created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 862934505472

CLASSIFICATION: 10 11 33.23 Vertical-Sliding Visual Display Units

PRODUCT DESCRIPTION: Vertical Sliding Units offer ideal visual communication solutions where large visual display surfaces are required but space is

limited. Our Vertical Sliding Systems feature elegant surfaces that deliver great writing experiences and will stand the test of time.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

Nested Materials Method

C Basic Method

Threshold Disclosed Per

Material

Product

Threshold Level

C 100 ppm

C Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed in 15 of 15 Materials

Explanation(s) provided for Residuals/Impurities?

Yes ○ No

For all contents above the threshold, the manufacturer has:

Characterized

Yes ○ No

Provided weight and role.

Screened

Yes ○ No

Provided screening results using HPDC-approved methods.

Identified

○ Yes ⊙ No

Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

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

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR **IMPURITY**

GREENSCREEN SCORE | HAZARD TYPE

ALUMINUM TRIM [ALUMINUM NoGS | END | MAM | PHY MAGNESIUM NoGS | PHY | MAM | SKI | EYE SILICON, ELEMENTAL NOGS | HOT ROLL ROUND BAR WEIGHT [IRON OXIDE NoGS * | CAN | MAM NICKEL NoGS | CAN | MUL | RES | MAM | SKI | AQU MANGANESE NoGS | END | MUL | REP | MAM | AQU CHROMIUM NoGS | END | SKI | MAM | REP | RES SILICON, ELEMENTAL NoGS CARBON BLACK NoGS * | CAN | EYE | MAM | PHY MOLYBDENUM NoGS | MAM | SKI | REP] PARTICLE BOARD [LIGNO-CELLULOSIC MATERIALS NoGS UREA, POLYMER WITH FORMALDEHYDE NoGS | SKI UREA, POLYMER WITH FORMALDEHYDE AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE NoGS FORMALDEHYDE-MELAMINE POLYMER NoGS AMMONIUM SULFATE NoGS | END TITANIUM DIOXIDE NoGS * | CAN | END | MAM UREA NoGS | EYE CARBON BLACK NoGS * | CAN | EYE | MAM | PHY SLACK WAX (PETROLEUM) NoGS | CAN | MUL | DEV] PORCELAIN STEEL WRITING SURFACE [UNDISCLOSED NoGS UNDISCLOSED BM-1 | REP | MUL | MAM | SKI | EYE UNDISCLOSED BM-1 | CAN | MAM UNDISCLOSED BM-3dg | CAN | MAM UNDISCLOSED BM-1 | END | MUL | AQU | MAM | REP UNDISCLOSED BM-2 | MAM UNDISCLOSED LT-P1 | MUL | AQU | MAM | EYE UNDISCLOSED BM-1 | MUL | EYE | MAM | GEN | REP UNDISCLOSED LT-1 | CAN | RES | GEN | SKI UNDISCLOSED LT-P1 | SKI | EYE | 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 NOGS | END MANGANESE NoGS | END | MUL | REP | MAM | AQU CHROMIUM NoGS | END | SKI | MAM | REP | RES ZINC, ELEMENTAL NOGS | MUL | AQU SILICON, ELEMENTAL NoGS COPPER NoGS | MUL | AQU | MAM ALUMINUM

NoGS | END | MAM | PHY HYDROCHLORIC ACID NoGS | MAM | SKI | EYE | AQU NICKEL NOGS | CAN | MUL | RES | MAM | SKI | AQU BORON NoGS | MAM MOLYBDENUM NoGS | MAM | SKI | REP]

Number of Greenscreen BM-4/BM3 contents ... 2

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.

HONEYCOMB CORE [CELLULOSE NoGS | CAN WATER NOGS]
ROUND LEAD BAR WEIGHT [LEAD NOGS | END | PBT | MUL | CAN |
DEV | REP | GEN | AQU | MAM] LAMINATING ADHESIVE [
UNDISCLOSED NOGS UNDISCLOSED NOGS UNDISCLOSED NOGS |
MUL] PULLEY CABLE [IRON, ELEMENTAL NOGS | END] WHEEL
BEARINGS [IRON, ELEMENTAL NOGS | END] WEIGHT SLEEVE [
UNDISCLOSED NOGS] SNAP RINGS [IRON, ELEMENTAL NOGS |
END] HEX CAP SCREWS [IRON, ELEMENTAL NOGS | END] BALL
BEARING SHEAVES [IRON, ELEMENTAL NOGS | END] EYEBOLTS [
IRON, ELEMENTAL NOGS | END]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

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

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER: VERIFICATION #: SCREENING DATE: 2024-10-17 PUBLISHED DATE: 2024-10-18 EXPIRY DATE: 2027-10-17

Section 2: Content in Descending Order of Quantity

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

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

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

ALUMINUM TRIM %: 25.2900

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:

ALUMINUM				ID: 7429-90-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50			
%: 97.3000 - 99.3500	GreenScreen: NoGS	RC: Both	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE			
END	TEDX - Potential Endocrine Dis	TEDX - Potential Endocrine Disruptors		locrine Disruptor	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicit following repeated exposure - Category 1]		
MAM	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
PHY	GHS - Japan	GHS - Japan		H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]	
PHY	GHS - Malaysia			es fire spontaneously if exposed to air quids; Pyrophoric solids - Category 1]	
PHY	GHS - Australia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		
PHY	GHS - New Zealand		Pyrophoric solids category 1		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	ON	
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	ation Institute		l v4.0 Product Standard Restricted List (RSL) - Effective July 1, 2022	
			Biological and	d Environmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products Innov (C2CPII)	ation Institute		v4.0 Product Standard Restricted List (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 ID: 7439-95-4

AZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:0			
%: 0.4500 - 0.9000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE	<u> </u>	WARNINGS		
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1		H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtu which, in contact with water, emit flammable gases - Category 1]		
PHY	EU - GHS (H-Statements)	Annex 6 Table 3-1		fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]	
MAM	GHS - Japan		•	se respiratory irritation [Specific target Single exposure - Category 3]	
PHY	GHS - Australia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]		
SKI	GHS - Japan		H315 - Causes s Category 2]	skin irritation [Skin corrosion / irritation -	
PHY	GHS - Australia		which may ignite	ct with water releases flammable gases e spontaneously [Substances and mixtures t with water, emit flammable gases -	
EYE	GHS - Japan		H319 - Causes s eye irritation - Ca	serious eye irritation [Serious eye damage / ategory 2A]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	.	NOTIFICATION		
None found			N	No listings found on Additional Hazard Lists	

SILICON, ELEMENTAL				ID: 7440-21-3
HAZARD DATA SOURCE: P	Pharos Chemical and Materials Librar	у	HAZARI	O SCREENING DATE: 2024-10-17 8:50:01
%: 0.2000 - 0.6000	GreenScreen: NoGS	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			N	No listings found on Additional Hazard Lists

HOT ROLL ROUND BAR WEIGHT

%: 23.4400

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 OXIDE ID: 1309-37-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZ	ARD SCREENING DATE: 2024-10-17 8:50:01
%: 94.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**	
MAM	GHS - Japan		repeated exp	es damage to organs through prolonged or cosure [Specific target organs/systemic toxicity eated exposure - Category 1]**
МАМ	GHS - Japan			es damage to organs [Specific target mic toxicity following single exposure - *
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATI	ON
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.

NICKEL ID: 7440-02-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:01

%: 0.0000 - 2.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	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	MAK	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]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
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:

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:0			
%: 0.0000 - 1.6500	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURC	E	WARNINGS		
END	TEDX - Potential Endocrin	e Disruptors	Potential Endocr	rine Disruptor	
MUL	German FEA - Substances Waters	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters	
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]		
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
MAM	GHS - Australia	GHS - Australia		damage to organs through prolonged or ure [Specific target organ toxicity - ure - Category 1]	
AQU	GHS - New Zealand	GHS - New Zealand		e aquatic environment - chronic category 3	
AQU	GHS - Japan	GHS - Japan		aquatic life [Hazardous to the aquatic ute) - Category 2]	
AQU	GHS - Japan			aquatic life with long lasting effects ne aquatic environment (chronic) -	

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:

CHROMIUM

AZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:0			
%: 0.0000 - 1.2000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disr	uptors	Potential Endocr	rine Disruptor	
SKI	MAK		Sensitizing Subs	stance Sh - Danger of skin sensitization	
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
REP	GHS - New Zealand		Reproductive toxicity category 2		
RES	GHS - Japan		H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innova (C2CPII)	ation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022	
			Biological and E	nvironmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products Innova (C2CPII)	ation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022	
			Children's Produ	octs	
RESTRICTED LIST	Cradle to Cradle Products Innova (C2CPII)	ation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022	
			Cosmetics & Per	rsonal Care Products	

SILICON, ELEMENTAL ID: 7440-21-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:02

SUBSTANCE NOTES:

ID: 7440-47-3

%: 0.0000 - 1.0000	GreenScreen: NoGS	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			N	No listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

CARBON BLACK

ID: 1333-86-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:02

HAZARD DATA SOURCE: F	Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-		
%: 0.0000 - 1.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Tensile strength additive	
HAZARD TYPE	LIST NAME AND SOURCE		WARNING	gs .	
CAN	US CDC - Occupational Carcinoge	ens	Occupatio	nal Carcinogen**	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effect but not sufficient for classification**		
CAN	CA EPA - Prop 65		Carcinoge	n - specific to chemical form or exposure route**	
CAN	IARC			Group 2b - Possibly carcinogenic to humans**	
EYE	GHS - New Zealand	GHS - New Zealand		on category 2**	
CAN	GHS - New Zealand	GHS - New Zealand		nicity category 2**	
CAN	GHS - Japan		H351 - Su Category 2	spected of causing cancer [Carcinogenicity -	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonge repeated exposure [Specific target organs/systemic following repeated exposure - Category 1]**		
PHY	GHS - Japan			If-heating;; may catch fire [Self-heating s and mixtures - Category 1]**	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICA	TION	
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.

MOLYBDENUM ID: 7439-98-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:02

%: 0.0000 - 1.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Tensile strength additive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - New Zealand	Reproductive toxicity category 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

PARTICLE BOARD

%: 19.0000

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

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ary	HAZA	ARD SCREENING DATE: 2024-10-17 8:50:05
%: 80.0000 - 92.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No	o warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
EXEMPT	European Union / European (EC)	Commission (EU	EU - REACH	Exemptions
	20)		Exempted fro safety	om REACH Annex IV listing due to intrinsic
SUBSTANCE NOTES:				

UREA, POLYMER WITH FORMALDEHYDE

ID: 9011-05-6

	SKI	GHS - New Zealand		Skin sensitisation category 1	
	HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
	%: 0.0000 - 17.2000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZAKL	O SCREENING DATE: 2024-10-17 8:50:05

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	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:		

UREA, POLYMER WITH FORMALDEHYDE AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE

ID: 25036-13-9

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ry	HAZAR	D SCREENING DATE: 2024-10-17 8:50:05
%: 2.0000 - 17.0000	GreenScreen: NoGS	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	1
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List	
			Precautionary I avoidance	ist of substances recommended for
RESTRICTED LIST	International Living Future Inst	itute (ILFI)	0 0	Challenge 4.0 - Red List of Materials & ective April 1, 2024
			Red List substated V4.0 projects	unces to avoid in Living Building Challenge
SUBSTANCE NOTES:				

FORMALDEHYDE-MELAMINE POLYMER

ID: 9003-08-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-17 8:50:05		
%: 0.0000 - 2.8000	GreenScreen: NoGS	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
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 Librar	у	HAZAR	D SCREENING DATE: 2024	l-10-17 8:50:05	
%: 0.0000 - 2.3000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Poly	mer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
END	TEDX - Potential Endocrine Dis	ruptors	Potential Endoc	rine Disruptor		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute ((GSPI)	GSPI - Six Classes Precautionary List			
			Antimicrobials			
RESTRICTED LIST	Cradle to Cradle Products Inno (C2CPII)	vation Institute		4.0 Product Standard Restrict (RSL) - Effective July 1, 202		
			Biological and E	Environmentally Released Ma	terials	

TITANIUM DIOXIDE			ID: 13463-67-7	
HAZARD DATA SOURCE:	Pharos Chemical and Materials L	ibrary	HAZARD	SCREENING DATE: 2024-10-17 8:50:05
%: 0.0000 - 1.5500	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

SUBSTANCE NOTES:

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS	
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**	
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**	
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**	
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**	
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor**	
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**	
CAN	IARC	Group 2b - Possibly carcinogenic to humans**	
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**	
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**	
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
		Children's Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
		Formulated Consumer Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
		Cosmetics & Personal Care Products	
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)	

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 Library

HAZARD SCREENING DATE: 2024-10-17 8:50:05

**O.0300 - 1.1000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials
SUBSTANCE NOTES:		

CARBON BLACK ID: 1333-86-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:06			
%: 0.0000 - 1.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	US CDC - Occupational Card	cinogens	Occupational Card	cinogen**	
CAN	MAK	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**	
CAN	CA EPA - Prop 65	CA EPA - Prop 65		eific to chemical form or exposure route**	
CAN	IARC	IARC		Group 2b - Possibly carcinogenic to humans**	
EYE	GHS - New Zealand	GHS - New Zealand		Eye irritation category 2**	
CAN	GHS - New Zealand	GHS - New Zealand		Carcinogenicity category 2**	
CAN	GHS - Japan	GHS - Japan		of causing cancer [Carcinogenicity -	
MAM	GHS - Japan		repeated exposure	mage to organs through prolonged or e [Specific target organs/systemic toxicity exposure - Category 1]**	
PHY	GHS - Japan	GHS - Japan		g;; may catch fire [Self-heating ixtures - 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: 64742-61-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:05

%: 0.1000 - 1.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
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
CLIDSTANICE NOTES:		

SUBSTANCE NOTES:

PORCELAIN STEEL WRITING SURFACE %: 13.8900

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Ceramic

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were evaluated and determined to be below the 1,000 ppm threshold. Supplier provided the substance composition ranges as shown and the ranges exceed typical inventory weight percentages as a means to protect IP.

OTHER MATERIAL NOTES:

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURC	E: Pharos Chemical and Materials Library		HAZA	ARD SCREENING DATE: 2024-10-18 9:54:18
%: 95.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No	o warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	S LIST NAME AND SOURCE		NOTIFICATION	NO
None found				No listings found on Additional Hazard Lists

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE:	RD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 10:48:46		
%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
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 dai reproduction - 0	mage fertility or the unborn child [Toxic to Category 1B]	
REP	GHS - Australia		-	damage fertility. May damage the unborn ctive toxicity - Category 1A or 1B]	
REP	GHS - Korea		-	mage fertility or the unborn child oxicity - Category 1]	
REP	EU - GHS (H-Statements) Ann	ex 6 Table 3-1	-	damage fertility. May damage the unborn ctive toxicity - Category 1A or 1B]	
MAM	GHS - Japan		•	use respiratory irritation [Specific target Single exposure - Category 3]	
SKI	GHS - New Zealand		Skin irritation ca	ategory 2	
EYE	GHS - New Zealand		Eye irritation ca	ategory 2	
EYE	GHS - Japan		H319 - Causes eye irritation - C	serious eye irritation [Serious eye damage / Category 2A]	
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 CMF	ßs.	Reproductive to	oxicants: Category 1B	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	V	
RESTRICTED LIST	Green Science Policy Institute	(GSPI)	GSPI - Six Clas	sses Precautionary List	
			Antimicrobials		
RESTRICTED LIST	Cradle to Cradle Products Inno (C2CPII)	ovation Institute		4.0 Product Standard Restricted t (RSL) - Effective July 1, 2022	
			Biological and I	Environmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products Inno (C2CPII)	ovation Institute		4.0 Product Standard Restricted t (RSL) - Effective July 1, 2022	
			Children's Prod	ucts	
RESTRICTED LIST	Cradle to Cradle Products Inno (C2CPII)	ovation Institute		4.0 Product Standard Restricted t (RSL) - Effective July 1, 2022	
			Formulated Co	nsumer Products	

HAZARD DATA SOURCE: P	haros Chemical and Materials Library	y	HAZARI	SCREENING DATE:	2024-10-18 10:48:17
%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROL	E: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	GHS - Japan		H350 - May ca	use cancer [Carcinoge	nicity - Category 1A]
CAN	GHS - Australia		H350i - May ca Category 1A or	use cancer by inhalation 1B]	on [Carcinogenicity -
MAM	GHS - Japan			use respiratory irritation Single exposure - Cat	
MAM	GHS - Japan		repeated expos	damage to organs thr sure [Specific target or ted exposure - Catego	gans/systemic toxicity
MAM	GHS - Australia		repeated expos	damage to organs thr sure [Specific target or sure - Category 1]	• .
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N	
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Clas	sses Precautionary Lis	t
			Antimicrobials		

HAZARD DATA SOURCE: F	Pharos Chemical and Materials Librar	y	HAZARD	SCREENING DATE: 2024-10-18 10:57:07
%: 0.0000 - 5.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	MAK		Carcinogen Gro	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	1
None found				No listings found on Additional Hazard Lists

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARE	O SCREENING DATE: 2024-10-18 10:49:46	
%: 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	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	1
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.

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARI	O SCREENING DATE: 2024-10-18 10:50:36	
%: 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	varnings 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.

UNDISCLOSED		ID: Undisclose		
HAZARD DATA SOURCE: F	Pharos Chemical and Materials Librar	у	HAZARD	O SCREENING DATE: 2024-10-18 10:51:08
%: 0.0000 - 5.0000 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	1
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.

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 10:52:31		
%: 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	damage to organs through prolonged or sure [Specific target organs/systemic toxicity sted exposure - Category 1]
MAM	GHS - Japan			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 - 0	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	V
RESTRICTED LIST	Green Science Policy Institute (G	SSPI)	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: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 10:53:17		
	%: 0.0000 - 5.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - 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 Libra	ary	HAZARD	O SCREENING DATE: 2024-10-18 10:53:54
%: 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	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (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		HAZARD	O SCREENING DATE: 2024-10-18 10:54:25
%: 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 Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
EYE	GHS - New Zealand	Eye irritation 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 - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Antimicrobials

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Libra	ry	HAZARD	O SCREENING DATE: 2024-10-18 10:54:52
%: 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
МАМ	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]
МАМ	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
MAM	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

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE:	Pharos Chemical and Materials Li	brary	HAZARI	O SCREENING DATE: 2024-10-18 10:55:43
%: 0.0000 - 5.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
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:	Pharos Chemical and Materials Li	brary	HAZARI	O SCREENING DATE:	2024-10-18 10:56:33
%: 0.0000 - 5.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLI	E: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE	=	WARNINGS		
SKI	EU - GHS (H-Statements)	Annex 6 Table 3-1		severe skin burns and ion - Category 1A or 1E	, , ,
EYE	GHS - New Zealand		Serious eye da	mage category 1	
EYE	GHS - Japan		H318 - Causes eye irritation - 0	serious eye damage [S Category 1]	Serious eye damage /
SKI	GHS - Japan			severe skin burns and ation - Category 1]	eye damage [Skin
SKI	GHS - Australia			severe skin burns and ion - Category 1A or 1E	
SKI	GHS - Korea			severe skin burns and ion - Category 1]	eye damage [Skin
SKI	GHS - New Zealand		Skin corrosion	category 1B	
MAM	Québec CSST - WHMIS 19	988	Class D1A - Ve serious toxic ef	ery toxic material causir fects	ng immediate and
MAM	GHS - Korea		H330 - Fatal if Category 2]	inhaled [Acute toxicity (inhalation) -

None found No listings found on Additional Hazard Lists

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

ADDITIONAL LISTINGS

UNDISCLOSED ID: Undisclosed

AZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 11:07:48		
%: 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 Car	cinogens	Occupationa	l Carcinogen**
CAN	CA EPA - Prop 65		Carcinogen -	specific to chemical form or exposure route**
CAN	US NIH - Report on Carcino	gens	Known to be occupational	Human Carcinogen (respirable size - setting)**
CAN	MAK		Carcinogen (Group 1 - Substances that cause cancer in
CAN	IARC		Group 1 - Ag	ent is carcinogenic to humans - inhaled from sources**
CAN	IARC		Group 1 - Ag	ent is Carcinogenic to humans**
CAN	US NIH - Report on Carcino	gens	Known to be	a human Carcinogen**
CAN	GHS - Japan		H350 - May (cause cancer [Carcinogenicity - Category
CAN	GHS - Australia		H350i - May Category 1A	cause cancer by inhalation [Carcinogenicity - or 1B]**
CAN	GHS - New Zealand		Carcinogenio	city category 1**
MAM	GHS - Japan		repeated exp	es damage to organs through prolonged or posure [Specific target organs/systemic toxicity eated exposure - Category 1]**
GEN	GHS - Japan		-	ected of causing genetic defects [Germ cell - Category 2]**
MAM	GHS - Australia		repeated exp	es damage to organs through prolonged or posure [Specific target organ toxicity - posure - Category 1]**
MAM	GHS - New Zealand		Specific target organ toxicity - repeated exposure category 1**	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATI	ON
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: Pha	ros Chemical and Materials Lib	orary	HAZARI	O SCREENING DATE: 2024-10-18 11:05:51
%: 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	Disruptors	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 damage fertility or the unborn child [Toxic to reproduction - Category 1B]	
REP	GHS - Australia		-	damage fertility. May damage the unborn ctive toxicity - Category 1A or 1B]
REP	EU - GHS (H-Statements) A	nnex 6 Table 3-1	-	damage fertility. May damage the unborn ctive toxicity - Category 1A or 1B]
MAM	GHS - Japan			use respiratory irritation [Specific target Single exposure - Category 3]
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
MAM	GHS - Japan		repeated expos	damage to organs through prolonged or sure [Specific target organs/systemic toxicity ted exposure - Category 1]
MAM	GHS - Japan			damage to organs [Specific target ic toxicity following single exposure -
SKI	GHS - Japan		H315 - Causes Category 2]	skin irritation [Skin corrosion / irritation -
REP	GHS - New Zealand		Reproductive to	oxicity 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 CN	MRs	Reproductive to	oxicants: 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.

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Librar	У	HAZARD S	CREENING DATE: 2024-10-18 11:10:30
%: 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

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

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

UNDISCLOSED		ID: Undisclosed			
HAZARD DATA SOURCE:	Pharos Chemical and Materials L	ibrary	HAZARD S	HAZARD SCREENING DATE: 2024-10-18 11:09:17	
%: 0.0000 - 1.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		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

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	s Chemical and Materials Library		CREENING DATE: 2024-10-18 11:04:43
%: 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 cated	gory 2
EYE	GHS - New Zealand		Eye irritation categ	ory 2
EYE	GHS - Japan		H318 - Causes ser eye irritation - Cate	rious eye damage [Serious eye damage / egory 1]
SKI	GHS - Japan		H314 - Causes ser 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

 ${\small \texttt{SUBSTANCE NOTES: Substance is the intellectual property of the supplier and confidential}}\\$

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

UNDISCLOSED	ID: Undisclosed
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HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD SC	REENING DATE: 2024-10-18 11:03:32
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

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

HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZARD S	SCREENING DATE:	2024-10-18 11:14:34
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE RO	DLE: 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 Co	European Union / European Commission (EU FC)		emptions	
	/		Exempted from F safety	REACH Annex IV listii	ng due to intrinsic
POSITIVE LIST	US Environmental Protection A	gency (US	US EPA - DfE Sa	afer Chemicals Ingred	lients list (SCIL)
	,		Chelating Agents	- Green Circle (Verif	ied Low Concern)

UNDISCLOSED			ID: Undisclosed			
HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ry	HAZARD S	HAZARD SCREENING DATE: 2024-10-18 11:16:13		
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment		

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
ADDITIONAL LISTINGS RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	NOTIFICATION C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
	Cradle to Cradle Products Innovation Institute	C2C Certified v4.0 Product Standard Restricted
	Cradle to Cradle Products Innovation Institute	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: P	haros Chemical and Materials Libra	ry	HAZARD S	SCREENING DATE: 2024-10-18 11:16:50
%: 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 f	o 3B - Evidence of carcinogenic effects or classification**
MAM	GHS - Japan		repeated exposur	amage to organs through prolonged or e [Specific target organs/systemic toxicity d exposure - Category 1]**
MAM	GHS - Japan			amage to organs [Specific target oxicity following single exposure -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	b listings found on Additional Hazard Lists

SUBSTANCE NOTES: Cobalt Aluminate

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: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 11:18:00 %: 0.0000 - 1.0000 ALT GreenScreen: LT-UNK RC: None NANO: **No** SUBSTANCE ROLE: Pigment HAZARD TYPE LIST NAME AND SOURCE **WARNINGS** No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** No listings found on Additional Hazard Lists None found

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

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 11:18:48 %: 0.0000 - 1.0000 ALT GreenScreen: LT-UNK RC: None SUBSTANCE ROLE: Pigment NANO: **No** HAZARD TYPE LIST NAME AND SOURCE WARNINGS None found No warnings found on HPD Priority Hazard Lists ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** None found No listings found on Additional Hazard Lists

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

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 11:19:40 %: 0.0000 - 1.0000 ALT GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Pigment HAZARD TYPE LIST NAME AND SOURCE WARNINGS No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** No listings found on Additional Hazard Lists None found

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

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 11:02:41 %: 0.0000 - 1.0000 ALT RC: None SUBSTANCE ROLE: Glaze GreenScreen: BM-3dg NANO: **No** HAZARD TYPE LIST NAME AND SOURCE WARNINGS None found No warnings found on HPD Priority Hazard Lists ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** No listings found on Additional Hazard Lists None found

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

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-18 11:01:52

%: 0.0000 - 1.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	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]
PHY	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

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 11:01:12			
%: 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 v	varnings found on HPD F	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	V	
None found				No listings found on Add	itional Hazard Lists

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

ALTERNATE: This substance is an alternate substance to Kaolin.

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 11:00:19		
%: 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	ategory 2	
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 Kaolin.

UNDISCLOSED ID: Undisclosed

CAN	MAK		_	up 3B - Evidence of carcinogenic effects t for classification
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD DATA SOURCE: P	haros Chemical and Materials Library		HAZARD	SCREENING DATE: 2024-10-18 10:59:46

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

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-18 10:59:06		
%: 0.0000 - 1.0000 ALT	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK		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	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 Titanium dioxide (Rutile).

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-18 10:58:13			
%: 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 Car	US CDC - Occupational Carcinogens		Occupational Carcinogen**	
CAN	CA EPA - Prop 65	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route**	
CAN	IARC	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**	
CAN	MAK	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N	
RESTRICTED LIST	Cradle to Cradle Products In (C2CPII)	nnovation Institute		4.0 Product Standard Restricted t (RSL) - Effective July 1, 2022	
			Cosmetics & Pe	ersonal Care Products	

**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 %: 10.0700

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 ID: 7439-89-6 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:11 %: 41.8000 - 61.2900 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Structure component HAZARD TYPE LIST NAME AND SOURCE **WARNINGS** END TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** None found No listings found on Additional Hazard Lists SUBSTANCE NOTES:

MANGANESE

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-17 8:50:11

%: 16.0000

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
SUBSTANCE NOTES:		

CHROMIUM				ID: 7440-47-3
HAZARD DATA SOURCE:	HAZARD DATA SOURCE: Pharos Chemical and Materials Library			O SCREENING DATE: 2024-10-17 8:50:11
%: 0.0100 - 12.5000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine	TEDX - Potential Endocrine Disruptors		rine Disruptor
SKI	MAK	MAK		stance Sh - Danger of skin sensitization
MAM	GHS - Japan	GHS - Japan		se respiratory irritation [Specific target Single exposure - Category 3]
REP	GHS - New Zealand	GHS - New Zealand		xicity category 2
RES	GHS - Japan		•	se allergy or asthma symptoms or lties if inhaled [Respiratory sensitization -

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST		
NESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
NESTRICTED EIST		
NESTRICTED EIST		Substances List (RSL) - Effective July 1, 2022

ZINC, ELEMENTAL				ID: 7440-66-
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50		
%: 10.0000 G	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Galvanizing
HAZARD TYPE	LIST NAME AND SOUR	CE	WARNINGS	
MUL	German FEA - Substance Waters	es Hazardous to	Class 3 - Severe	Hazard to Waters
AQU	GHS - New Zealand		Hazardous to the	aquatic environment - acute category 1
AQU	GHS - New Zealand		Hazardous to the	aquatic environment - chronic category 1
ADDITIONAL LISTINGS	LIST NAME AND SOUR	DE	NOTIFICATION	
RESTRICTED LIST	Green Science Policy Ins	titute (GSPI)	GSPI - Six Class	es Precautionary List
			Antimicrobials	
RESTRICTED LIST	Cradle to Cradle Products (C2CPII)	s Innovation Institute		0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and Er	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products (C2CPII)	s Innovation Institute		0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produc	cts

SILICON, ELEMENTAL				ID: 7440-21-3
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD	SCREENING DATE: 2024-10-17 8:50:11
%: 0.0000 - 5.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

IAZARD DATA SOURCE:	Pharos Chemical and Materials	HAZARD SCREENING DATE: 2024-10-17 8:5		
6: 3.5000 G	reenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOU	RCE	WARNINGS	
MUL	German FEA - Substan Waters	ces Hazardous to	Class 3 - Severe	Hazard to Waters
AQU	EU - GHS (H-Statemen	ts) Annex 6 Table 3-1		aquatic life with long lasting effects se 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 SOUI	RCE	NOTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautio	onary List
			Precautionary lis	et of substances recommended for
RESTRICTED LIST	Green Science Policy In	nstitute (GSPI)	GSPI - Six Class	ses Precautionary List
			Antimicrobials	
RESTRICTED LIST	Cradle to Cradle Production (C2CPII)	cts Innovation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Production (C2CPII)	cts Innovation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	icts

ALUMINUM ID: 7429-90-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:11

%: 3.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE		
END	TEDX - Potential Endocrine	Disruptors	Potential Endocr	rine Disruptor
MAM	GHS - Japan		repeated exposu	damage to organs through prolonged or ure [Specific target organs/systemic toxicity ed exposure - Category 1]
МАМ	GHS - Japan			damage to organs [Specific target toxicity following single exposure -
PHY	GHS - Japan		[Substances and	ot with water releases flammable gas d mixtures, which in contact with water, gases - Category 2]
PHY	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]
PHY	GHS - New Zealand		Pyrophoric solids	s category 1
ADDITIONAL LISTIN	IGS LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Ir (C2CPII)	nnovation Institute		I.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Ir (C2CPII)	nnovation Institute		I.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	ucts
SUBSTANCE NOTE	S:			

HYDROCHLORIC A	CID		ID: 7647-01-0		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-17 8:50		
%: 3.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Coating	
HAZARD TYPE	LIST NAME AND SOURC	E	WARNINGS		
MAM	US EPA - EPCRA Extrem Substances	US EPA - EPCRA Extremely Hazardous Substances		lous Substances	
SKI	EU - GHS (H-Statements)	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	EU - GHS (H-Statements)	EU - GHS (H-Statements) Annex 6 Table 3-1		naled [Acute toxicity (inhalation) -	
MAM	GHS - Japan	GHS - Japan		amage to organs through prolonged or e [Specific target organs/systemic toxicity d exposure - Category 1]	
MAM	GHS - Japan			amage to organs [Specific target oxicity following single exposure -	

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]
MAM	GHS - New Zealand	Acute inhalation toxicity category 2
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - 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
MAM	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]
MAM	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

NICKEL ID: 7440-02-0

⁄o: 1.0000 - 3.0000	GreenScreen: NoGS	· ·			
		RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Ca	rcinogens	Occupational Ca	rcinogen	
CAN	MAK		Carcinogen Grouman	up 1 - Substances that cause cancer in	
MUL	German FEA - Substances Waters	Hazardous to	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 Carcino	ogens	Known to be a hi	uman Carcinogen	
CAN	IARC		Group 2b - Possi	bly carcinogenic to humans	
CAN	US NIH - Report on Carcino	ogens	Reasonably Anti-	cipated to be Human Carcinogen	
RES	MAK	MAK		Sensitizing Substance Sah - Danger of airway & skin sensitization	
CAN	EU - GHS (H-Statements) A	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
MAM	EU - GHS (H-Statements) A	EU - GHS (H-Statements) Annex 6 Table 3-1		-1 H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]	
CAN	GHS - New Zealand	GHS - New Zealand		category 2	
CAN	GHS - Japan	GHS - Japan		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
MAM	GHS - Japan	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		lamage to organs through prolonged or re [Specific target organ toxicity - re - Category 1]	
MAM	GHS - Japan	GHS - Japan		lamage to organs [Specific target toxicity following single exposure -	
CAN	EU - Annex VI CMRs	EU - Annex VI CMRs		Carcinogen Category 2 - Suspected human Carcinogen	
SKI	GHS - New Zealand		Skin sensitisation	n category 1	
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	
CAN	GHS - Australia		H351 - Suspecte Category 2]	d of causing cancer [Carcinogenicity -	

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:		

BORON		ID: 7440-42-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:11		
%: 1.1000 Greens	Screen: NoGS RC	: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
МАМ	GHS - Japan		,	se damage to organs [Specific target toxicity following single exposure -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation (C2CPII)	Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation (C2CPII)	Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	icts

MOLYBDENUM ID: 7439-98-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:11		
%: 1.1000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - New Zealand	Reproductive toxicity category 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

HONEYCOMB CORE %: 4.0800

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.

CELLULOSE ID: 9004-34-6

HAZARD DATA SOURCE: P	haros Chemical and Materials Librar	У	HAZA	RD SCREENING DATE: 2024-10-17 8:50:12
%: 92.0000 - 98.0000	GreenScreen: NoGS	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	DN
None found				No listings found on Additional Hazard Lists

WATER ID: 7732-18-5 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:12 %: 6.0000 - 7.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Filler HAZARD TYPE LIST NAME AND SOURCE WARNINGS No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION EXEMPT** European Union / European Commission (EU EU - REACH Exemptions EC) Exempted from REACH Annex IV listing due to intrinsic safety

ROUND LEAD BAR WEIGHT %: 1.3900

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:

SUBSTANCE NOTES:

LEAD ID: 7439-92-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-10-17 8:50:11

Significant Source of the structure of the structure component of the structure c

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CAN	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
DEV	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
DEV	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REP	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
GEN	MAK	Germ Cell Mutagen 3a
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
CAN	GHS - Korea	H350 - May cause cancer [Carcinogenicity - Category 1]
REP	GHS - Korea	H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1]
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]
DEV	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B]
	EU - GHS (H-Statements) Annex 6 Table 3-1	H360FD - May damage fertility. May damage the unborn
REP	,	child [Reproductive toxicity - Category 1A or 1B]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	child [Reproductive toxicity - Category 1A or 1B] H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
		H400 - Very toxic to aquatic life [Hazardous to the aquatic
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) -

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]
GEN	GHS - Australia	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
GEN	GHS - New Zealand	Germ cell mutagenicity category 2
MAM	GHS - New Zealand	Acute oral toxicity category 3
REP	GHS - New Zealand	Effects on or via lactation
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
REP	EU - SVHC List	Toxic to reproduction - Candidate list
REP	EU - SVHC List	Toxic to reproduction - Prioritized for listing
REP	EU - REACH Annex XVII CMRs	Reproductive toxicants: Category 1A

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List
		Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List
		Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Core Restrictions
RESTRICTED LIST	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
		Footwear, Apparel & Jewelry Products
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

LAMINATING ADHESIVE %: 0.9200

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

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

OTHER MATERIAL NOTES:

UNDISCLOSED

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:11

%: 60.0000 - 80.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Diluent

ID: Undisclosed

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION	None found		No listings found on Additional Hazard List
No warnings found of HPD Filotity Hazard Lis	ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found	None found		No warnings found on HPD Priority Hazard List

HAZARD DATA SOURCE: I	Pharos Chemical and Materials Lib	rary	HAZARD S	SCREENING DATE:	2024-10-17 8:50:1
%: 5.0000 - 25.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE R	OLE: Carrier
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		
EXEMPT	European Union / European EC)	Commission (EU	EU - REACH Exer	nptions	
	,		Exempted from RE safety	EACH Annex IV listin	g due to intrinsic

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-10-17 8:50:		
%: 5.0000 - 15.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances H Waters	Hazardous to	Class 3 - Severe H	Hazard to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Green Science Policy Institu	te (GSPI)	GSPI - Six Classe	s Precautionary List
			Some Solvents	

PULLEY CABLE %: 0.4200

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				ID: 7439-89-6
HAZARD DATA SOURCE:	Pharos Chemical and Materials Librar	у	HAZA	ARD SCREENING DATE: 2024-10-17 8:50:12
%: 95.0000 - 99.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Dis	sruptors	Potential End	locrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	DN
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

WHEEL BEARINGS	%: 0.2800	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other: Metal and Polymeric Material
RESIDUALS AND IMPURITIES NO	OTES: Residuals and Impurities were evaluated and determined	I to be below the 1,000 ppm threshold.

OTHER MATERIAL NOTES:

IRON, ELEMENTAL				ID: 7439-89-6
HAZARD DATA SOURCE: P	haros Chemical and Materials Libra	ary	HAZA	ARD SCREENING DATE: 2024-10-17 8:50:13
%: 77.1800 - 85.6000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine D	Disruptors	Potential End	docrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	NO
None found				No listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

WEIGHT SLEEVE %: 0.2100

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

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

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Librar	у	HAZAR	RD SCREENING DATE: 2024-10-17 8:50:13
%: 97.0000 - 100.0000	GreenScreen: NoGS	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
None found				No listings found on Additional Hazard Lists

SNAP RINGS %: 0.1700

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

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 ID: 7439-89-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libra	ary	HAZA	ARD SCREENING DATE: 2024-10-17 8:50:14
%: 97.0000 - 99.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine D	isruptors	Potential End	docrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	ON
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

HEX CAP SCREWS %: 0.1500

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.

IRON, ELEMENTAL		ID: 7439-89-6			
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-10-17 8:50:14		
%: 98.5300	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Dis	ruptors	Potential End	locrine Disruptor	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N	
None found				No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:					

BALL BEARING SHEAVES %: 0.1500

PRODUCT THRESHOLD: 1000 RESIDUALS AND IMPURITIES EVALUATION MATERIAL TYPE: Other: Metal and Polymeric ppm

COMPLETED: Yes Material

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

OTHER MATERIAL NOTES:

IRON, ELEMENTAL ID: 7439-89-6 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2024-10-17 8:50:14 RC: None %: 83.5900 - 89.7300 GreenScreen: NoGS NANO: **No** SUBSTANCE ROLE: Structure component HAZARD TYPE WARNINGS LIST NAME AND SOURCE **END TEDX - Potential Endocrine Disruptors** Potential Endocrine Disruptor ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** None found No listings found on Additional Hazard Lists SUBSTANCE NOTES:

EYEBOLTS %: 0.1000

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.

IRON, ELEMENTAL ID: 7439-89-6

%: 99.8600	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure componer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Dis	ruptors	Potential End	locrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	DN
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

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

VOC EMISSIONS

SCS Indoor Advantage Gold - Classroom & Office scenario

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All facilities ISSUE DATE: 2023-06-09 00:00:00 **EXPIRY DATE:**

CERTIFIER OR LAB: SCS Global

Services

CERTIFICATE URL:



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 Gomorv

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.

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity **GEN** Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard 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

