyl Technology® wallcoverings with bio-based content and woven backing manufactured by Len-Tex Corporation facilities (excludes products with Metallized PET).</p> <p>CERTIFICATE URL: https://lentexwallcoverings.com/wp-content/uploads/2025/02/SCS-EPD-10017_Len-Tex_WovenVinylWallcovering.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: This EPD conforms to ISO 14025, 14040, 14044, ISO 21930, Building-Related Products and Services - Part A: LCA Calculation Rules and Report Requirements UL v3.2, and PCR Guidance for Building-Related Products and Services, Part B: Wall and Door Protection EPD Requirements UL 10010-10.</p>	<p>ISSUE DATE: 2024-03-18 00:00:00</p> <p>EXPIRY DATE: 2029-03-17 00:00:00</p>	<p>CERTIFIER OR LAB: SCS Global Services</p>
MULTI-ATTRIBUTE	GreenCircle - Recycled Content	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable only to Clean Vinyl Technology® wallcoverings with bio-based content and woven backing manufactured by Len-Tex Corporation facilities (excludes products with Metallized PET).</p> <p>CERTIFICATE URL: https://lentexwallcoverings.com/wp-content/uploads/2024/07/CEF-Label-Woven-Backing-Final.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: The first and only GreenCircle Certified wallcovering, achieving Certified Environmental Facts® label for all Clean Vinyl Technology® types. Recycled Content 1% Post-Consumer.</p>	<p>ISSUE DATE: 2023-08-01 00:00:00</p> <p>EXPIRY DATE: 2026-07-31 00:00:00</p>	<p>CERTIFIER OR LAB: GreenCircle Certified®</p>
BIOBASED CONTENT	GreenCircle - Rapidly Renewable Resource Content	

CERTIFYING PARTY: Third Party

ISSUE DATE: 2023-08-01 00:00:00

CERTIFIER OR LAB: GreenCircle

APPLICABLE FACILITIES: Applicable only to Clean Vinyl

EXPIRY DATE: 2026-07-31 00:00:00

Certified®

Technology® wallcoverings with bio-based content and woven backing manufactured by Len-Tex Corporation facilities (excludes products with Metallized PET).

CERTIFICATE URL: <https://lentexwallcoverings.com/wp-content/uploads/2024/07/CEF-Label-Woven-Backing-Final.pdf>

CERTIFICATION AND COMPLIANCE NOTES: The first and only GreenCircle Certified wallcovering, achieving Certified Environmental Facts® label for all Clean Vinyl Technology® types. Bio-based content 25% based on ASTM D6866 methodology.

+ 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.

ROMAN DECORATING ADHESIVES

MANUFACTURER (OR GENERIC): **ROMAN Products**

HPD URL: No HPD Available

ACCESSORY TYPE: Adhesive

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Recommended adhesives used for installations of the wallcovering product; Roman Decorating Adhesives do not contain any VOC content: <https://romandecoratingproducts.com/eco-options/>

E Section 5: General Notes

Throughout the history of Len-Tex, the focus has been on eliminating ingredients of the greatest human health concern and expanding the sustainability program. You can learn more here through the Sustainability Field Guide:

<https://indd.adobe.com/view/54c32171-2b45-4ec5-90f1-031b4f6ab4ee>

Len-Tex is the only GreenCircle Certified® wallcovering on the market, has HPDs, SmartWay Transport Partners, third-party verified EPDs, SCS Indoor Advantage Gold, and is a CHPS Approved Product. Len-Tex has passed the CDPH standard (Section 01350) for VOCs, and is CA Prop 65 Compliant with no labelling necessary. Len-Tex is also a signatory on the mindful MATERIALS Manufacturer Materials Commitment. Here is a link to the commitment:

<https://www.mindfulmaterials.com/manufacturer-materials-commitment>

Clean Vinyl Technology® also includes an antimicrobial. Vinyl films (and wallcoverings) are an effective moisture barrier, trapping moisture from leakage or condensation in the wall cavity and creating an environment for mold and mildew growth. The mold and mildew typically grew behind the wallcovering potentially creating very unhealthy interiors. Arsenate-based biocides are very effective when compounded into the vinyl film, but are arsenic – a poison and a recognized carcinogen. To eliminate this potential contamination, Clean Vinyl Technology® films use a safe antimicrobial/antifungal. In wallcovering testing, it helps prevent 99.99% of bacteria as tested under ISO 22196 and 100% of fungal growth as tested under ASTM G21. This effective treatment lasts for the life of the wallcovering.

Len-Tex Clean Vinyl Technology® with bio-based content and woven backing tests via ASTM D6866 up to 25% bio-based because of our commitment to further product sustainability. The replacement of Barium, Antimony, and Ortho-Phthalates among others is something Len-Tex is proud of achieving. Furthermore, third-party laboratory testing shows pass ratings on the wallcovering for heavy metals, ortho-phthalates, formaldehyde, antimony, arsenic, among others. Len-Tex wallcoverings also have various fire test, mold, bacteria, and mildew test ratings among others. Clean Vinyl Technology® can be found on Ecomedes, mindful MATERIALS, Sustainable Minds, GreenCircle Brands You Can Trust, and the SCS Green Products Guide.

PVC is also highly recyclable. Len-Tex has a takeback program displaying commitment to Extended Producer Responsibility, along with recycling all vinyl wallcovering scrap during manufacturing. The money from that program goes back to the manufacturing employees. Through this continued work, Len-Tex is proud to offer a long lasting, durable product that is as beautiful as it is sustainable.

MANUFACTURER INFORMATION

MANUFACTURER: **Len-Tex Corporation**
 ADDRESS: **18 Len Tex Lane**
North Walpole, New Hampshire 03609
 COUNTRY: **United States**

WEBSITE: **https://lentexwallcoverings.com/**
 CONTACT NAME: **Mackenzie Roof**
 TITLE: **Sustainability Coordinator**
 PHONE: **6034457501**
 EMAIL: **mackenzier@lentexcorp.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

