

LAMINATED GLASS

by NOVATECH ARCHITECTURAL INC.

HPD UNIQUE IDENTIFIER: 80779143

HPD UNIQUE PRODUCT ID: Not provided.

CLASSIFICATION: 08 81 00 Glass Glazing

PRODUCT TYPE: Laminated Glass

PRODUCT DESCRIPTION: Laminated glass by Novatech Architectural Inc., a branch of Novatech Group, is a safety glass that will hold together when shattered. It is made of two pieces of glass with an interlayer in between. In architecture, it is used for fenestration in height and in applications where glass is used as railing. It can also have acoustic properties. This HPD covers all possible variations of laminated glass, including mirrors manufactured by Novatech Architectural Inc.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	
→ Nested Materials Method	Completed in 8 of 8 Materials	For all contents above the threshold, the manufacturer has:
Threshold Disclosed Per	Explanation(s) provided for Residuals/Impurities?	Characterized Yes
→ Product	Yes	Provided weight and role.
Threshold Level		Screened Yes
→ 1,000 ppm		Provided screening results using HPDC-approved methods.
		Identified 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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

GLASS [SODA-LIME SILICATE GLASS NoGS] LAMINATED FILM #1 [ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL LT-UNK]
HEXANOIC ACID, 2-ETHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER LT-UNK
CALCIUM CARBONATE BM-3 | EYE TITANIUM DIOXIDE LT-1 | CAN] MIRROR SINGLE COAT [UNDISCLOSED BM-2] CAN | MAM UNDISCLOSED BM-3 | MAM | EYE | PHY UNDISCLOSED BM-3 | EYE UNDISCLOSED BM-1 | CAN | MAM UNDISCLOSED BM-2 | SKI | EYE | MAM
POLYMER #2 N/A UNDISCLOSED LT-1 | END | CAN | MUL | GEN | SKI | EYE | MAM
UNDISCLOSED BM-1 | MUL | CAN | DEV | PBT | REP | GEN | AQU UNDISCLOSED NoGS
UNDISCLOSED BM-1 | CAN | END | MAM POLYMER #1 N/A] COATING #1 [SILANOL TERMINATED POLYDIMETHYLSILOXANE BM-2 | EYE AMORPHOUS SILICA BM-1 | CAN | MAM
CARBON BLACK BM-1 | CAN | EYE | MAM | PHY TITANIUM DIOXIDE BM-1 | CAN | END | MAM
CINQUASIA RED LT-UNK FERRIC OXIDE BM-1 | CAN | MAM]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions applied: [Polymers]

This Health Product Declaration (HPD) discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product. Laminated glass by Novatech Architectural Inc. contains special conditions materials, reaction products (coatings) and float glass. Guidelines for reporting Special Conditions materials are still under development by the HPDC. Novatech Architectural Inc. will update the HPD accordingly once these guidelines get published. Known residuals and impurities; have been disclosed at 1,000 ppm. More details about how residuals and impurities were considered available in the appropriate section. Variations in the composition of Laminated glass [glass thickness, choice of laminating film, coated or uncoated glass, clear glass, or mirror] introduce ranges in the content inventory section. Undisclosed substances are proprietary.

*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.

COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method - Not tested

LCA: ISO 14040:2006 Environmental management -- Life cycle assessment

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

GLASS		%: 91.0000 - 98.0000	
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Glass
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are present in float glass above 1000 ppm.			
OTHER MATERIAL NOTES: Novatech Architectural offers a wide range of float glass (ultraclear, tinted, low-E coating, reflective coating, acid-etched glass, mirror, acid-etched mirror). Those types of glasses are essentially soda-lime glasses. Low-E and reflective coatings are not inventoried since both coatings are way below the reportable threshold. Mirrors have a base and top coat. It should be noted that the top and base coats are presented in tandem under "Mirror Single Coat" for both standard and acid-etched mirror materials. A weight interval is used to cover all product configurations (e.g. with and without laminated glass, coated or uncoated glass, float glass or mirrors,...)			

SODA-LIME SILICATE GLASS				ID: 2446523-50-6
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:36	
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: PreC	NANO: Unknown	SUBSTANCE ROLE: Glass 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: Soda Lime Float Glass (previously CAS number 65997-17-3) with a new CAS number 2446523-50-6 is made by melting various substances such as silicon dioxide, sodium oxide, calcium oxide, magnesium oxide and trace elements together. The full description of is expressed in weight percentage (Cf. EN 572-1 and EN 572-2). Tinted glasses are similar to clear glass; however, the composition varies slightly. In all cases, clear, tinted or low-iron glass, the product as delivered is 100% Soda Lime Float Glass.

LAMINATED FILM #1		%: 0.0000 - 9.0000	
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.			
OTHER MATERIAL NOTES: A weight interval is used to account for multiple glass thicknesses, laminated film thicknesses and glass without laminated film . Alernative to laminated film #2 and #3.			

ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL				ID: 27360-07-2
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:36		
%: 70.0000 - 80.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
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: Weight interval is used to keep exact recipe confidential.

HEXANOIC ACID, 2-ETHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER

ID: 94-28-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:37

%: 15.0000 - 30.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

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

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

SUBSTANCE NOTES: Weight interval is used to keep exact recipe confidential.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:37

%: 0.0000 - 5.0000

GreenScreen: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2

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

SUBSTANCE NOTES: Weight interval is used to keep exact recipe confidential.

TITANIUM DIOXIDE

ID: 1317-70-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:38

%: 0.0000 - 2.0000

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
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

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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SUBSTANCE NOTES: Weight interval is used to keep exact recipe confidential.

MIRROR SINGLE COAT

%: 1.3000 - 2.7300

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and reported if present at or above product declaration threshold.

OTHER MATERIAL NOTES: Mirrors have a base and top coat. It should be noted that the top and base coats are presented in tandem under "Mirror Single Coat" paint for both standard and acid-etched mirror materials. A weight interval is used to cover all product configurations (e.g. with and without laminated glass, coated or uncoated glass, float glass or mirrors,...).

All substances composing the paint are presented with weight percentage interval to add confidentiality to the composition of the material.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:36

%: 15.0000 - 30.0000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
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 (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: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:36

%: 10.0000 - 20.0000

GreenScreen: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]

EYE	GHS - New Zealand	Eye irritation category 2
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.		

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:37		
%: 1.0000 - 15.0000	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.				

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:37		
%: 5.0000 - 15.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
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 2a - Agent is probably Carcinogenic to humans	
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	
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: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:38

%: 5.0000 - 15.0000 GreenScreen: BM-2 RC: None NANO: No SUBSTANCE ROLE: Solvent

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	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
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]
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Malaysia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
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: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.

POLYMER #2

ID: Polymer

HAZARD DATA SOURCE: GHS-compliant SDS

HAZARD SCREENING DATE: Not Screened

%: 1.0000 - 15.0000 GreenScreen: N/A RC: None NANO: No POLYMER ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
Hazards Screening not applicable for this special condition. See GHS or CLP warnings below.		

POLYMER TYPE: Crosslinked thermoset

AVERAGE MOLECULAR WEIGHT : >10,000 Da

PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA : Unknown

ADDITIONAL SUBSTANCES CONSIDERED: Yes

GHS HAZARD STATEMENTS: Flam. Liq. 3, H226 ; Skin Irrit. 2, H315 ; Eye Irrit. 2, H319 ; STOT SE 3, H335 ; STOT RE 2, H373 ; Aquatic Chronic 3, H412

HAZARD SCREENING COMPLIANCE: Hazard screening data sourced from OSHA and/or EU compliance CLP or SDS, as allowed by HPDC Special Conditions policy for polymers.

POLYMER NOTES: This polymer has been reported in accordance to [HPDC Special Conditions Policy](#) for polymers without disclosed CAS numbers.

ADDITIONAL NOTES: Weight percentage interval is used to add confidentiality to the composition of the product.
The manufacturer has not reported any residues or impurities exceeding the reporting threshold based on technical or scientific knowledge.

%: **1.0000 - 10.0000**

GreenScreen: **LT-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
GEN	EU - Annex VI CMRs	Mutagen - Category 1B
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
GEN	GHS - Australia	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
GEN	EU - GHS (H-Statements) Annex 6 Table 3-1	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
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 - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
GEN	EU - REACH Annex XVII CMRs	Germ cell mutagens: Category 1B
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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 All Products
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 Core List - Mixtures Only
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Restrictions Based on Hazard Endpoints and Risk (Silver)

SUBSTANCE NOTES: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.

%: **1.0000 - 10.0000**

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Corrosion inhibitor**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	CA EPA - Prop 65	Carcinogen
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CAN	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
PBT	US EPA - Toxics Release Inventory PBTs	PBT
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
GEN	MAK	Germ Cell Mutagen 3a
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]
REP	GHS - Korea	H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1]
DEV	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 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]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B]
GEN	GHS - Australia	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
REP	EU - SVHC List	Toxic to reproduction - Candidate list
REP	EU - SVHC List	Toxic to reproduction - Prioritized for listing
REP	EU - REACH Annex XVII CMRs	Reproductive toxicants: Category 1A
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective July 10, 2026 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, 2025

		All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Electronics (RoHS)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Core List - Articles Only
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Core List - Mixtures Only
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Electrical and Electronics Equipment (EEE)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Children's Toy 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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Restrictions Based on Hazard Endpoints and Risk (Silver)

SUBSTANCE NOTES: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:40		
%: 1.0000 - 10.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:41		
%: 1.0000 - 10.0000	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 Chemical 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: Weight percentage interval is used to add confidentiality to the composition of the product. Furthermore, the substance is undisclosed as it is proprietary.		

POLYMER #1

ID: Polymer

HAZARD DATA SOURCE: GHS-compliant SDS

HAZARD SCREENING DATE: Not Screened

%: 1.0000 - 5.0000

GreenScreen: N/A

RC: None

NANO: No

POLYMER ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
Hazards Screening not applicable for this special condition. See GHS or CLP warnings below.		

POLYMER TYPE: Crosslinked thermoset

AVERAGE MOLECULAR WEIGHT : >10,000 Da

PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA : Unknown

ADDITIONAL SUBSTANCES CONSIDERED: Yes

GHS HAZARD STATEMENTS: Flam. Liq. 3, H226 ; Skin Sens. 1, H317 ; Eye Dam. 1, H318 ; Carc. 1B, H350

HAZARD SCREENING COMPLIANCE: Hazard screening data sourced from OSHA and/or EU compliance CLP or SDS, as allowed by HPDC Special Conditions policy for polymers.

POLYMER NOTES: This polymer has been reported in accordance to [HPDC Special Conditions Policy](#) for polymers without disclosed CAS numbers.

ADDITIONAL NOTES: Weight percentage interval is used to add confidentiality to the composition of the product.
The manufacturer has not reported any residues or impurities exceeding the reporting threshold based on technical or scientific knowledge.

COATING #1

%: 0.0000 - 2.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold.

OTHER MATERIAL NOTES: Material weight interval used to account for glass with or without coatings. Alternative to coating #3 and #4. Note that two coatings may be used in the same sealed unit.

SILANOL TERMINATED POLYDIMETHYLSILOXANE

ID: 70131-67-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:39

%: 64.0000 - 77.0000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Coating

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: Identified on the US EPA Safer Chemical Ingredient List. Crosslinked Polydimethylsiloxane. Water-based silicone coating that is fully cured to a tack-free silicone elastomeric film providing opacification in any color to glass and related construction materials. Weight interval used to protect product exact recipe.

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:39

%: 7.0000 - 21.0000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Tensile strength additive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
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]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]

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

SUBSTANCE NOTES: Weight interval used to protect product exact recipe. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:40		
%: 0.0000 - 10.0000 ALT	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 Chemical 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: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.					
ALTERNATE: This substance is an alternate substance to Cinquasia Red.					

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:41		
%: 0.0000 - 10.0000	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]		
CAN	GHS - Malaysia		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
MAM	GHS - Malaysia		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
PHY	GHS - Japan		H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]		
PHY	GHS - Malaysia		H251 - Self-heating: may catch fire [Self-heating chemicals category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product.
Substance not present in all colors.

C.I. PIGMENT YELLOW 42

ID: 51274-00-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:39

%: 0.0000 - 10.0000 ALT

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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for mulitple colors. Substance not present in all colors.

ALTERNATE: This substance is an alternate substance to Cinquasia Red.

C.I. PIGMENT BLUE 28

ID: 1345-16-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:39

%: 0.0000 - 10.0000 ALT

GreenScreen: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a

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

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product.
Substance not present in all colors.

ALTERNATE: This substance is an alternate substance to Cinquasia Red.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:40

%: 0.0000 - 10.0000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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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 Chemical 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: Weight interval used to protect product exact recipe and account for mulitple colors available. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product. Substance not present in all colors.

RUTILE, TIN ZINC

ID: 85536-73-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:41

%: 0.0000 - 10.0000 ALT

GreenScreen: NoGS

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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.

ALTERNATE: This substance is an alternate substance to Cinquasia Red.

NIOBIUM SULFUR TIN ZINC OXIDE

ID: 1374645-21-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:42

%: 0.0000 - 10.0000 ALT

GreenScreen: NoGS

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
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.		
ALTERNATE: This substance is an alternate substance to Cinquasia Red.		

C.I. PIGMENT YELLOW 53

ID: 8007-18-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:42		
%: 0.0000 - 10.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals		
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		
SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product. Substance not present in all colors.				
ALTERNATE: This substance is an alternate substance to Cinquasia Red.				

C.I. PIGMENT GREEN 50

ID: 68186-85-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:43		
%: 0.0000 - 10.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man		
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization		

GEN	MAK	Germ Cell Mutagen 3a
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals
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
SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product. Substance not present in all colors. ALTERNATE: This substance is an alternate substance to Cinquasia Red.		

C.I. PIGMENT YELLOW 83

ID: 5567-15-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:44		
%: 0.0000 - 10.0000 ALT		GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
CAN		MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
EYE		GHS - New Zealand		Eye irritation category 2	
AQU		GHS - New Zealand		Hazardous to the aquatic environment - chronic category 3	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
None found				No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.					
ALTERNATE: This substance is an alternate substance to Cinquasia Red.					

CINQUASIA RED

ID: 1047-16-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:45		
%: 0.0000 - 10.0000		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	
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	

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.

C.I. 74265 (C.I. PIGMENT GREEN)

ID: 14302-13-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-09-28 14:20:46

%: 0.0000 - 10.0000 ALT	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		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Weight interval used to protect product exact recipe and account for multiple colors. Substance not present in all colors.

ALTERNATE: This substance is an alternate substance to Cinquasia Red.

FERRIC OXIDE

ID: 1309-37-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2026-09-28 14:20:42

%: 0.0000 - 3.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: Weight interval used to protect product exact recipe and account for multiple colors. Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product. Substance not present in all colors.

LAMINATED FILM #2

%: 0.0000 - 9.0000 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: A weight interval is used to account for multiple glass thicknesses, laminated film thicknesses and glass without laminated film .
Aternative to laminated film #1 and #3.

ALTERNATE: This nested material is an alternate nested material to Laminated film #1.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:43	
%: 65.0000 - 75.0000				
GreenScreen: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Binder
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: Weight interval is used to keep exact recipe confidential.				

HEXANOIC ACID, 2-ETHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER

ID: 94-28-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:44	
%: 15.0000 - 30.0000				
GreenScreen: LT-UNK		RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Weight interval is used to keep exact recipe confidential.				

LAMINATED FILM #3

%: 0.0000 - 9.0000 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.		
OTHER MATERIAL NOTES: A weight interval is used to account for multiple glass thicknesses, laminated film thicknesses and glass without laminated film . Alernative to laminated film #1 and #2.		
ALTERNATE: This nested material is an alternate nested material to Laminated film #1.		

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENE, SODIUM SALT

ID: 25608-26-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:45	
%: 0.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
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: Weight interval is used to account for product variability.

COATING #3

%: 0.0000 - 1.0000 ALTERNATE

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Material weight interval used to account for glass with or without coatings. Alternative to coating #1 and #4. Note that two coatings may be used in the same sealed unit.

ALTERNATE: This nested material is an alternate nested material to Coating #1.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-09-28 14:20:46**

%: **75.0000 - 90.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Glass component**

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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Electronics (RoHS)
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: Weight interval is used to protect product exact recipe. Furthermore, the substance is undisclosed as it is proprietary.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2026-09-28 14:20:42**

%: **0.0000 - 20.0000 ALT** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
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	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

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:43		
%: 0.0000 - 20.0000	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	
None found			No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:44		
%: 0.0000 - 15.0000	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 Chemical 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, 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: Weight interval is used to protect product exact recipe and cover multiple coating colors.		

UNDISCLOSED		ID: Undisclosed		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:45		
%: 0.0000 - 10.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man	
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization	
GEN	MAK		Germ Cell Mutagen 3a	
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	
SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.				
ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.				

UNDISCLOSED		ID: Undisclosed		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2026-09-28 14:20:46		
%: 0.0000 - 10.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	IARC		Group 1 - Agent is Carcinogenic to humans	
CAN	CA EPA - Prop 65		Carcinogen	
CAN	US NIH - Report on Carcinogens		Known to be a human Carcinogen	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List	
			Certain Metals	
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	

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.

MICA

ID: 12001-26-2

HAZARD DATA SOURCE: Pharos Chemical and Materials LibraryHAZARD SCREENING DATE: 2026-09-28 14:20:43

0.0000 - 10.0000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE			WARNINGS	
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: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

HEXYLENE GLYCOL

ID: 107-41-5

HAZARD DATA SOURCE: Pharos Chemical and Materials LibraryHAZARD SCREENING DATE: 2026-09-28 14:20:44

%		0.0000 - 5.0000		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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]	
EYE		GHS - Japan				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: Weight interval is used to protect product exact recipe and cover multiple coating colors.

SILICON DIOXIDE

ID: 7631-86-9

HAZARD DATA SOURCE: Pharos Chemical and Materials LibraryHAZARD SCREENING DATE: 2026-09-28 14:20:45

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
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]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Flame Retardants

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:46

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	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals
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: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.

UNDISCLOSED

ID: Undisclosed

%: **0.0000 - 5.0000 ALT**

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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.

UNDISCLOSED

ID: **Undisclosed**

%: **0.0000 - 5.0000 ALT**

GreenScreen: **LT-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
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

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, the substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C3_e.

COATING #4

%: **0.0000 - 0.1000 ALTERNATE**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes**

MATERIAL TYPE: **Glass**

RESIDUALS AND IMPURITIES NOTES: There are no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: Material weight interval used to account for glass with or without coatings. Alternative to coating #1 and #3. Note that two coatings may be used in the same sealed unit.

ALTERNATE: This nested material is an alternate nested material to Coating #1.

FRITS, CHEMICALS

ID: **65997-18-4**

%: **0.0000 - 50.0000**

GreenScreen: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Glass component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPHII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Electronics (RoHS)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPHII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Cosmetics & Personal Care Products
SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple alternate.		

DIPROPYLENE GLYCOL METHYL ETHER				ID: 34590-94-8
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:47	
%: 0.0000 - 30.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors.				

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-09-28 14:20:48	
%: 0.0000 - 30.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man	
RES	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization	
GEN	MAK		Germ Cell Mutagen 3a	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPHII)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025	
			Children's Toy Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPHII)		C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026	
			Children's Toy Products	
SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, this substance is undisclosed as it is proprietary.				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:48

%: 0.0000 - 20.0000 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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, this substance is undisclosed as it is proprietary.

DIETHYLENE GLYCOL MONO-N-BUTYL ETHER

ID: 112-34-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:47

%: 0.0000 - 15.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
EYE	GHS - New Zealand	Eye 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]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
EYE	GHS - Malaysia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Core List - Mixtures Only
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: Weight interval is used to protect product exact recipe and cover multiple coating colors.

%: **0.0000 - 15.0000**

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 Chemical 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, 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: Weight interval is used to protect product exact recipe and cover multiple coating colors.

UNDISCLOSED

ID: **Undisclosed**

%: **0.0000 - 15.0000 ALT**

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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietary Ingredient C4_a.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:49

%: 0.0000 - 15.0000 ALT	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	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List		
		Certain Metals		
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: Weight interval is used to protect product exact recipe and cover multiple coating colors. Furthermore, this substance is undisclosed as it is proprietary.

ALTERNATE: This substance is an alternate substance to Proprietaty Ingredient C4_a.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:49

%: 0.0000 - 15.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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: Weight interval is used to protect product exact recipe and cover multiple coating colors.
Form-specific hazards not expected to apply when substance is bound in the matrix of the cured and dried product. Substance not present in all colors. Furthermore, this substance is undisclosed as it is proprietary.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-09-28 14:20:47

%: 0.0000 - 15.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	GHS - New Zealand	Eye irritation category 2
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: vapor) - Category 3]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
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	GHS - Japan	H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]
MAM	GHS - New Zealand	Acute dermal toxicity category 3
EYE	GHS - Japan	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: Weight interval is used to protect product exact recipe.



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	CDPH Standard Method - Not tested	
COMPLIANCE TYPE: Self-declaration	ISSUE DATE: 2026-07-14	EXPIRY DATE: No expiration
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: All		
COMPLIANCE URL:		
COMPLIANCE NOTES:		
LCA	ISO 14040:2006 Environmental management -- Life cycle assessment	
COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2023-11-19	EXPIRY DATE: 2028-11-17
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Athena Sustainable Materials Institute		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: Laurier Station		
COMPLIANCE URL:		
https://www.csaregistries.ca/GHG_VR_Listing/EPD_ProjectDetail?ProjectId=408		
COMPLIANCE NOTES: The Environmental Product Declaration (EPD) is published by CSA Group (EPD registration number: 8939-3810).		



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

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MANUFACTURER INFORMATION

MANUFACTURER: **NOVATECH ARCHITECTURAL INC.**

ADDRESS: **153, Laurier blvd, Laurier-Station**

Laurier-Station, QC G0S 1N0

COUNTRY: **Canada**

WEBSITE: **www.novatecharchitectural.com**

CONTACT NAME: **Vincent St-Hilaire**

TITLE: **Plant Engineer**

PHONE: **418-728-2023 #3215**

EMAIL: **vincent.st-hilaire@groupenovatech.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.