

HPD UNIQUE IDENTIFIER: 27872

CLASSIFICATION: 12 51 00 Office Furniture

PRODUCT DESCRIPTION: The Liberty Task chair is an intelligent mesh task chair engineered to provide automatic lumbar support for every user, as well offering simplicity and complete ease of use. Liberty was designed to offer a unique, minimal aesthetic and to provide custom comfort for every person who sits in it. Like Humanscale's Diffrient Smart and Diffrient World chairs, Liberty uses Humanscale's revolutionary Form-Sensing Mesh Technology and mechanism-free recline for perfect support and unprecedented comfort.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	All Substances Above the Threshold Indicated Are: Characterized ☐ Yes Ex/SC ☒ Yes ☐ No % weight and role provided for all substances. Screened ☐ Yes Ex/SC ☒ Yes ☐ No All substances screened using Priority Hazard Lists with results disclosed. Identified ☐ Yes Ex/SC ☐ Yes ☒ No One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.
☐ Nested Materials Method ☒ Basic Method	☒ 100 ppm ☐ 1,000 ppm ☐ Per GHS SDS ☐ Other	☐ Considered ☒ Partially Considered ☐ Not Considered	
Threshold Disclosed Per		Explanation(s) provided for Residuals/Impurities?	
☐ Material ☒ Product		☒ Yes ☐ No	

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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

LIBERTY® TASK | UNS A13800 ALUMINUM ALLOY NoGS STEEL NoGS

NYLON 6 LT-UNK POLYPROPYLENE LT-UNK POLYSTYRENE LT-UNK

GLASS/MINERAL FIBER LT-UNK TALC FILLER BM-1 | CAN POLYAMIDE PA6 LT-UNK 1,4-BUTANEDIOL, POLYMER WITH α-HYDRO-ω-HYDROXPOLY(OXY-1,4-BUTANEDIYL) AND 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE] LT-P1 SPRING STEEL NoGS POM LT-UNK

POLYURETHANE LT-UNK 1-BUTENE, POLYMER WITH ETHENE LT-UNK

1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BUTANEDIOL AND α-HYDRO-ω-HYDROXPOLY(OXY-1,4-BUTANEDIYL) LT-UNK

POLYETHYLENE LT-UNK OILITE BRONZE NoGS STYRENE-BUTADIENE POLYMER LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK

BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END ETHYLENE LT-UNK | CAN | PHY NYLON 66 LT-UNK

ZINC SULFIDE LT-UNK OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS- LT-UNK PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC LT-1 | CAN | PBT | MUL CARBON BLACK BM-1 |

CAN CALCIUM CARBONATE BM-3dg BENZENEPROPANAMIDE, N,N'-1,6-HEXANEDIYLBIS[3, 5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY- LT-UNK

OCTADECANOIC ACID, ZINC SALT LT-P1 CARBON BLACK BM-1 | CAN PHENOL, 2,4-BIS(1,1-DIMETHYLETHYL)-, PHOSPHITE (3:1) LT-UNK |

PBT TRIVALENT CHROMIUM COMPOUND LT-UNK | MUL 1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,3-DIHYDRO-1,3-DIOXO-5-ISOBENZOFURANCARBOXYLIC ACID, 2,2-DIMETHYL-1,3-PROPANEDIOL AND 2,2-OXYBISETHANOL NoGS STYRENE-ACRYLONITRILE COPOLYMERS LT-UNK POTASSIUM BROMIDE (KBR) LT-P1

2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE LT-UNK

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE AND 2-PROPENENITRILE LT-

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD includes several metal alloys identified by the alloy number which is allowed by the HPD Standard. However, due to the current limitations in the HPD Builder, it is recognizing these substances as not being identified.

UNK 1,2-BENZENEDICARBOXYLIC ACID, DI-2-PROPENYL ESTER,
POLYMER WITH ETHYL 2-PROPENOATE AND 2-METHYL-2-PROPENOIC
ACID LT-UNK GLASS, OXIDE, CHEMICALS LT-UNK CAPROLACTAM LT-
UNK | SKI | EYE REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3-(3,5-
DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE LT-UNK BARIUM
SULFATE BM-2 | CAN 1,3-BENZENEDICARBOXYLIC ACID, POLYMER
WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 2-ETHYL-2-
(HYDROXYMETHYL)-1,3-PROPANEDIOL AND HEXANEDIOIC ACID NoGS
CHROMIUM LT-P1 | END | SKI | RES POLYURETHANE FOAMS LT-UNK
PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'-[(1-
METHYLETHYLIDENE) BIS(4,1-
PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] LT-P1 | END 1-OCTENE,
POLYMER WITH ETHENE LT-UNK DGE BPA-B LT-P1 | END
POLYETHYLENE TEREPHTHALATE (PET) NoGS ZINC STERATE LT-P1
THERMOPLASTIC POLYURETHANE NoGS TPU LT-P1]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.
VOC emissions: Indoor Advantage Gold
Multi-attribute: ANSI/BIFMA e3-2014e Furniture Sustainability Standard

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed.

Third Party Verified?

- ☒ Yes
☐ No

PREPARER: Self-Prepared
VERIFIER: WAP Sustainability Consulting
VERIFICATION #: zPr-13631

SCREENING DATE: 2021-10-15
PUBLISHED DATE: 2022-03-17
EXPIRY DATE: 2024-10-15

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

LIBERTY® TASK

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Partially
RESIDUALS AND IMPURITIES NOTES: Only chemical substances restricted by regulations and Humanscale voluntary restriction list are considered. Residuals and impurities of those chemicals are tested or confirmed to be below required threshold. Residuals and impurities for other chemical substances are not considered.	
OTHER PRODUCT NOTES: The range of percent by weight for each substance comes from different product configurations and material formulations. The BM score comes from HPD builder screening.	

UNS A13800 ALUMINUM ALLOY

ID: Not Registered

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2021-10-15 12:14:47			
%: 24.5810 - 46.9550		GS: NoGS	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:					

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:04		
%: 22.1700 - 26.8730	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:04		
%: 6.1280 - 15.9110	GS: LT-UNK	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:05		
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%-: 4.4800 - 5.1040		GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

POLYSTYRENE

ID: 9003-53-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:05		
%: 3.3090 - 3.4320		GS: LT-UNK		RC: None NANO: Unknown SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

GLASS/MINERAL FIBER

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:06			
%: 2.3490 - 10.6850		GS: LT-UNK	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:					

TALC FILLER

ID: 14807-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:06		
%: 0.9740 - 1.2360	GS: BM-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
CAN	IARC		Group 2b - Possibly carcinogenic to humans	
SUBSTANCE NOTES:				

POLYAMIDE PA6

ID: 24993-04-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:06		
%: 0.8050 - 0.8620	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:07			
%: 0.7180 - 0.7520		GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

SPRING STEEL					ID: 12597-69-2
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:07		
%: 0.6180 - 0.6410		GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

POM					ID: 24969-26-4	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library					HAZARD SCREENING DATE: 2021-10-15 12:23:08	
%: 0.4450 - 0.4620		GS: LT-UNK		RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE		AGENCY AND LIST TITLES			WARNINGS	
None found					No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:						

POLYURETHANE					ID: 9009-54-5	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library					HAZARD SCREENING DATE: 2021-10-15 12:23:08	
%: 0.3480 - 3.5200		GS: LT-UNK		RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE		AGENCY AND LIST TITLES			WARNINGS	
None found					No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:						

1-BUTENE, POLYMER WITH ETHENE					ID: 25087-34-7	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:09			
%: 0.2160 - 1.1200		GS: LT-UNK		RC: None	NANO: Unknown	SUBSTANCE ROLE: Impact modifier
HAZARD TYPE		AGENCY AND LIST TITLES			WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES:						

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:09		
%: 0.1980 - 0.3690	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:10		
%: 0.1940 - 0.2050	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

OILITE BRONZE

ID: Not Registered

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2021-10-15 12:15:11		
%: 0.1540 - 0.1590	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

STYRENE-BUTADIENE POLYMER

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:10		
%: 0.0830 - 0.0860	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:11		
%: 0.0350 - 0.1320	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:11		
%: 0.0340 - 0.0360	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:11		
%: 0.0330 - 0.0990	GS: LT-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		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	EU - GHS (H-Statements)		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
SUBSTANCE NOTES:				

ETHYLENE

ID: 74-85-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:12		
%: 0.0320 - 0.0660	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
PHY	EU - GHS (H-Statements)		H220 - Extremely flammable gas [Flammable gases - Category 1]	
SUBSTANCE NOTES:				

NYLON 66

ID: 32131-17-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:12		
%: 0.0230 - 0.2260	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

ZINC SULFIDE

ID: **1314-98-3**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:13		
%: 0.0180 - 0.1410	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS-

ID: **110-30-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:13		
%: 0.0140 - 0.0170	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC

ID: **64742-52-5**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:14			
%: 0.0110 - 0.0110		GS: LT-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	EU - REACH Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man		
CAN	EU - Annex VI CMRs		Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
MUL	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters		
CAN	EU - GHS (H-Statements)		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - Australia		H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]		
SUBSTANCE NOTES:					

CARBON BLACK				ID: 1333-86-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:15		
%: 0.0030 - 0.0620	GS: BM-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	IARC		Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources	
SUBSTANCE NOTES:				

CALCIUM CARBONATE					ID: 1317-65-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:14		
%: 0.0030 - 0.0520		GS: BM-3dg	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

BENZENEPROPANAMIDE, N,N'-1,6-HEXANEDIYLBIS[3, 5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY-					ID: 23128-74-7
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:15			
%: 0.0030 - 0.0190	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Antioxidant	
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:					

OCTADECANOIC ACID, ZINC SALT					ID: 557-05-1	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:16			
%: 0.0020 - 0.0470		GS: LT-P1		RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES:						

CARBON BLACK				ID: 1333-86-4
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:17		
%: 0.0010 - 0.0680	GS: BM-1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
SUBSTANCE NOTES:		

PHENOL, 2,4-BIS(1,1-DIMETHYLETHYL)-, PHOSPHITE (3:1)

ID: 31570-04-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:16		
%: 0.0010 - 0.0150	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Antioxidant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
PBT	EU - ESIS PBT		Under PBT evaluation	
SUBSTANCE NOTES:				

TRIVALENT CHROMIUM COMPOUND

ID: 57693-14-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:17		
%: 0.0010 - 0.0220	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Dye
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SUBSTANCE NOTES:				

1,4-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,3-DIHYDRO-1,3-DIOXO-5-ISOBENZOFURANCARBOXYLIC ACID, 2,2-DIMETHYL-1,3-PROPANEDIOL AND 2,2-OXYBISETHANOL

ID: 126191-59-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-03-10 7:45:18		
%: 0.0000 - 0.0340	GS: NoGS	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

STYRENE-ACRYLONITRILE COPOLYMERS

ID: 9003-54-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:19		
%: 0.0000 - 0.1930	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

POTASSIUM BROMIDE (KBR)

ID: 7758-02-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:57:39		
%: 0.0000 - 0.0140	GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENENITRILE

ID: 27082-48-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:57:46		
%: 0.0000 - 0.0150	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE AND 2-PROPENENITRILE

ID: 57673-13-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:58:02		
%: 0.0000 - 0.0150	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:				

1,2-BENZENEDICARBOXYLIC ACID, DI-2-PROPENYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE AND 2-METHYL-2-PROPENOIC ACID

ID: 28411-49-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:57:53		
%: 0.0000 - 0.0150	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

GLASS, OXIDE, CHEMICALS

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:58:10		
%: 0.0000 - 0.0160	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

CAPROLACTAMID: 105-60-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:19		
%: 0.0000 - 0.1400	GS: LT-UNK	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Residual
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]		
SUBSTANCE NOTES:				

REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATEID: 125643-61-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:21		
%: 0.0000 - 0.0230	GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

BARIUM SULFATEID: 7727-43-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:21		
%: 0.0000 - 0.0240	GS: BM-2	RC: None	NANO: Unknown	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
SUBSTANCE NOTES:				

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND HEXANEDIOIC ACIDID: 25950-34-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:22		
%: 0.0000 - 0.0270	GS: NoGS	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Powder coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

CHROMIUM					ID: 7440-47-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:22		
%: 0.0000 - 0.1000		GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Plating agent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
SKI	MAK		Sensitizing Substance Sh - Danger of skin sensitization		
RES	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES:					

POLYURETHANE FOAMS					ID: 9009-54-5	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:23			
%: 0.0000 - 3.7130		GS: LT-UNK		RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES:						

PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'-[[1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE]					ID: 25036-25-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:23		
%: 0.0000 - 0.0500		GS: LT-P1	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Powder coating
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
END	EU - Priority Endocrine Disruptors		Category 1 - In vivo evidence of Endocrine Disruption Activity		
SUBSTANCE NOTES:					

1-OCTENE, POLYMER WITH ETHENE					ID: 26221-73-8
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:24		
%: 0.0000 - 0.0560		GS: LT-UNK	RC: None	NANO: Unknown	SUBSTANCE ROLE: Impact modifier
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:					

DGEBPA-B					ID: 25036-25-3
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2021-10-15 12:23:24		
%: 0.0000 - 0.0600	GS: LT-P1	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Polymer species	

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
SUBSTANCE NOTES:		

POLYETHYLENE TEREPHTHALATE (PET)

ID: Not Registered

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2021-10-15 12:15:22		
%: 0.0000 - 0.0640		GS: NoGS		RC: None NANO: Unknown SUBSTANCE ROLE: Polymer species
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

ZINC STERATE

ID: 557-05-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:25		
%: 0.0000 - 0.2820	GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found	No warnings found on HPD Priority Hazard Lists			
SUBSTANCE NOTES:				

THERMOPLASTIC POLYURETHANE

ID: 61789-63-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:25				
%: 0.0000 - 1.1760		GS: NoGS		RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE		AGENCY AND LIST TITLES		WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists				
SUBSTANCE NOTES:						

TPU

ID: 32238-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-10-15 12:23:26		
%: 0.0000 - 1.1760	GS: LT-P1	RC: None	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority 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		Indoor Advantage Gold	
CERTIFYING PARTY: Third Party		ISSUE DATE: 2020-	EXPIRY DATE:
APPLICABLE FACILITIES: All		11-01	2022-10-31
CERTIFICATE URL:		CERTIFIER OR LAB: SCS	
https://cdn.scs-certified.com/products/cert_pdfs/Humanscale_2021_SCS-		Global Services	
IAQ-05426_s.pdf			
CERTIFICATION AND COMPLIANCE NOTES:			

MULTI-ATTRIBUTE		ANSI/BIFMA e3-2014e Furniture Sustainability Standard	
CERTIFYING PARTY: Third Party		ISSUE DATE:	EXPIRY DATE:
APPLICABLE FACILITIES: Piscataway, NJ; Fresno, CA; Nogales, Mexico		2018-09-04	2022-04-30
CERTIFICATE URL:		CERTIFIER OR LAB: SCS	
https://cdn.scs-certified.com/products/cert_pdfs/Humanscale_2020_EXT_SCS-		Global Services	
SCF-05108_s.pdf			
CERTIFICATION AND COMPLIANCE NOTES:			

Section 4: Accessories

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

No accessories are required for this product.

Section 5: General Notes

Legal Notice: This HPD lists only those known chemical ingredients as provided by Humanscale's suppliers, and that account for 0.01% or more of the total product components. The listing of materials are based on Humanscale's supplier disclosures and is not based on independent testing to confirm the presence or absence of any specific chemical components. Accordingly, the product 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. The range of substances wt% reflects the chemical compositions of different product configurations and material formulation.

MANUFACTURER INFORMATION

MANUFACTURER: **Humanscale**
 ADDRESS: **220 Circle Drive N**
Piscataway New Jersey 08854, USA
 WEBSITE: <https://www.humanscale.com/>

CONTACT NAME: **Luke Zhou**
 TITLE: **Lead Sustainable Materials Specialist, LEED Green Associate**
 PHONE: **732-537-2944 x 1276**
 EMAIL: lzhou@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

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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 for compliance with the HPD standard noted.