Yes ○ No.

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 2972777660416 CLASSIFICATION: 12 52 13 Chairs

PRODUCT DESCRIPTION: Diffrient World is Humanscale's first foray into all-mesh task seating. Designer Niels Diffrient wanted to create the most minimal, full-function task chair ever made. With an innovative tri-panel mesh backrest that provides custom back and lumbar support and a lightweight design, Diffrient World is, like all of Humanscale's products, simple, beautiful and functional. The design eliminates the need for traditional mechanisms, instead using the laws of physics and the sitter's body weight to offer perfect recline for each individual sitter. Diffrient World offers the ultimate user-friendly sitting experience.

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 1,000 ppm C Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed in 10 of 19 Materials

Explanation(s) provided for Residuals/Impurities?

Yes ○ No

For all contents above the threshold, the manufacturer has:

Characterized 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

UNDISCLOSED [NYLON 6 LT-UNK GLASS / MINERAL FIBER LT-UNK CARBON BLACK BM-1 | CAN | EYE | MAM] NYLFOR-FP63E30HB NA 0001 [NYLON 6 LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | STEEL [STEEL NoGS] UNDISCLOSED [NYLON 6 LT-UNK GLASS / MINERAL FIBER LT-UNK CARBON BLACK BM-1 | CAN | EYE | MAM ZINC SULFIDE LT-UNK 14H-ANTHRA[2,1,9-MNA]THIOXANTHEN-14-ONE BM-1 | MUL] ALUMINIUM A380.0-F [ALUMINUM (ALUMINUM) BM-1 | END | PHY | MAM SILICON LT-UNK COPPER LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI ZINC LT-P1 | END | MUL | PHY | AQU MANGANESE LT-P1 | END | MUL | REP | MAM | AQU NICKEL LT-1 | CAN | RES | MUL | MAM | SKI | AQU TIN LT-P1 | EYE | MAM | AQU] TPU [POLYURETHANE LT-P1 | EYE | MAM | AQU] ADC 12 [ALUMINUM NoGS | END | PHY | MAM SILICON LT-UNK COPPER LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI ZINC LT-P1 | END | MUL | PHY | AQU IRON LT-P1 | END MANGANESE LT-P1 | END | MUL | REP | MAM | AQU NICKEL LT-1 | CAN | RES | MUL | MAM | SKI | AQU 7//VLT-P1 | EYE | MAM | AQU MAGNESIUM LT-UNK | PHY | SKI | NYLON 6 [HEXANEDIOIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 1,6-HEXANEDIAMINE LT-UNK POLYETHYLENE LT-UNK ZINC STEARATE LT-UNK | AQU | 6063-T5 **ALUMINUM [ALUMINUM ALLOY, NONBASE, AL, CO, MO NoGS]** MESH_MONOFILAMENT STRIPE BLACK [TETRAHYDROFURAN LT-1 | END | CAN | EYE | PHY | SKI | MAM | REP NYLON 6 LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-P1 | UNDISCLOSED [PROPYLENE BM-U | END | PHY ETHYLENE LT-UNK | CAN | PHY TALC BM-1 | CAN | MAM CALCIUM STEARATE LT-UNK TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE LT-UNK | PBT ANOX 20 LT-UNK

UNDISCLOSED [1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE

Number of Greenscreen BM-4/BM3 contents ... 0

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

LT-P1, BM-1, LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Some of the materials names are not disclosed to protect the proprietary information of our supply chain.

LT-UNK | UNDISCLOSED | NYLON 6 LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK POLYURETHANE FOAM [POLYURETHANE FOAMS LT-UNK] BRONZE [BRONZE NoGS] UNDISCLOSED [CARBON BLACK BM-1 | CAN | EYE | MAM ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK | UNDISCLOSED | NYLON 6 LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK POLY((6-((1,1,3,3-TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4- DIYL)((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6- HEXANEDIYL((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)) NoGS N,N'-HEXANE-1,6-DIYLBIS[3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYLPROPIONAMIDE] LT-UNK TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE LT-UNK PBT J UNDISCLOSED [NYLON 6 LT-UNK CAPROLACTAM LT-UNK | SKI | EYE | MAM | REP] UNDISCLOSED [BARIUM SULFATE BM-2 | CAN | MAM TITANIUM DIOXIDE LT-1 | CAN | END | MAM]

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

Multi-attribute: BIFMA Furniture Sustainability Level 3 (e3-2014)

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: 2023-08-18 PUBLISHED DATE: 2023-08-18 EXPIRY DATE: 2026-08-18

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

UNDISCLOSED %: 52.6600 - 52.6600

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered

OTHER MATERIAL NOTES: Seat Frame, Back Frame and etc. Pre-consumer recycled content is used.

NYLON 6 ID: 25038-54-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:02 %: 59.6000 - 67.7500 GreenScreen: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Polymer species **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: Range is calculated based on expected variation of other components. This product contains recycled post industrial nylon 6.

GLASS / MINERAL FIBER ID: 65997-17-3

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	REENING DAT	TE: 2023-08-18 13:16:03
%: 30.0000 - 36.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No v	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
EXEMPT	European Union / European Con	nmission	EU - REACH	Exemptions
	(EU EC)		Exempted from safety	om REACH Annex V listing due to intrinsic

SUBSTANCE NOTES: Range is based on the specification for glass fiber content.

CARBON BLACK ID: 1333-86-4

HAZARD DATA SOURCE: F	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2023-08-18 13:16:03
%: 1.0000 - 1.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Car	rcinogen
CAN	MAK		Carcinogen Grou but not sufficient	p 3B - Evidence of carcinogenic effects for classification
CAN	CA EPA - Prop 65		Carcinogen - spe	ecific to chemical form or exposure
CAN	IARC		Group 2B - Possi from occupationa	ibly carcinogenic to humans - inhaled al sources
CAN	IARC		Group 2b - Possi	bly carcinogenic to humans
EYE	GHS - New Zealand		Eye irritation cate	egory 2
CAN	GHS - New Zealand		Carcinogenicity of	category 2
CAN	GHS - Japan		H351 - Suspected Category 2]	d of causing cancer [Carcinogenicity -
MAM	GHS - Japan		repeated exposur	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No li	istings found on Additional Hazard Lists

NYLFOR-FP63E30HB NA 0001 %: 16.5200 - 16.5200

SUBSTANCE NOTES: Pigment

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Base, 100% pre-consumer recycled content.

NYLON 6 ID: 25038-54-4

SUBSTANCE ROLE: Polymer species
warnings found on HPD Priority Hazard Lists
ON
1

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	REENING DAT	E: 2023-08-18 13:16:04
%: 25.0000 - 35.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No w	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	N
EXEMPT	European Union / European Con	nmission	EU - REACH	Exemptions
EXEMPT	European Union / European Con (EU EC)	nmission		Exemptions om REACH Annex V listing due to intrinsic

SUBSTANCE NOTES: Reinforcement additive

STEEL %: 12.2000 - 12.2000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities for high-risk substances have been tested.

OTHER MATERIAL NOTES: Gas Cylinder materials, screws and etc

STEEL ID: 12597-69-2

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:03
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
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:				

UNDISCLOSED %: 5.4700 - 5.4700

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Arm Support

NYLON 6				ID: 25038-54-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:03
%: 68.6000 - 68.6000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: ba	ase resin			

			ID: 65997-17-
Pharos Chemical and Materials Library	HAZARD SO	CREENING DAT	TE: 2023-08-18 13:16:04
GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure componen
LIST NAME AND SOURCE		WARNINGS	
		No v	warnings found on HPD Priority Hazard Lists
LIST NAME AND SOURCE		NOTIFICATIO	DN
	nmission	EU - REACH	Exemptions
(20 20)		Exempted from	om REACH Annex V listing due to intrinsic
	LIST NAME AND SOURCE	GreenScreen: LT-UNK RC: None LIST NAME AND SOURCE LIST NAME AND SOURCE European Union / European Commission	GreenScreen: LT-UNK RC: None NANO: No LIST NAME AND SOURCE WARNINGS No v LIST NAME AND SOURCE NOTIFICATION European Union / European Commission (EU - REACH (EU EC) Exempted from

CARBON BLACK ID: 1333-86-4

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:04
%: 0.4000 - 0.4000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Ca	arcinogen
CAN	MAK		_	up 3B - Evidence of carcinogenic effects t for classification
CAN	CA EPA - Prop 65		Carcinogen - sp	ecific to chemical form or exposure
CAN	IARC		Group 2B - Poss from occupation	sibly carcinogenic to humans - inhaled nal sources
CAN	IARC		Group 2b - Poss	sibly carcinogenic to humans
EYE	GHS - New Zealand		Eye irritation cat	tegory 2
CAN	GHS - New Zealand		Carcinogenicity	category 2
CAN	GHS - Japan		H351 - Suspecte Category 2]	ed of causing cancer [Carcinogenicity -
MAM	GHS - Japan		repeated exposi	damage to organs through prolonged or ure [Specific target organs/systemic g repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

ZINC SULFIDE					ID: 1314-98-3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:04	
%: 0.2000 - 0.2000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE:	Lubricant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warr	nings found on HPD Prior	rity Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (C	GSPI)	GSPI - Six Class	ses of Problematic Chemi	icals
			Antimicrobials		
SUBSTANCE NOTES:					

14H-ANTHRA[2,1,9-MNA]THIOXANTHEN-14-ONE

ID: 16294-75-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:05

%: 0.1000 - 0.1000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Ha Waters	azardous to	Class 2 - Hazard t	o Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No lis	etings found on Additional Hazard Lists
SUBSTANCE NOTES:				

ALUMINIUM A380.0-F

%: 3.5100 - 3.5100

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities of high-risk substances have been tested.

OTHER MATERIAL NOTES: Aluminum die-casting alloy

ALUMINUM (ALUMINUM)				ID: 7429-90-5
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:05
%: 80.0000 - 80.2500	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor
РНҮ	EU - GHS (H-Statements) Annex	6 Table 3-1		fire spontaneously if exposed to air ids; Pyrophoric solids - Category 1]
MAM	GHS - Japan		repeated expos	damage to organs through prolonged or ure [Specific target organs/systemic g repeated exposure - Category 1]
PHY	GHS - New Zealand		Flammable solic	ds category 1
MAM	GHS - Japan			damage to organs [Specific target c toxicity following single exposure -
РНҮ	GHS - Japan		[Substances and	ct with water releases flammable gas d mixtures, which in contact with water, gases - Category 2]
РНҮ	GHS - Malaysia			fire spontaneously if exposed to air ids; Pyrophoric solids - Category 1]
РНҮ	GHS - Australia			fire spontaneously if exposed to air ids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand		Pyrophoric solic	ds category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

SUBSTANCE NOTES: Percentage range is based on the material grade.

SILICON				ID: 7	440-21-
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:06	
%: 7.5000 - 9.5000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy ele	ment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warr	nings found on HPD Priority Haza	ırd Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Additional Haza	ırd Lists
SUBSTANCE NOTES: Pe	ercentage range is based on the material gr	rade.			

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:07
%: 3.0000 - 4.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Alloy element

COPPER

ID: 7440-50-8

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	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
GEN	GHS - New Zealand	Germ cell mutagenicity category 1
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]
SKI	GHS - New Zealand	Skin sensitisation category 1
MAM	GHS - New Zealand	Acute inhalation toxicity category 2
MAM	GHS - New Zealand	Acute oral toxicity category 2
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 - Australia	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	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 of Problematic Chemicals
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

SUBSTANCE NOTES: Percentage range is based on the material grade.

ZINC ID: 7440-66-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:07

%: 3.0000 - 3.0000 GreenScreen: LT-P1 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 2 - Hazard to Waters
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; 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
PHY	GHS - New Zealand	Self-heating substances and mixtures category 1
PHY	GHS - New Zealand	Substances and mixtures which, in contact with water, emit flammable gases category 1
РНҮ	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - 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 of Problematic Chemicals
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

SUBSTANCE NOTES: Alloy Element

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:05
%: 0.5000 - 0.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazard	I to Waters
REP	GHS - Japan		H360 - May dam reproduction - C	nage fertility or the unborn child [Toxic t category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolo repeated exposure [Specific target organs/syst toxicity following repeated exposure - Category		ure [Specific target organs/systemic
MAM	GHS - Australia	H372 - Causes damage to organs through repeated exposure [Specific target organ t repeated exposure - Category 1]		ure [Specific target organ toxicity -
MAM	GHS - Japan			damage to organs [Specific target toxicity following single exposure -
AQU	GHS - New Zealand		Hazardous to the category 3	e aquatic environment - chronic
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	nvironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	icte

SUBSTANCE NOTES: Alloy Element

NICKEL ID: 7440-02-0

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:06
%: 0.0000 - 0.5000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Ca	rcinogen
CAN	MAK		Carcinogen Grouman	up 1 - Substances that cause cancer in
CAN	IARC		Group 1 - Agent	is Carcinogenic to humans
CAN	CA EPA - Prop 65		Carcinogen	
CAN	US NIH - Report on Carcinogen	s	Known to be a h	uman Carcinogen
CAN	IARC		Group 2b - Poss	ibly carcinogenic to humans
CAN	US NIH - Report on Carcinogen	s	Reasonably Anti-	cipated to be Human Carcinogen
RES	MAK		Sensitizing Subs	tance Sah - Danger of airway & skin
MUL	German FEA - Substances Haza Waters	ardous to	Class 2 - Hazard	to Waters
CAN	EU - GHS (H-Statements) Annex	c 6 Table 3-1	H351 - Suspecte Category 2]	d of causing cancer [Carcinogenicity -
MAM	EU - GHS (H-Statements) Annex	c 6 Table 3-1		amage to organs through prolonged or ire [Specific target organ toxicity - ire - Category 1]
CAN	GHS - New Zealand		Carcinogenicity	category 2
CAN	GHS - Japan		H351 - Suspecte Category 2]	d of causing cancer [Carcinogenicity -
MAM	GHS - Japan		repeated exposu	amage to organs through prolonged or are [Specific target organs/systemic are repeated exposure - Category 1]
MAM	GHS - Australia			amage to organs through prolonged or ire [Specific target organ toxicity - ire - Category 1]
MAM	GHS - Japan			amage to organs [Specific target toxicity following single exposure -
CAN	EU - Annex VI CMRs		Carcinogen Cate	egory 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
AQU	GHS - New Zealand		Hazardous to the category 1	e aquatic environment - chronic
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 of Problematic Chemicals
		Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Footwear, Apparel & Jewelry Products

SUBSTANCE NOTES: Percentage range is based on the material grade.

HAZARD DATA SOURCE: PI	haros Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:07
%: 0.0000 - 0.3500	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand	Eye irritation category 2		egory 2
MAM	GHS - Japan	H372 - Causes damage to organs through repeated exposure [Specific target organs toxicity following repeated exposure - Ca		re [Specific target organs/systemic
AQU	GHS - New Zealand		Hazardous to the	e aquatic environment - acute category
AQU	GHS - New Zealand		Hazardous to the category 1	e aquatic environment - chronic
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No I	istings found on Additional Hazard Lists

TPU %: 2.7100 - 2.7100

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Armpad cover

POLYURETHANE ID: 64440-88-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:07
%: 100.0000 - 100.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - Japan			serious eye damage [Serious eye ritation - Category 1]
MAM	GHS - Japan		•	se damage to organs [Specific target c toxicity following single exposure -
AQU	GHS - Japan		•	c to aquatic life [Hazardous to the ment (acute) - Category 1]
AQU	GHS - Japan		•	c to aquatic life with long lasting effects ne aquatic environment (chronic) -
MAM	GHS - Japan		H330 - Fatal if in mist) - Category	nhaled [Acute toxicity (inhalation: dust, / 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

ADC 12 %: 0.9400 - 0.9400

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities of high-risk substances have been tested.

OTHER MATERIAL NOTES: Aluminum alloy in gas cylinder

ALUMINUM ID: 91728-14-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:08

%: 85.0000 - 87.0000 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
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
PHY	GHS - New Zealand	Flammable solids category 1
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
PHY	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	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; 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
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
SUBSTANCE NOTES:		

SILICON

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:06
%: 9.6000 - 12.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warı	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:				

COPPER ID: 7440-50-8

ID: 7440-21-3

HAZARD DATA SOURCE: Pha	ros Chemical and Materials Library	HAZARD SCRE	EENING DATE:	2023-08-18 13:16:06
%: 1.5000 - 3.5000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	V	VARNINGS	
MUL	German FEA - Substances Haza Waters	ardous to C	Class 2 - Hazard	to Waters
AQU	EU - GHS (H-Statements) Annex	1]		quatic life with long lasting effects e aquatic environment (chronic) -
GEN	GHS - New Zealand	G	Germ cell mutage	enicity category 1
EYE	GHS - New Zealand	E	Eye irritation cate	egory 2
MAM	GHS - Japan	0		amage to organs [Specific target toxicity following single exposure -
SKI	GHS - New Zealand	S	Skin sensitisation	a category 1
MAM	GHS - New Zealand	А	Acute inhalation	toxicity category 2
MAM	GHS - New Zealand	А	Acute oral toxicit	y category 2
AQU	GHS - New Zealand	H 1		aquatic environment - acute category
AQU	GHS - New Zealand		lazardous to the ategory 2	aquatic environment - chronic
AQU	GHS - Australia	1]		quatic life with long lasting effects e aquatic environment (chronic) -
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	N	OTIFICATION	
RESTRICTED LIST	Perkins+Will (P+W)	Р	P&W - Precaution	nary List
			Precautionary list	t of substances recommended for
RESTRICTED LIST	Green Science Policy Institute (0	GSPI) G	SSPI - Six Classe	es of Problematic Chemicals
		А	Antimicrobials	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	-		Product Standard Restricted (RSL) - Effective July 1, 2022
		В	Biological and Er	vironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	/ation C	C2C Certified v4	Product Standard Restricted (RSL) - Effective July 1, 2022

ZINC ID: 7440-66-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:07
%: 0.5000 - 1.0000 GreenScreen: LT-P1 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 2 - Hazard to Waters
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
РНҮ	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Pyrophoric solids category 1
PHY	GHS - New Zealand	Self-heating substances and mixtures category 1
PHY	GHS - New Zealand	Substances and mixtures which, in contact with water, emit flammable gases category 1
РНҮ	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - 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 of Problematic Chemicals
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation	C2C Certified v4 Product Standard Restricted
	Institute (C2CPII)	Substances List (RSL) - Effective July 1, 2022
		Children's Products

IRON				ID: 7439-89-6
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:08
%: 0.8000 - 0.9000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

MANGANESE				ID: 7439-96-5
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2023-08-18 13:16:08
%: 0.2000 - 0.5000	GreenScreen: LT-P1	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 2 - 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]
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 - chronic category 3
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
SUBSTANCE NOTES:		

NICKEL ID: 7440-02-0

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2023-08-18 13:16:08
%· Impurity/Residual	GreenScreen: I T-1	RC: None	NANO: No	SUBSTANCE BOLE: Impurity/Residual

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
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
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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 of Problematic Chemicals
		Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Footwear, Apparel & Jewelry Products

TIN				ID: 7440-31-
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:09
%: Impurity/Residual	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation car	tegory 2
MAM	GHS - Japan		repeated expos	damage to organs through prolonged or ure [Specific target organs/systemic g repeated exposure - Category 1]
AQU	GHS - New Zealand		Hazardous to th	e aquatic environment - acute category
AQU	GHS - New Zealand		Hazardous to th category 1	e aquatic environment - chronic
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES:				

MAGNESIUM					ID: 7439-95-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCR	EENING DATE:	2023-08-18 13:16:09	
%: 0.3000 - 0.3000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: A	loy element

HAZARD TYPE	LIST NAME AND SOURCE	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 mixtures which, in contact with water, emit flammable gases - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; 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	Self-heating substances and mixtures category 1
PHY	GHS - New Zealand	Substances and mixtures which, in contact with water, emit flammable gases category 1
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
PHY	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION

NYLON 6	%: 0.9400 - 0.9400
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PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

 ${\sf RESIDUALS} \ {\sf AND} \ {\sf IMPURITIES} \ {\sf NOTES:} \ {\sf Residuals} \ {\sf and} \ {\sf impurities} \ {\sf are} \ {\sf not} \ {\sf considered}.$

OTHER MATERIAL NOTES: Nylon in caster

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:10
%: 97.9900 - 97.9900	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warı	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:				

POLYETHYLENE				ID: 9002-88-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:10
%: 2.0000 - 2.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Impact modifier
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warı	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:				

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:09
%: 0.0100 - 0.0100	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Impact modifier
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
AQU	GHS - New Zealand		Hazardous to the	e aquatic environment - acute category
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov. Institute (C2CPII)	ation	0_0 0000	Product Standard Restricted (RSL) - Effective July 1, 2022
			Biological and E	invironmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innov. Institute (C2CPII)	ation	0_0 0000	Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	ucts

SUBSTANCE NOTES: Modifier

6063-T5 ALUMINUM %: 0.7200 - 0.7200

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities of high-risk substances have been tested.

OTHER MATERIAL NOTES: Aluminum die-casting alloy

ALUMINUM ALLOY, NONBASE, AL, CO, MO

ID: 107765-29-7

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:09
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No war	nings found on HPD Priority Hazard List
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard List
SUBSTANCE NOTES:				

MESH_MONOFILAMENT STRIPE
BLACK

%: 0.6800 - 0.6800

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED:

No Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Mesh

TETRAHYDROFURAN ID: 109-99-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:10

%: 68.1700 - 68.1700 GreenScreen: LT-1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

MATERIAL TYPE: Polymeric

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	CA EPA - Prop 65	Carcinogen
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	IARC	Group 2b - Possibly carcinogenic to humans
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
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 - 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
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
РНҮ	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
EYE	GHS - Malaysia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

NYLON 6 ID: 25038-54-4 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:11 GreenScreen: LT-UNK SUBSTANCE ROLE: Polymer species %: 19.2100 - 19.2100 RC: None NANO: No HAZARD TYPE WARNINGS LIST NAME AND SOURCE None found No warnings found on HPD Priority Hazard Lists NOTIFICATION ADDITIONAL LISTINGS LIST NAME AND SOURCE No listings found on Additional Hazard Lists None found

POLYETHYLENE TEREPH	HTHALATE (PET)			ID: 25038-59-9
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:11
%: 11.3150 - 11.3150	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wari	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: Ya	arn resin			

UNDISCLOSED %: 0.6400 - 0.6400

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Arm Base

SUBSTANCE NOTES: Yarn resin

PROPYLENE ID: 115-07-1

HAZARD DATA SOURCE: Ph	naros Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:09		
%: 89.0000 - 94.5000	GreenScreen: BM-U	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species		
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
END	TEDX - Potential Endocrine Disr	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
PHY	EU - GHS (H-Statements) Annex	EU - GHS (H-Statements) Annex 6 Table 3-1		y flammable gas [Flammable gases -		
PHY	Québec CSST - WHMIS 1988	Québec CSST - WHMIS 1988		Class B1 - Flammable gases		
PHY	GHS - Japan		H220 - Extremel	y flammable gas [Flammable gases -		
PHY	GHS - New Zealand		Flammable gas	category 1A		
PHY	GHS - Australia	GHS - Australia		y flammable gas [Flammable gases -		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION			
None found			No	listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Base	polymer					

DE DATE: 2023-08-18 13:16:10 DE No SUBSTANCE ROLE: Polymer species NGS gen Group 3B - Evidence of carcinogenic effects sufficient for classification	
NGS gen Group 3B - Evidence of carcinogenic effects sufficient for classification	
gen Group 3B - Evidence of carcinogenic effects sufficient for classification	
sufficient for classification	
H220 - Extremely flammable gas [Flammable gases - Category 1]	
1 - Flammable gases	
Extremely flammable gas [Flammable gases - y 1]	
ble gas category 1A	
Extremely flammable gas [Flammable gases - y 1]	
CATION	
oı	

TALC ID: 14807-96-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:10

GreenScreen: BM-1	RC: None NANO: No SUBSTANCE ROLE: Tensile strength additive
LIST NAME AND SOURCE	WARNINGS
MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
IARC	Group 2b - Possibly carcinogenic to humans
GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
LIST NAME AND SOURCE	NOTIFICATION
	No listings found on Additional Hazard Lists
	LIST NAME AND SOURCE MAK IARC GHS - Japan GHS - Japan

CALCIUM STEARATE ID: 1592-23-0

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:11
%: 0.0500 - 0.1500	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
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: Ac	dditive			

TRIS(2,4-DI-TERT-BUTYL	PHENYL) PHOSPHITE			ID: 31570-04-
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:11
%: 0.0700 - 0.1500	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
РВТ	EU - ESIS PBT		Under PBT evalu	uation
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: Ac	dditive			

ANOX 20 ID: 6683-19-8

SUBSTANCE NOTES: Additive

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE: 2	2023-08-18 13:16:09
%: 0.0400 - 0.0800	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warni	ngs found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
POSITIVE LIST	US Environmental Protection Ag	ency (US	US EPA - DfE Safe	er Chemicals Ingredients list (SCIL)
	7		Preservatives-Ant Concern)	tioxidants - Green Circle (Verified Low
SUBSTANCE NOTES: Add	litive			

UNDISCLOSED %: 0.6200 - 0.6200

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: POM in Gas Cylinder

1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE

ID: 24969-26-4

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	REENING DATE:	2023-08-18 13:16:10
%: 97.0000 - 99.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No wari	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

UNDISCLOSED %: 0.4500 - 0.4500

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Seat Slide Pivot, Seat Actuator and etc.

NYLON 6 ID: 25038-54-4

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:10
%: 81.3000 - 86.8000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
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: Ba	ase resin			

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DAT	TE: 2023-08-18 13:16:11
%: 13.0000 - 17.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No v	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	DN
EXEMPT	European Union / European Cor (EU EC)	nmission	EU - REACH	Exemptions
	\/		Exempted from safety	om REACH Annex V listing due to intrinsic

SUBSTANCE NOTES: Reinforcement Additive

POLYURETHANE FOAM %: 0.3900 - 0.3900

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are disclosed.

OTHER MATERIAL NOTES: Armpad foam

POLYURETHANE FOAMS ID: 9009-54-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:11 %: 99.7250 - 100.0000 SUBSTANCE ROLE: Polymer species GreenScreen: LT-UNK RC: None 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 range is estimated based on the residual level.

BRONZE %: 0.1600 - 0.1600

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities of high risk have been tested.

OTHER MATERIAL NOTES: Hardware material

BRONZE ID: 12597-70-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:12 %: 100.0000 - 100.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Alloy element **HAZARD TYPE WARNINGS** LIST NAME AND SOURCE No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS NOTIFICATION LIST NAME AND SOURCE No listings found on Additional Hazard Lists None found

UNDISCLOSED %: 0.0500 - 0.0500

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Colorant Masterbatch

SUBSTANCE NOTES:

CARBON BLACK ID: 1333-86-4

CANBON BLACK				IB. 1000-00-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:12
%: 50.0000 - 50.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Ca	arcinogen
CAN	MAK		•	up 3B - Evidence of carcinogenic effects t for classification
CAN	CA EPA - Prop 65		Carcinogen - sporoute	ecific to chemical form or exposure
CAN	IARC		Group 2B - Poss from occupation	sibly carcinogenic to humans - inhaled all sources
CAN	IARC		Group 2b - Poss	bibly carcinogenic to humans
EYE	GHS - New Zealand		Eye irritation cat	regory 2
CAN	GHS - New Zealand		Carcinogenicity	category 2
CAN	GHS - Japan		H351 - Suspecte Category 2]	ed of causing cancer [Carcinogenicity -
MAM	GHS - Japan		repeated exposu	damage to organs through prolonged or ure [Specific target organs/systemic g repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

ETHYLENE VINYL ACETATE POLYMER (EVA)

SUBSTANCE NOTES: pigment

ID: 24937-78-8

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:12
%: 50.0000 - 50.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Carrier
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	ings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No I	istings found on Additional Hazard Lists
SUBSTANCE NOTES: Ca	arrier			

UNDISCLOSED %: 0.0300 - 0.0300

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are not considered.

OTHER MATERIAL NOTES: Upholstery button and Seat Slide Stop

NYLON 6 ID: 25038-54-4 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-08-18 13:16:13 %: 66.6000 - 66.6000 NANO: No SUBSTANCE ROLE: Polymer species GreenScreen: LT-UNK RC: None HAZARD TYPE WARNINGS LIST NAME AND SOURCE No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION None found No listings found on Additional Hazard Lists

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

SUBSTANCE NOTES: base resin

ID: 65997-17-3

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2023-08-18 13:16:13		
%: 32.8030 - 32.8030	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No v	varnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	DN .
EXEMPT	European Union / European Con	nmission	EU - REACH	Exemptions
	(EU EC)		Exempted from safety	om REACH Annex V listing due to intrinsic

SUBSTANCE NOTES: reinforcement additive

POLY((6-((1,1,3,3-TETRAMETHYLBUTYL)AMINO)-1,3,5-TRIAZINE-2,4- DIYL)((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6-HEXANEDIYL((2,2,6,6-TETRAMETHYL-4-PIPERIDINYL)IMINO))

ID: 71878-19-8

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:12
%: 0.2980 - 0.2980	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warı	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

N,N'-HEXANE-1,6-DIYLBIS[3-(3,5-DI-TERT-BUTYL-4-**HYDROXYPHENYLPROPIONAMIDE**]

ID: 23128-74-7

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:12
%: 0.1490 - 0.1490	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Antioxidant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE

SUBSTANCE NOTES: Additive

ID: 31570-04-4

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-08-18 13:16:13
%: 0.1490 - 0.1490	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
РВТ	EU - ESIS PBT		Under PBT eval	uation
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: A	dditive			

UNDISCLOSED

None found

%: 0.0300 - 0.0300

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are disclosed.

OTHER MATERIAL NOTES: Seat frame plug, extrusion cover and etc

NYLON 6				ID: 25038-54-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-08-18 13:16:13
%: 97.0000 - 99.5000	GreenScreen: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	

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: base polymer

CAPROLACTAM ID: 105-60-2

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE: 2023-08-18 13:16:14
%: Impurity/Residual	GreenScreen: LT-UNK	RC: None	NANO: No SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS
SKI	EU - GHS (H-Statements) Annex	c 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex	6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
SKI	GHS - New Zealand		Skin irritation category 2
EYE	GHS - New Zealand		Eye irritation category 2
SKI	GHS - Australia		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia		H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
MAM	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
SKI	GHS - Japan		H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand		Skin sensitisation category 1
MAM	GHS - Japan		H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]
REP	GHS - Japan		H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	Québec CSST - WHMIS 1988		Class D1A - Very toxic material causing immediate and serious toxic effects
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION
None found			No listings found on Additional Hazard Lists

SUBSTANCE NOTES: typical concentration 3000 ppm

UNDISCLOSED %: 0.0100 - 0.0100

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities of high-risk substances have been tested.

additives are below 100ppm of the product.

OTHER MATERIAL NOTES: Powder Coating on the gas cylinder. The disclosure threshold for this material is 1000ppm. Other undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Libr		HAZARD S	CREENING DATE: 2	2023-08-18 13:16:13	
%: 15.0000 - 35.0000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK		Carcinogen Group low risk under MA	4 - Non-genotoxic carcinogen with K/BAT levels	
MAM	GHS - Japan		repeated exposure	mage to organs through prolonged of Especific target organs/systemic epeated exposure - Category 1]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	CTED LIST Cradle to Cradle Products Innovation Institute (C2CPII)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
			Biological and Env	rironmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		roduct Standard Restricted RSL) - Effective July 1, 2022	
			Children's Produc	ts	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		roduct Standard Restricted RSL) - Effective July 1, 2022	
			Cosmetics & Person	onal Care Products	

TITANIUM DIOXIDE					
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE:		2023-08-18 13:16:13	
%: 0.0000 - 15.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE:	Pigment

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	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]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 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 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)
	A)	Colorants - Green Circle (Verified Low Concern)

SUBSTANCE NOTES: This chemical is a very common pigment.

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: Piscataway, NJ; Fresno, CA

CERTIFICATE URL:

https://cdn.scscertified.com/products/cert_pdfs/Humanscale_2022_SCS-

IAQ-05426_s.pdf

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2022-11-01 EXPIRY DATE: 2023-10-31 **CERTIFIER OR LAB: SCS**

Global Services

MULTI-ATTRIBUTE BIFMA Furniture Sustainability Level 3 (e3-2014)

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: Piscataway, NJ; Fresno, CA

CERTIFICATE URL:

https://cdn.scscertified.com/products/cert_pdfs/Humanscale_2022_SCS-

SCF-05108_s.pdf

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2022-05-01

EXPIRY DATE: 2024-10-31

CERTIFIER OR LAB: SCS

Global Services



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

Legal Notice: This HPD lists only those known chemical ingredients in the World chair as provided by Humanscale's suppliers, and that account for 0.01% or more of the total chair components. The listing of materials in this HPD represents all material ingredients based on Humanscale's supplier disclosures and is not based on independent testing to confirm the presence of absence of any specific chemical components. Accordingly, the World chair may contain certain chemicals that are not listed herein. Additionally, as the hazards information provided herein was generated under license using the HPDC Online Builder, Humanscale does not warrant that the hazard information or health effects provided by HPDC or its Authoritative Hazard List are accurate or apply to every context in which the chemicals may be used.

MANUFACTURER INFORMATION

MANUFACTURER: Humanscale
ADDRESS: 220 Circle Drive North
Piscataway NJ 08854, USA

WEBSITE: http://www.humanscale.com/products/product.cfm?

group=diffrientworldchair

CONTACT NAME: Better World
TITLE: Humanscale Sustainability

PHONE: (732) 537-2944

EMAIL: betterworld@humanscale.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

AQU Aquatic toxicity

CAN Cancer

Hazard Types

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