Horizontal Sliding System by Claridge Products

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 414999502848

CLASSIFICATION: 10 11 33.13 Horizontal-Sliding Visual Display Units

PRODUCT DESCRIPTION: Horizontal Sliding Units are custom-built to meet your needs, providing optimum display surfaces within easy reach for teaching, conferences, and training.

Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format © Nested Materials Method

© Basic Method

Threshold Disclosed Per

O Material

Product

Threshold Level
○ 100 ppm
○ 1,000 ppm
○ Per GHS SDS

C Other

Residuals/Impurities Evaluation Completed in 14 of 14 Materials

Explanation(s) provided for Residuals/Impurities? • Yes • No

Nested Method / Product Threshold

For all contents above the threshold, the n	nanufacturer has:
Characterized	⊙ Yes ⊖ No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using HPDC-a	pproved
methods.	
Identified	O Yes 🖸 No
Provided name and CAS RN or other iden	ntifier.

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

ALUMINUM TRIM [ALUMINUM BM-1 | END | MAM | PHY MAGNESIUM LT-UNK | PHY | MAM | SKI | EYE SILICON, ELEMENTAL LT-UNK] PARTICLE BOARD [LIGNO-CELLULOSIC MATERIALS NoGS UREA, POLYMER WITH FORMALDEHYDE LT-P1 | SKI UREA, POLYMER WITH FORMALDEHYDE AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE LT-UNK FORMALDEHYDE-MELAMINE POLYMER LT-UNK AMMONIUM SULFATE LT-P1 | END TITANIUM DIOXIDE BM-1 * | CAN | END | MAM UREA LT-UNK | EYE CARBON BLACK BM-1 * | CAN | EYE | MAM | PHY SLACK WAX (PETROLEUM) LT-1 | CAN | MUL | DEV] PORCELAIN STEEL WRITING SURFACE [UNDISCLOSED NoGS UNDISCLOSED LT-1 | CAN | RES | GEN | SKI UNDISCLOSED BM-1 MUL | EYE | MAM | GEN | REP UNDISCLOSED LT-P1 | SKI | EYE | MAM UNDISCLOSED BM-3dg | CAN | MAM UNDISCLOSED LT-P1 | MUL | AQU | MAM | EYE UNDISCLOSED BM-2 | MAM UNDISCLOSED BM-1 | END | MUL | AQU | MAM | REP UNDISCLOSED BM-1 | REP | MUL | MAM | SKI | EYE UNDISCLOSED BM-1 | CAN | MAM UNDISCLOSED BM-1 || SKI || MAM UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 || END | MUL | AQU | MAM | EYE | GEN | REP | PHY | DEV UNDISCLOSED LT-UNK | CAN UNDISCLOSED LT-1 * | CAN] STEEL BACKER [IRON, ELEMENTAL LT-P1 | END MANGANESE LT-P1 | END | MUL | REP | MAM | AQU CHROMIUM LT-P1 | END | SKI | MAM | REP | RES ZINC, ELEMENTAL LT-P1 | MUL | AQU SILICON, ELEMENTAL LT-UNK COPPER LT-P1 | MUL | AQU | MAM ALUMINUM BM-1 | END | MAM | PHY NICKEL LT-1 | CAN | MUL | RES | MAM | SKI | AQU HYDROCHLORIC ACID BM-2 | MAM | SKI | EYE | AQU MOLYBDENUM LT-UNK | MAM | SKI | REP BORON LT-UNK | MAM] HONEYCOMB CORE [CELLULOSE LT-1 | CAN WATER BM-4] 4 WHEEL BALL BEARING CARRIERS [UNDISCLOSED LT-P1 | END UNDISCLOSED NoGS] PENDANT BOLTS [UNDISCLOSED LT-P1 | END] BACK PANEL ADHESIVE [UNDISCLOSED BM-3 | EYE UNDISCLOSED BM-3 | EYE UNDISCLOSED LT-UNK UNDISCLOSED BM-U | CAN]

Number of Greenscreen BM-4/BM3 contents ... 6

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1 Nanomaterial ... No INVENTORY AND SCREENING NOTES:

This product inventory was screened to the 1000 ppm threshold.

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

LAMINATING ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED BM-4 UNDISCLOSED LT-P1 | MUL] CORK STRIP FOR MAP RAIL [CORK NoGS CORK SHEET BINDER LT-UNK LINSEED OIL NoGS SHOULDER BOLTS [IRON, ELEMENTAL LT-P1 | END] NYLON WASHERS [PA66 POLYMER LT-UNK] HEX LOCKING NUTS [IRON, ELEMENTAL LT-P1 | END] MYLAR BACKING [POLYESTER LT-P1]

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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

scenario

Third Party Verified?

C Yes

No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #:

SCREENING DATE: 2024-10-18 PUBLISHED DATE: 2024-10-18 EXPIRY DATE: 2027-10-18

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

ALUMINUM TRIM	%: 29.0900	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: F	Residuals and Impurities were evaluated and determined to be below the 1,000) ppm threshold.

OTHER MATERIAL NOTES:

ALUMINUM				ID: 7429-90-5
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZAF	RD SCREENING DATE: 2024-10-18 12:29:44
%: 97.3000 - 99.3500	GreenScreen: BM-1 RC	: Both	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disruptor	S	Potential End	locrine Disruptor
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]	
РНҮ	GHS - Japan		[Substances a	tact with water releases flammable gas and mixtures, which in contact with water, le gases - Category 2]
PHY	GHS - Malaysia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]	
PHY	GHS - Australia			es fire spontaneously if exposed to air quids; Pyrophoric solids - Category 1]
РНҮ	GHS - New Zealand		Pyrophoric sc	olids category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	NC
RESTRICTED LIST	Cradle to Cradle Products Innovation (C2CPII)	Institute		l v4.0 Product Standard Restricted .ist (RSL) - Effective July 1, 2022
			Biological and	d Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation (C2CPII)	Institute		l v4.0 Product Standard Restricted .ist (RSL) - Effective July 1, 2022
			Children's Pro	oducts

SUBSTANCE NOTES: Aluminum ingots used in extrusion are produced with both pre and post consumer recycled material. Percentages may vary.

MAGNESIUM

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 12:29:4		
%: 0.4500 - 0.9000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE	Ē	WARNINGS		
РНҮ	EU - GHS (H-Statements)	EU - GHS (H-Statements) Annex 6 Table 3-1		et with water releases flammable gases e spontaneously [Substances and mixtures t with water, emit flammable gases -	
РНҮ	EU - GHS (H-Statements)	EU - GHS (H-Statements) Annex 6 Table 3-1		fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]	
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
РНҮ	GHS - Australia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		
SKI	GHS - Japan	GHS - Japan		skin irritation [Skin corrosion / irritation -	
РНҮ	GHS - Australia	GHS - Australia		et with water releases flammable gases e spontaneously [Substances and mixtures t with water, emit flammable gases -	
EYE	GHS - Japan	GHS - Japan		serious eye irritation [Serious eye damage ategory 2A]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	Ē	NOTIFICATION		
None found			١	No listings found on Additional Hazard Lists	

SILICON, ELEMENTAL				ID: 7440-21-3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZARD	SCREENING DATE: 2024-10-18 12:29:45
%: 0.2000 - 0.6000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wa	arnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			Ν	No listings found on Additional Hazard Lists

PARTICLE BOARD

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%: 25.0100
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PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

LIGNO-CELLULOSIC MATERIALS

ID: 65996-61-4

			Exempted fro safety	m REACH Annex IV listing due to intrinsic
EXEMPT	European Union / European (EC)	Commission (EU	EU - REACH	Exemptions
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
None found			Nc	warnings found on HPD Priority Hazard Lists
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
%: 80.0000 - 92.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZAF	RD SCREENING DATE: 2024-10-18 12:29:46

SUBSTANCE NOTES:

UREA, POLYMER WITH FORMALDEHYDE

ID: 9011-05-6

HAZARD DATA SOURCE:	AZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 12:29:	
%: 0.0000 - 17.2000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
SKI	GHS - New Zealand		Skin sensitisation category 1	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	1
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precaut	ionary List
			Precautionary I avoidance	ist of substances recommended for
RESTRICTED LIST	International Living Future Inst	titute (ILFI)		Challenge 4.0 - Red List of Materials & fective April 1, 2024
			Red List substa V4.0 projects	ances to avoid in Living Building Challenge

SUBSTANCE NOTES:

ID: 9003-08-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 12:29:4		
%: 2.0000 - 17.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No v	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	J
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precaut	ionary List
			Precautionary I avoidance	ist of substances recommended for
RESTRICTED LIST	International Living Future Insti	ute (ILFI)	0 0	Challenge 4.0 - Red List of Materials & fective April 1, 2024
			Red List substa V4.0 projects	ances to avoid in Living Building Challenge
SUBSTANCE NOTES:				

FORMALDEHYDE-MELAMINE POLYMER

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 12:29:45 %: 0.0000 - 2.8000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species HAZARD TYPE LIST NAME AND SOURCE WARNINGS No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION RESTRICTED LIST International Living Future Institute (ILFI) Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES:

AMMONIUM SULFATE				ID: 7783-20-2
HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ry	HAZARD	SCREENING DATE: 2024-10-18 12:29:45
%: 0.0000 - 2.3000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Di	sruptors	Potential Endoc	crine Disruptor

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD DATA SOURCE:	AZARD DATA SOURCE: Pharos Chemical and Materials Library		Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 12:29:46	
%: 0.0000 - 1.5500	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Ca	rcinogens	Occupational Carc	cinogen**
CAN	CA EPA - Prop 65		Carcinogen - spec	ific to chemical form or exposure route**
CAN	IARC			ly carcinogenic to humans - inhaled sources**
CAN	МАК	МАК		9 3A - Evidence of carcinogenic effects 9 establish MAK/BAT value**
END	TEDX - Potential Endocrine	TEDX - Potential Endocrine Disruptors		e Disruptor**
CAN	MAK		Carcinogen Group risk under MAK/BA	4 - Non-genotoxic carcinogen with low AT levels**
CAN	IARC		Group 2b - Possib	ly carcinogenic to humans**
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1 H351 - Suspected of causing cancer [Carcinogen Category 2]**		of causing cancer [Carcinogenicity -	
CAN	GHS - Japan	GHS - Japan		of causing cancer [Carcinogenicity -
МАМ	GHS - Japan		repeated exposure	mage to organs through prolonged or e [Specific target organs/systemic toxicity 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)

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.

UREA				ID: 57-13-6
HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	ŷ	HAZARI	O SCREENING DATE: 2024-10-18 12:29:46
%: 0.0300 - 1.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	١
RESTRICTED LIST	Green Science Policy Institute	(GSPI)	GSPI - Six Clas	sses Precautionary List
			Antimicrobials	

SUBSTANCE NOTES:

CARBON BLACK				ID: 1333-86-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Li	brary	HAZARD S	CREENING DATE: 2024-10-18 12:29:47
%: 0.0000 - 1.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**
CAN	МАК	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]**
РНҮ	GHS - Japan	H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1]**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

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

SLACK WAX (PETROLEUM)			ID: 64742 ·		
HAZARD DATA SOURC	E: Pharos Chemical and Materials Lib	rary	HAZARD S	SCREENING DATE: 2024-10-18 12:29:47	
%: 0.1000 - 1.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	EU - Annex VI CMRs	EU - Annex VI CMRs		gory 1B - Presumed Carcinogen based ce	
MUL	ChemSec - SIN List	ChemSec - SIN List		n, Mutagen &/or Reproductive Toxicant	
MUL	German FEA - Substances H Waters	German FEA - Substances Hazardous to Waters		to Waters	
CAN	GHS - Australia	GHS - Australia		e cancer [Carcinogenicity - Category 1A	
CAN	EU - GHS (H-Statements) A	EU - GHS (H-Statements) Annex 6 Table 3-1		e cancer [Carcinogenicity - Category 1A	
DEV	GHS - Australia		-	ed of damaging the unborn child ricity - Category 2]	
CAN	EU - REACH Annex XVII CM	1Rs	Carcinogens: Cat	egory 1B	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	vation Institute		Product Standard F RSL) - Effective July	
			Children's Products	S	
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	vation Institute		Product Standard F SL) - Effective July	
			Formulated Consu	mer Products	
SUBSTANCE NOTES:					
PORCELAIN STEEL WRITIN	IG SURFACE %: 18.2800				
provided the substance comp	ES NOTES: Residuals and Impurities were position ranges as shown and the ranges e	e evaluated and	determined to be bel	low the 1,000 ppm t	
OTHER MATERIAL NOTES:					ID: Undisclosed
	Pharos Chemical and Materials Library	v	HAZARD SC		2024-10-18 12:41:42
	GreenScreen: NoGS	RC: None			tructure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		·
None found			No warr	nings found on HPD	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Ac	lditional Hazard Lists
SUBSTANCE NOTES: Su UNDISCLOSED	bstance is the intellectual property of the s	supplier and conf	fidential		ID: Undisclosed
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	у	HAZARD SC	CREENING DATE:	2024-10-18 12:50:16
%: 0.0000 - 5.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE	E: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	МАК	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	МАК	Germ Cell Mutagen 3a
CAN	GHS - New Zealand	Carcinogenicity category 2
SKI	GHS - New Zealand	Skin sensitisation 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
		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

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Librar	У	HAZARD	SCREENING DATE: 2024-10-18 12:49:40
%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
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 - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - New Zealand	Acute inhalation toxicity category 2
REP	GHS - New Zealand	Reproductive toxicity category 2
REP	GHS - New Zealand	Effects on or via lactation
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
SUBSTANCE NOTES: Substance	ce is the intellectual property of the supplier and con	fidential

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE:	Pharos Chemical and Materials Lil	brary	HAZARD	O SCREENING DATE: 2024-10-18 12:50:48
%: 0.0000 - 5.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1B
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
МАМ	GHS - Korea	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
		No listings found on Additional Hazard Lists

				_
IIN	nisi	CLO	SE	n

ID: Undisclosed

HAZARD DATA SOURCE: F	Pharos Chemical and Materials Librar	У	HAZARE	D SCREENING DATE: 2024-10-18 12:51:1
%: 0.0000 - 5.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	МАК		Carcinogen Gro risk under MAK	oup 4 - Non-genotoxic carcinogen with low //BAT levels
MAM	GHS - Japan		,	use respiratory irritation [Specific target Single exposure - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	٨
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED

HAZARD DATA SOURCE: P	naros Chemical and Materials Lib	rary	HAZARD	O SCREENING DATE: 2024-10-18 12:49:0
%: 0.0000 - 5.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances H Waters	lazardous to	Class 2 - Hazaı	rd to Waters
AQU	EU - GHS (H-Statements) A	nnex 6 Table 3-1	-	kic to aquatic life [Hazardous to the aquatic cute) - Category 1]
AQU	EU - GHS (H-Statements) A	nnex 6 Table 3-1	-	kic to aquatic life with long lasting effects the aquatic environment (chronic) -
MAM	GHS - Japan			use respiratory irritation [Specific target Single exposure - Category 3]
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
MAM	GHS - Japan			damage to organs [Specific target c toxicity following single exposure -
AQU	GHS - New Zealand		Hazardous to the	he aquatic environment - acute category 1
AQU	GHS - Japan		-	kic to aquatic life [Hazardous to the aquatic cute) - Category 1]
AQU	GHS - Japan		-	kic to aquatic life with long lasting effects the aquatic environment (chronic) -
AQU	GHS - Australia			kic to aquatic life with long lasting effects the aquatic environment (chronic) -
AQU	GHS - New Zealand		Hazardous to the	he aquatic environment - chronic category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	١
RESTRICTED LIST	Green Science Policy Institut	te (GSPI)	GSPI - Six Clas	sses Precautionary List
			Antimicrobials	

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE	Pharos Chemical and Materials Lib	rary	HAZARI	D SCREENING DATE: 2024-10-18 12:48:24
%: 0.0000 - 5.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MAM	GHS - Japan		,	use respiratory irritation [Specific target Single exposure - Category 3]
MAM	GHS - Japan		repeated expos	a damage to organs through prolonged or sure [Specific target organs/systemic toxicity tted 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
		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

UNDISCLOSED

HAZARD DATA SOURCE:	Pharos Chemical and Materials Lil	brary	HAZARI	D SCREENING DATE: 2024-10-18 12:47:42
%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE	E	WARNINGS	
END	TEDX - Potential Endocrine	e Disruptors	Potential Endo	crine Disruptor
MUL	German FEA - Substances Waters	Hazardous to	Class 3 - Sever	re Hazard to Waters
AQU	EU - GHS (H-Statements)	Annex 6 Table 3-1		xic to aquatic life [Hazardous to the aquatic cute) - Category 1]
AQU	EU - GHS (H-Statements)	Annex 6 Table 3-1	-	xic to aquatic life with long lasting effects the aquatic environment (chronic) -
MAM	GHS - Japan			damage to organs [Specific target ic toxicity following single exposure -
AQU	GHS - New Zealand		Hazardous to the	he aquatic environment - acute category 1
AQU	GHS - Japan		-	xic to aquatic life [Hazardous to the aquatic cute) - Category 1]
AQU	GHS - Japan		-	xic to aquatic life with long lasting effects the aquatic environment (chronic) -
AQU	GHS - Australia		-	xic to aquatic life with long lasting effects the aquatic environment (chronic) -
AQU	GHS - New Zealand		Hazardous to the	he aquatic environment - chronic category 1
REP	GHS - Japan			ted of damaging fertility or the unborn child duction - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARI	D SCREENING DATE: 2024-10-18 12:46:2
%: 0.0000 - 5.0000 ALT	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
SKI	GHS - Australia		H315 - Causes Category 2]	skin irritation [Skin corrosion/irritation -
MAM	GHS - Japan		repeated expos	a damage to organs through prolonged or sure [Specific target organs/systemic toxicity tted exposure - Category 1]
MAM	GHS - Japan			a damage to organs [Specific target ic toxicity following single exposure -
SKI	GHS - New Zealand		Skin corrosion	category 1C
EYE	GHS - New Zealand		Serious eye da	mage category 1
EYE	GHS - Japan		H318 - Causes eye irritation - (serious eye damage [Serious eye damage / Category 1]
SKI	GHS - Japan		H315 - Causes Category 2]	skin irritation [Skin corrosion / irritation -
EYE	GHS - Australia			serious eye damage [Serious eye itation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
RESTRICTED LIST	Green Science Policy Institute (G	SPI)	GSPI - Six Clas	sses Precautionary List
			Antimicrobials	

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Boron oxide.

UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library	/	HAZARI	SCREENING DATE:	2024-10-18 12:45:36
%: 0.0000 - 5.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROL	E: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No v	varnings found on HPD	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	١	
None found				No listings found on Ad	dditional Hazard Lists
SUBSTANCE NOTES: Substa	nce is the intellectual property of the s	upplier and con	fidential		
ALTERNATE: This substance	is an alternate substance to Boron oxi	de.			
UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library	/	HAZARE	SCREENING DATE:	2024-10-18 12:44:48

RC: None

NANO: No

WARNINGS

NOTIFICATION

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

GreenScreen: BM-2

LIST NAME AND SOURCE

LIST NAME AND SOURCE

ALTERNATE: This substance is an alternate substance to Boron oxide.

%: 0.0000 - 5.0000 ALT

ADDITIONAL LISTINGS

HAZARD TYPE

None found

None found

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Librar	у	HAZARD	O SCREENING DATE: 2024-10-18 12:43:38
%: 0.0000 - 5.0000 ALT	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No v	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Boron oxide.

SUBSTANCE ROLE: Polymer species

No warnings found on HPD Priority Hazard Lists

No listings found on Additional Hazard Lists

UNDISCLOSED

HAZARD DATA SOURCE: P	haros Chemical and Materials Library	HAZARD SCREENING DATE: 2024-10-18 12:42
6: 0.0000 - 5.0000	GreenScreen: BM-1 RC: Non	NANO: NO SUBSTANCE ROLE: Polymer specie
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
REP	GHS - Korea	H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1]
REP	EU - GHS (H-Statements) Annex 6 Table 3-	H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
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
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage eye irritation - Category 2A]
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 1B
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institut (C2CPII)	e 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 Institut (C2CPII)	e C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institut (C2CPII)	e C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Formulated Consumer Products

UNDISCLOSED

HAZARD DATA SOURCE: P	haros Chemical and Materials Library	1	HAZARI	O SCREENING DATE: 2024-10-18 12:42:08
%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	GHS - Japan		H350 - May ca	use cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia		H350i - May ca Category 1A or	use cancer by inhalation [Carcinogenicity - 1B]
MAM	GHS - Japan			use respiratory irritation [Specific target Single exposure - Category 3]
МАМ	GHS - Japan		repeated expos	damage to organs through prolonged or sure [Specific target organs/systemic toxicity ted exposure - Category 1]
МАМ	GHS - Australia		repeated expos	damage to organs through prolonged or sure [Specific target organ toxicity - sure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Clas	sses Precautionary List
			Antimicrobials	

HAZARD DATA SOURCE: Ph	naros Chemical and Materials Librar	y	HAZARD S	CREENING DATE:	2024-10-18 13:10:55
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE R	OLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No war	nings found on HPD	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			Nc	listings found on Ac	dditional Hazard Lists
	11,	upplier and con	ndential		
	is an alternate substance to Chromiur		ndenna		
UNDISCLOSED	is an alternate substance to Chromiur	n (III) Oxide.			ID: Undisclosed
JNDISCLOSED		n (III) Oxide.		CREENING DATE:	ID: Undisclosed
UNDISCLOSED Hazard Data Source: Pr	is an alternate substance to Chromiur	n (III) Oxide.		CREENING DATE: SUBSTANCE R	2024-10-18 13:10:17
UNDISCLOSED	is an alternate substance to Chromiun	n (III) Oxide. y	HAZARD S		2024-10-18 13:10:1

ADDITIONAL	LISTINGS	LIST	NAM

ME AND SOURCE

NOTIFICATION

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

UNDISCLOSED

None found

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD S	CREENING DATE: 2024-10-18 13:09:24	
%: 0.0000 - 1.0000 ALT	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Group but not sufficient for	3B - Evidence of carcinogenic effects or classification**
МАМ	GHS - Japan		repeated exposure	mage to organs through prolonged or e [Specific target organs/systemic toxicity l exposure - Category 1]**
MAM	GHS - Japan			mage to organs [Specific target oxicity following single exposure -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

**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.

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: P	naros Chemical and Materials Librar	у	HAZARD S	CREENING DATE: 2024-10-18 13:11:35
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No war	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

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UN	1115			

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZARD S	CREENING DATE: 2024-10-18 13:08
6: 0.0000 - 1.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	МАК		Carcinogen Group man	2 - Considered to be carcinogenic for
RES	МАК		Sensitizing Substa sensitization	ance Sah - Danger of airway & skin
GEN	МАК		Germ Cell Mutage	en 3a
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovati (C2CPII)	ion Institute) Product Standard Restricted RSL) - Effective July 1, 2022
			Biological and Env	vironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovati (C2CPII)	ion Institute) Product Standard Restricted RSL) - Effective July 1, 2022
			Children's Product	ts

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Chromium (III) Oxide.

enScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE R	
ST NAME AND SOURCE		WARNINGS		
		No war	nings found on HPD	Priority Hazard Lists
ST NAME AND SOURCE		NOTIFICATION		
		No	listings found on Ac	Iditional Hazard Lists
e intellectual property of the su	upplier and con	fidential		
rnate substance to Chromium				
	e intellectual property of the su		ST NAME AND SOURCE NOTIFICATION No e intellectual property of the supplier and confidential	No listings found on Ac

naros Chemical and Materials Lib	rary	HAZARD S	CREENING DATE: 2024-10-18 13:06:37
GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
LIST NAME AND SOURCE		WARNINGS	
МАК		Sensitizing Substa	ance Sh - Danger of skin sensitization
GHS - Japan		repeated exposure	mage to organs through prolonged or e [Specific target organs/systemic toxicity I exposure - Category 1]
LIST NAME AND SOURCE		NOTIFICATION	
Cradle to Cradle Products In (C2CPII)	novation Institute		Product Standard Restricted RSL) - Effective July 1, 2022
		Biological and Env	vironmentally Released Materials
Cradle to Cradle Products In (C2CPII)	novation Institute		Product Standard Restricted RSL) - Effective July 1, 2022
		Children's Product	
	GreenScreen: BM-1 LIST NAME AND SOURCE MAK GHS - Japan LIST NAME AND SOURCE Cradle to Cradle Products In (C2CPII) Cradle to Cradle Products In	GreenScreen: BM-1 RC: None LIST NAME AND SOURCE MAK GHS - Japan LIST NAME AND SOURCE Cradle to Cradle Products Innovation Institute (C2CPII) Cradle to Cradle Products Innovation Institute	GreenScreen: BM-1 RC: None NANO: No LIST NAME AND SOURCE WARNINGS MAK Sensitizing Substa GHS - Japan H372 - Causes da LIST NAME AND SOURCE NOTIFICATION LIST NAME AND SOURCE NOTIFICATION Cradle to Cradle Products Innovation Institute (C2CPII) C2C Certified v4.0 Substances List (F Cradle to Cradle Products Innovation Institute (C2CPII) C2C Certified v4.0 Substances List (F

UNDISCLOSED

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Libra	ary	HAZA	RD SCREENING DATE: 2024-10-18 13:06:01
%: 0.0000 - 1.0000 ALT	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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)**
CAN	МАК	Carcinogen Group 1 - Substances that cause cancer in man**
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**
CAN	IARC	Group 1 - Agent is Carcinogenic to humans**
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen**
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]**
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]**
CAN	GHS - New Zealand	Carcinogenicity category 1**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]**
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]**
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

ALTERNATE: This substance is an alternate substance to Boron oxide.

**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.

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE	Pharos Chemical and Materials Libra	iry	HAZARD S	SCREENING DATE: 2024-10-18 13:04:51
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wa	rnings 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
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)
	,	Chelating Agents - Green Circle (Verified Low Concern)

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HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 13:04:2	
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disru	ptors	Potential Endo	crine Disruptor	
REP	EU - Annex VI CMRs		Reproductive T	oxicity - Category 1B	
MUL	ChemSec - SIN List		CMR - Carcino	gen, Mutagen &/or Reproductive Toxicant	
REP	GHS - Japan		H360 - May dar reproduction - 0	nage fertility or the unborn child [Toxic to Category 1B]	
REP	GHS - Australia	GHS - Australia		H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]	
REP	EU - GHS (H-Statements) Annex	6 Table 3-1		damage fertility. May damage the unborn tive toxicity - Category 1A or 1B]	
MAM	GHS - Japan		•	use respiratory irritation [Specific target Single exposure - Category 3]	
EYE	GHS - New Zealand		Eye irritation ca	tegory 2	
MAM	GHS - Japan		repeated expos	damage to organs through prolonged or ure [Specific target organs/systemic toxicity ted exposure - Category 1]	
МАМ	GHS - Japan			damage to organs [Specific target c toxicity following single exposure -	
SKI	GHS - Japan	GHS - Japan		skin irritation [Skin corrosion / irritation -	
REP	GHS - New Zealand		Reproductive to	exicity category 2	
REP	EU - SVHC List		Toxic to reprod	uction - Candidate list	
REP	EU - SVHC List		Toxic to reprod	uction - Prioritized for listing	
REP	EU - REACH Annex XVII CMRs		Reproductive to	exicants: Category 1B	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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

ALTERNATE: This substance is an alternate substance to Boron oxide.

UNDISCLOSED

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD S	CREENING DATE: 2024-10-18 13:03:2	
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Carrier
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
SKI	GHS - New Zealand		Skin irritation cate	gory 2
EYE	GHS - New Zealand		Eye irritation categ	jory 2
EYE	GHS - Japan		H318 - Causes se eye irritation - Cate	rious eye damage [Serious eye damage / egory 1]
SKI	GHS - Japan		H314 - Causes se corrosion / irritation	vere skin burns and eye damage [Skin n - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Sodium nitrite.

UNDISCLOSED

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Librai	У	HAZARD SC	
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Glaze
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
SKI	GHS - New Zealand		Skin irritation categ	lory 2
EYE	GHS - New Zealand		Eye irritation catego	ory 2
SKI	GHS - Japan		H315 - Causes skir Category 2]	n irritation [Skin corrosion / irritation -
EYE	GHS - Japan		H319 - Causes ser eye irritation - Cate	ious eye irritation [Serious eye damage gory 2A]
EYE	GHS - Australia		H318 - Causes ser damage/eye irritatio	ious eye damage [Serious eye on - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard List
SUBSTANCE NOTES: Substa	nce is the intellectual property of the	supplier and con	fidential	
	is an alternate substance to Sodium r			
JNDISCLOSED				ID: Undisclose
	aros Chemical and Materials Libra	у	HAZARD SC	ID: Undisclose
	aros Chemical and Materials Librar GreenScreen: BM-3dg	y RC: None	HAZARD SC NANO: No	
HAZARD DATA SOURCE: Ph				CREENING DATE: 2024-10-18 13:01:
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT	GreenScreen: BM-3dg		NANO: No WARNINGS	CREENING DATE: 2024-10-18 13:01:
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE	GreenScreen: BM-3dg		NANO: No WARNINGS	CREENING DATE: 2024-10-18 13:01:
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found	GreenScreen: BM-3dg LIST NAME AND SOURCE		NANO: No WARNINGS No warn	CREENING DATE: 2024-10-18 13:01:
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found	GreenScreen: BM-3dg LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa ALTERNATE: This substance JNDISCLOSED	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION No I	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa ALTERNATE: This substance JNDISCLOSED	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE	RC: None	NANO: No WARNINGS No warn NOTIFICATION No I	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze ings found on HPD Priority Hazard List listings found on Additional Hazard List
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa ALTERNATE: This substance JNDISCLOSED HAZARD DATA SOURCE: Ph	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE Ince is the intellectual property of the sis an alternate substance to Sodium r	RC: None supplier and con nitrite.	NANO: No WARNINGS No warn NOTIFICATION No fidential	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze ings found on HPD Priority Hazard List listings found on Additional Hazard List ID: Undisclose CREENING DATE: 2024-10-18 12:55:
HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000 ALT HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES: Substa ALTERNATE: This substance JNDISCLOSED HAZARD DATA SOURCE: Ph %: 0.0000 - 1.0000	GreenScreen: BM-3dg LIST NAME AND SOURCE LIST NAME AND SOURCE unce is the intellectual property of the sis an alternate substance to Sodium r aros Chemical and Materials Librar GreenScreen: LT-P1	RC: None supplier and con itrite. y RC: None	NANO: No WARNINGS No warn NOTIFICATION No fidential HAZARD SC NANO: No	CREENING DATE: 2024-10-18 13:01: SUBSTANCE ROLE: Glaze ings found on HPD Priority Hazard List listings found on Additional Hazard List ID: Undisclose CREENING DATE: 2024-10-18 12:55: SUBSTANCE ROLE: Filler

AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
МАМ	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
EYE	GHS - New Zealand	Eye irritation category 2
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
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]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic 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 - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
GEN	GHS - New Zealand	Germ cell mutagenicity category 2
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - New Zealand	Acute oral toxicity category 3
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
AQU	GHS - Australia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	GHS - Japan	H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]
РНҮ	GHS - Korea	H272 - May intensify fire; oxidizer [Oxidizing solids - Category 2]
DEV	GHS - Japan	H362 - May cause harm to breast-fed children [Developmental Toxicity - May cause harm to breast-fed children]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

UNDISCLOSED				ID: Undisclose
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 12:54:4
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No w	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	I
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Sub	stance is the intellectual property of the su	pplier and cor	fidential	
ALTERNATE: This substan	ce is an alternate substance to Kaolin.			
UNDISCLOSED				ID: Undisclose
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 12:53:5
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation ca	tegory 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	1
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Sub	stance is the intellectual property of the su	pplier and cor	ifidential	
ALTERNATE: This substan	ce is an alternate substance to Kaolin.			
UNDISCLOSED				ID: Undisclose
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 12:53:2
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	МАК		-	oup 3B - Evidence of carcinogenic effects It for classification
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	I
None found				No listings found on Additional Hazard Lists

UNDISCLOSED

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARI	O SCREENING DATE: 2024-10-18 12:52:52	
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	МАК		Carcinogen Gro risk under MAK	oup 4 - Non-genotoxic carcinogen with low //BAT levels
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	٨
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ALTERNATE: This substance is an alternate substance to Titanium dioxide (Rutile).

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libr	ary	HAZARD	SCREENING DATE: 2024-10-18 12:52:24
%: 0.0000 - 1.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carc	US CDC - Occupational Carcinogens		arcinogen**
CAN	CA EPA - Prop 65	CA EPA - Prop 65		pecific to chemical form or exposure route**
CAN	IARC		Group 2B - Pos from occupatior	sibly carcinogenic to humans - inhaled nal sources**
CAN	МАК		-	oup 3A - Evidence of carcinogenic effects at to establish MAK/BAT value**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	l
RESTRICTED LIST	Cradle to Cradle Products In (C2CPII)	novation Institute		4.0 Product Standard Restricted t (RSL) - Effective July 1, 2022
			Cosmetics & Pe	ersonal Care Products

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

**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.

STEEL BACKER	%: 13.2500	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

IRON, ELEMENTAL

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 12:29:4		
%: 41.8000 - 61.2900	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disi	ruptors	Potential Enc	docrine Disruptor	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	ON	
None found				No listings found on Additional Hazard Lists	
	LIST NAME AND SOURCE		NOTIFICATIO		

SUBSTANCE NOTES:

MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE:	Pharos Chemical and Materials Li	ibrary	HAZARD	SCREENING DATE: 2024-10-18 12:29:4	
%: 16.0000 G	areenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURC	E	WARNINGS		
END	TEDX - Potential Endocrin	e Disruptors	Potential Endoc	rine Disruptor	
MUL	German FEA - Substances Waters	German FEA - Substances Hazardous to Waters		e Hazard to Waters	
REP	GHS - Japan	GHS - Japan		nage fertility or the unborn child [Toxic to ategory 1B]	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxic following repeated exposure - Category 1]		
MAM	GHS - Australia	GHS - Australia		damage to organs through prolonged or ure [Specific target organ toxicity - ure - Category 1]	
AQU	GHS - New Zealand	GHS - New Zealand		Hazardous to the aquatic environment - chronic category	
AQU	GHS - Japan	GHS - Japan		aquatic life [Hazardous to the aquatic ute) - Category 2]	
AQU	GHS - Japan	GHS - Japan		aquatic life with long lasting effects ne aquatic environment (chronic) -	
ADDITIONAL LISTINGS	LIST NAME AND SOURC	E	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products (C2CPII)	Innovation Institute		I.0 Product Standard Restricted (RSL) - Effective July 1, 2022	
			Biological and E	nvironmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products (C2CPII)	Innovation Institute		I.0 Product Standard Restricted (RSL) - Effective July 1, 2022	
			Children's Produ	ucts	

CHROMIUM

ID: 7440-47-3

HAZARD DATA SOURCE:	HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 12:29:49
%: 0.0100 - 12.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disrup	otors	Potential Endocr	ine Disruptor
SKI	МАК		Sensitizing Subs	stance Sh - Danger of skin sensitization
MAM	GHS - Japan	GHS - Japan		se respiratory irritation [Specific target Single exposure - Category 3]
REP	GHS - New Zealand		Reproductive to>	kicity category 2
RES	GHS - Japan			se allergy or asthma symptoms or ties if inhaled [Respiratory sensitization -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovati (C2CPII)	on Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovati (C2CPII)	on Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	icts
RESTRICTED LIST	Cradle to Cradle Products Innovati (C2CPII)	on Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Cosmetics & Per	rsonal Care Products

SUBSTANCE NOTES:

ZINC, ELEMENTAL			ID: 7440-66-6	
HAZARD DATA SOU	RCE: Pharos Chemical and Materials Li	ibrary	HAZARD	SCREENING DATE: 2024-10-18 12:29:47
%: 10.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Galvanizing
HAZARD TYPE	LIST NAME AND SOURCE	E	WARNINGS	
MUL	German FEA - Substances Waters	s Hazardous to	Class 3 - Severe	Hazard to Waters
AQU	GHS - New Zealand		Hazardous to the	e aquatic environment - acute category 1
AQU	GHS - New Zealand		Hazardous to the	e 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
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

SUBSTANCE NOTES:

SILICON, ELEMENTAL				ID: 7440-21-3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZARD	SCREENING DATE: 2024-10-18 12:29:48
%: 0.0000 - 5.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No w	arnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			١	No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

COPPER

ID: 7440-50-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 12:29:48		
%: 3.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOUR	CE	WARNINGS	
MUL	German FEA - Substanc Waters	es Hazardous to	Class 3 - Severe	e Hazard to Waters
AQU	EU - GHS (H-Statements	s) Annex 6 Table 3-1		aquatic life with long lasting effects ne aquatic environment (chronic) -
MAM	GHS - Japan			se respiratory irritation [Specific target Single exposure - Category 3]
MAM	GHS - Japan			damage to organs [Specific target toxicity following single exposure -

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
		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
SUBSTANCE NOTES:		

ALUMINUM				ID: 7429-90-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 12:29:4			
%: 3.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine D	isruptors	Potential Endocr	Potential Endocrine Disruptor	
MAM	GHS - Japan		repeated exposu	damage to organs through prolonged or ure [Specific target organs/systemic toxicity ed exposure - Category 1]	
MAM	GHS - Japan	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]	
РНҮ	GHS - Japan		[Substances and	t with water releases flammable gas d mixtures, which in contact with water, gases - Category 2]	
РНҮ	GHS - Malaysia			fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]	
PHY	GHS - Australia			fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]	
РНҮ	GHS - New Zealand		Pyrophoric solid	s category 1	

%: 1.0000 - 3.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE RO	LE: Alloy element
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD	SCREENING DATE:	2024-10-18 12:29:50
NICKEL					ID: 7440-02-0
SUBSTANCE NOTES:					
			Children's Produ	cts	
				. , .	1, 2022
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	ation Institute		.0 Product Standard I (RSL) - Effective July	
			Biological and Er	nvironmentally Release	sed Materials
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	ation Institute		.0 Product Standard I (RSL) - Effective July	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	МАК	Carcinogen Group 1 - Substances that cause cancer in man
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
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	IARC	Group 2b - Possibly carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	МАК	Sensitizing Substance Sah - Danger of airway & skin sensitization
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
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]
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]
МАМ	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]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

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 (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
		Footwear, Apparel & Jewelry Products

SUBSTANCE NOTES:

HYDROCHLORIC ACID

ID: 7647-01-0

MAM US E SKI EU - MAM EU - MAM GHS	NAME AND SOURCE PA - EPCRA Extremely Ha tances		NANO: No WARNINGS Extremely Hazardo	SUBSTANCE ROLE: Coating		
MAM US E Subs SKI EU - MAM EU - MAM GHS	PA - EPCRA Extremely Ha tances			ous Substances		
Subs SKI EU - MAM EU - MAM GHS MAM GHS	tances		Extremely Hazardo	ous Substances		
MAM EU - MAM GHS MAM GHS	GHS (H-Statements) Anne	x 6 Table 3 1				
MAM GHS MAM GHS		EU - GHS (H-Statements) Annex 6 Table 3-1		H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]		
MAM GHS	MAM EU - GHS (H-Statements) Annex 6 Table 3-1		H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]			
	- Japan		repeated exposure	mage to organs through prolonged or [Specific target organs/systemic toxicity exposure - Category 1]		
EYE GHS	- Japan			mage to organs [Specific target exicity following single exposure -		
	- New Zealand		Serious eye dama	ge category 1		
EYE GHS	- Japan		H318 - Causes ser eye irritation - Cate	rious eye damage [Serious eye damage / egory 1]		
SKI GHS	- Japan		H314 - Causes sev corrosion / irritatior	vere skin burns and eye damage [Skin n - Category 1]		
SKI GHS	- Australia			vere skin burns and eye damage [Skin - Category 1A or 1B or 1C]		
MAM GHS	- New Zealand		Acute inhalation to	xicity category 2		
AQU GHS	- Japan		H400 - Very toxic t environment (acute	o aquatic life [Hazardous to the aquatic e) - Category 1]		

AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1B
МАМ	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
MAM	GHS - Malaysia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
SKI	GHS - Malaysia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
EYE	GHS - Malaysia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	GHS - Australia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
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]
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - Korea	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
МАМ	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: gas) - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials

SUBSTANCE NOTES:

MOLYBDENUM				ID: 7439-98-7
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 12:29:4	
%: 1.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
МАМ	GHS - Japan			se respiratory irritation [Specific target Single exposure - Category 3]
SKI	GHS - Japan		H315 - Causes s Category 2]	skin irritation [Skin corrosion / irritation -
REP	GHS - New Zealand		Reproductive to>	xicity category 2

LIST NAME AND SOURCE

NOTIFICATION

None found

SUBSTANCE NOTES:

BORON

ID: 7440-42-8

No listings found on Additional Hazard Lists

HAZARD DATA SOURCE: PI	naros Chemical and Materials Library	HAZARD SCRE	ENING DATE: 2024-10-18 12:29:
%: 1.1000 Green	Screen: LT-UNK RC: None	NANO: No SU	IBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS	
MAM	GHS - Japan		nage to organs [Specific target y following single exposure -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Proc Substances List (RSL)	duct Standard Restricted - Effective July 1, 2022
		Biological and Environr	mentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Proc Substances List (RSL)	duct Standard Restricted - Effective July 1, 2022
		Children's Products	

SUBSTANCE NOTES:

HONEYCOMB CORE

%: 5.2200

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Paper or Cardboard

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

HAZARD DATA SOURCE: Pha	aros Chemical and Materials Librar	у	HAZAR	RD SCREENING DATE: 2024-10-18 12:29:50
%: 92.0000 - 98.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	IARC		Group 1 - Age occupational	ent is carcinogenic to humans - inhaled from sources
CAN	CA EPA - Prop 65		Carcinogen	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HAZARD DATA SOURCE: P	haros Chemical and Materials Lib	rary	HAZARD SC	CREENING DATE: 2024-10-18 12:29:50
%: 6.0000 - 7.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
EXEMPT	European Union / European EC)	Commission (EU	EU - REACH Exen	nptions
	,		Exempted from RE safety	ACH Annex IV listing due to intrinsic

SUBSTANCE NOTES:

4 WHEEL BALL BEARING CARRIERS	%: 2.7400	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: Res	iduals and Impurities were evaluated and determined to be below the 1,000	ppm threshold.
OTHER MATERIAL NOTES:		

	enScreen: LT-P1 LIST NAME AND SOURCE TEDX - Potential Endocrine Dis	RC: None		D SCREENING DATE: 2024-10-18 12:29:50 SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE			
			WAININGS	
		ruptors	Potential Endo	crine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Subst	ance is the intellectual property of the s	upplier and con	fidential	
UNDISCLOSED				ID: Undisclose
HAZARD DATA SOURCE: PI	naros Chemical and Materials Library	y	HAZARI	D SCREENING DATE: 2024-10-18 12:29:5
%: 24.5000 Gre	enScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			Nov	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	Ν
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Subst	ance is the intellectual property of the s	upplier and con	fidential	
ENDANT BOLTS	%: 1.8300			
	ppm RESIDUALS AND IMPURI	TIES EVALUAT	ION COMPLETE	ED: Yes MATERIAL TYPE: Metal
RODUCT THRESHOLD: 1000				
RODUCT THRESHOLD: 1000 ESIDUALS AND IMPURITIES	NOTES: Residuals and Impurities were	evaluated and	determined to be	e below the 1,000 ppm threshold.

UNDISCLOSED

					ID: Undisclosed
HAZARD DATA SOURCE	Pharos Chemical and Materials Librar	у	HAZAR	D SCREENING DATE:	2024-10-18 12:29:51
%: 94.3200	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: S	tructure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Dis	ruptors	Potential Endo	crine Disruptor	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	Ν	
None found				No listings found on Ad	ditional Hazard Lists
SUBSTANCE NOTES: S	Substance is the intellectual property of the s	upplier and con	fidential		
ACK PANEL ADHESIVE	%: 1.6000				
RODUCT THRESHOLD: 1	1000 ppm RESIDUALS AND IMPURITIES	S EVALUATION	COMPLETED:	Yes MATERIAL TYF	PE: Polymeric Materia
SIDUALS AND IMPURIT	TIES NOTES: Residuals and Impurities were	e evaluated and	determined to be	e below the 1,000 ppm t	hreshold.
THER MATERIAL NOTES				ý 11	
JNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE	Pharos Chemical and Materials Librar	y	HAZAR	D SCREENING DATE:	2024-10-18 12:29:52
%: 33.1000	GreenScreen: BM-3	RC: None	NANO: NC	SUBSTANCE F	ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
	LIST NAME AND SOURCE GHS - New Zealand		WARNINGS Eye irritation c	ategory 2	
HAZARD TYPE EYE ADDITIONAL LISTINGS	GHS - New Zealand				
EYE	GHS - New Zealand		Eye irritation c		ditional Hazard Lists
EYE ADDITIONAL LISTINGS None found	GHS - New Zealand	upplier and con	Eye irritation c	Ν	ditional Hazard Lists
EYE ADDITIONAL LISTINGS None found	GHS - New Zealand	upplier and con	Eye irritation c	Ν	ditional Hazard Lists
EYE ADDITIONAL LISTINGS None found	GHS - New Zealand	upplier and con	Eye irritation c	Ν	ditional Hazard Lists
EYE ADDITIONAL LISTINGS None found SUBSTANCE NOTES: S	GHS - New Zealand	upplier and con	Eye irritation c	Ν	
EYE ADDITIONAL LISTINGS None found SUBSTANCE NOTES: S JNDISCLOSED	GHS - New Zealand LIST NAME AND SOURCE		Eye irritation c	N No listings found on Ad	ID: Undisclosed
EYE ADDITIONAL LISTINGS None found SUBSTANCE NOTES: S JNDISCLOSED HAZARD DATA SOURCE	GHS - New Zealand LIST NAME AND SOURCE Substance is the intellectual property of the s	y	Eye irritation c NOTIFICATIO fidential	N listings found on Ad	ID: Undisclosed 2024-10-18 12:29:53
EYE ADDITIONAL LISTINGS None found SUBSTANCE NOTES: S JNDISCLOSED IAZARD DATA SOURCE	GHS - New Zealand LIST NAME AND SOURCE Gubstance is the intellectual property of the s E: Pharos Chemical and Materials Library GreenScreen: BM-3		Eye irritation c NOTIFICATIO fidential HAZAR NANO: No	N listings found on Ad	ID: Undisclosed 2024-10-18 12:29:53
EYE ADDITIONAL LISTINGS None found SUBSTANCE NOTES: S UNDISCLOSED	GHS - New Zealand LIST NAME AND SOURCE Substance is the intellectual property of the s	y	Eye irritation c NOTIFICATIO fidential	N No listings found on Ad D SCREENING DATE: SUBSTANCE F	ID: Undisclosed 2024-10-18 12:29:53

None found

UNDISCLOSED

LIST NAME AND SOURCE

NOTIFICATION

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOU	RCE: Pharos Chemical and Materials Libra	ry	HAZARI	D SCREENING DATE: 2024-10-18 12:29:51
%: 18.4000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			Nov	warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTI	NGS LIST NAME AND SOURCE		NOTIFICATION	N
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 12:29	
%: 16.4000 Gro	eenScreen: BM-U	RC: None	NANO: No	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	МАК		Carcinogen Group 3B - Evidence of carcinogeni but not sufficient for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List	
			Precautionary list avoidance	of substances recommended for
RESTRICTED LIST	Green Science Policy Institute	e (GSPI)	GSPI - Six Classe	es Precautionary List
			Bisphenols and P	hthalates
RESTRICTED LIST	International Living Future Ins	titute (ILFI)	Living Building Ch Chemicals - Effec	allenge 4.0 - Red List of Materials & tive April 1, 2024
			Red List substand V4.0 projects	es to avoid in Living Building Challeng

SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential

AMINATING ADHESIVE	%: 1.2100				
RODUCT THRESHOLD: 1000	OPP RESIDUALS AND IMPURITIES E	VALUATION	COMPLETED: Yes	MATERIAL TY	PE: Polymeric Materia
ESIDUALS AND IMPURITIES N	NOTES: Residuals and Impurities were ev	aluated and	determined to be bel	ow the 1,000 ppm t	hreshold.
OTHER MATERIAL NOTES:					
UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZARD SC	CREENING DATE:	2024-10-18 12:29:52
%: 60.0000 - 80.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE F	ROLE: Diluent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warr	nings found on HPD	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Ad	dditional Hazard Lists
SUBSTANCE NOTES: Substa	ance is the intellectual property of the supp	blier and con	fidential		
UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZARD SC	CREENING DATE:	2024-10-18 12:29:53
%: 5.0000 - 25.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE F	ROLE: Carrier
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warr	nings found on HPD	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
EXEMPT	European Union / European Comm	nission (EU	EU - REACH Exem	nptions	
	EC)		Exempted from RE safety	ACH Annex IV listi	ng due to intrinsic
SUBSTANCE NOTES: Substa	ance is the intellectual property of the supp	blier and con	fidential		
UNDISCLOSED					ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library		HAZARD SC	CREENING DATE:	2024-10-18 12:29:53
%: 5.0000 - 15.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE F	ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION			
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List			
		Some Solvents			
SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential					
CORK STRIP FOR MAP RAIL	%: 0.7300				
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION Yes	DN COMPLETED: MATERIAL TYPE: Other Biological Material			

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

ID: 61789-98-8

SUBSTANCE ROLE: Filler
ings found on HPD Priority Hazard
istings found on Additional Hazard
ectly from supplier's HPD, D9CBB61.jpg
=

CORK SHEET BINDER		ID: 112898-4 4		
HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZARD S	CREENING DATE: 2024-10-18 12:29:52
%: 0.0000 - 43.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No war	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

SUBSTANCE NOTES: Composition: Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'methylenebis[isocyanatobenzene]. Weight % range is reported directly from supplier's HPD, https://hpdrepository.hpdcollaborative.org/repository/HPDThumbnails/7CCC777E07881E0D9213B78C9D9CBB61.jpg

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Librar	У	HAZARD S	CREENING DATE: 2024-10-18 12:29:
%: 32.0000 - 36.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No war	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

HOULDER BOLTS	%: 0.4600					
RODUCT THRESHOLD: 1000	ppm RESIDUALS AND IMPUR	ITIES EVALUAT	ION COMPLETED	D: Yes	MATERIAL	TYPE: Metal
RESIDUALS AND IMPURITIES	NOTES: Residuals and Impurities were	e evaluated and	determined to be	below the 1,0	00 ppm thresho	ld.
THER MATERIAL NOTES:						
IRON, ELEMENTAL						ID: 7439-89-6
HAZARD DATA SOURCE: PI	haros Chemical and Materials Librar	у	HAZARD	SCREENING	DATE: 2024-	10-18 12:29:53
%: 97.9400 Gre	eenScreen: LT-P1	RC: None	NANO: No S	SUBSTANCE	ROLE: Structu	re component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
END	TEDX - Potential Endocrine Dis	sruptors	Potential Endoc	rine Disruptor		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	l		
None found			1	No listings fou	ind on Additiona	I Hazard Lists
SUBSTANCE NOTES:						
	%: 0.2700 ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities were				RIAL TYPE: Po 00 ppm thresho	-
RODUCT THRESHOLD: 1000	ppm RESIDUALS AND IMPURITIE				00 ppm thresho	ld.
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER	ppm RESIDUALS AND IMPURITIE	e evaluated and	determined to be	below the 1,0	00 ppm thresho	ld. ID: 32131-17-2
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER	ppm RESIDUALS AND IMPURITIE	e evaluated and	determined to be	below the 1,0	00 ppm thresho	ld. ID: <mark>32131-17-2</mark> 10-18 12:29:54
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer	e evaluated and 7 y	determined to be HAZARD	below the 1,0	00 ppm thresho	ld. ID: <mark>32131-17-2</mark> 10-18 12:29:54
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS	below the 1,0 SCREENING SUBSTAN	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS	below the 1,0 SCREENING SUBSTAN(varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:5 4 mer species y Hazard Lists
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES OTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE	e evaluated and 7 y	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
RODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES DTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES:	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE LIST NAME AND SOURCE %: 0.1800	e evaluated and	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTAN varnings found	00 ppm thresho	ld. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists
RODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES DTHER MATERIAL NOTES: PA66 POLYMER HAZARD DATA SOURCE: PI %: 99.0000 - 100.0000 HAZARD TYPE None found ADDITIONAL LISTINGS None found SUBSTANCE NOTES:	ppm RESIDUALS AND IMPURITIE NOTES: Residuals and Impurities wer haros Chemical and Materials Librar GreenScreen: LT-UNK LIST NAME AND SOURCE LIST NAME AND SOURCE %: 0.1800	e evaluated and Ty RC: None ITIES EVALUAT	determined to be HAZARD NANO: No WARNINGS No w NOTIFICATION	below the 1,0 SCREENING SUBSTANG varnings found I No listings fou	00 ppm thresho a DATE: 2024- CE ROLE: Poly d on HPD Priorit und on Additional	Id. ID: 32131-17-2 10-18 12:29:54 mer species y Hazard Lists Il Hazard Lists

IRON, ELEMENTAL

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZAR	RD SCREENING DATE: 2024-10-18 12:29:52
%: 60.0000 - 89.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Di	sruptors	Potential End	locrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	NC
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Weight % range is reported directly from supplier's SDS and exceeds typical inventory weight percentages as a means to protect IP.

MYLAR BACKING	%: 0.1100			
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES	EVALUATION	COMPLETED: Ye	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTE	ES: Residuals and Impurities were	evaluated and	determined to be b	elow the 1,000 ppm threshold.
OTHER MATERIAL NOTES:				
POLYESTER				ID: 25038-59-9
HAZARD DATA SOURCE: Pharos	Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 12:29:53
%: 99.0000 GreenSc	reen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wa	rnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			Ν	o listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

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

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All facilities CERTIFICATE URL: ISSUE DATE: 2023-06-09 00:00:00 EXPIRY DATE: CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES:

🕒 Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

HPD applicable to all available sizes

MANUFACTURER INFORMATION

MANUFACTURER: Claridge Products ADDRESS: 480 Wrangler Drive Suite 200 Coppell, Texas 75019 COUNTRY: USA WEBSITE: https://www.calyxbyclaridge.com/ CONTACT NAME: Rick Gomory TITLE: Marketing Content and Sustainability Manager PHONE: 800-364-2422 EMAIL: rgomory@claridgeproducts.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

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

GreenScreen (GS)

PreC Pre-consumer recycled contentPostC Post-consumer recycled contentUNK Inclusion of recycled content is unknownNone Does not include recycled content

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)

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 TranslatorTM, 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

Horizontal Sliding System

for compliance with the HPD standard noted.