

HPD UNIQUE IDENTIFIER: 27870

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

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® OCEAN [UNS A13800 ALUMINUM ALLOY NoGS STEEL NoGS NYLON 6 LT-UNK POLYPROPYLENE LT-UNK POLYSTYRENE LT-UNK GLASS, OXIDE, CHEMICALS LT-UNK TALC FILLER BM-1 | CAN GLASS/MINERAL FIBER LT-UNK POLYAMIDE PA6 LT-UNK 1,4-BUTANEDIOL, POLYMER WITH α-HYDRO-ω-HYDROXYPOLY(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-HYDROXYPOLY(OXY-1,4-BUTANEDIYL) LT-UNK POLYETHYLENE LT-UNK CARBON BLACK BM-1 | CAN OILITE BRONZE NoGS STYRENE-BUTADIENE POLYMER LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END POLYETHYLENE TEREPHTHALATE (PET) LT-UNK BUTANEDIOIC ACID, DIMETHYL ESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINEETHANOL LT-UNK ETHYLENE LT-UNK | CAN | PHY NYLON 66 LT-UNK PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH 2,2'-[(1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXYMETHYLENE)]BIS[OXIRANE] LT-P1 | END CALCIUM CARBONATE BM-3dg ZINC SULFIDE LT-UNK OCTADECANAMIDE, N,N'-1,2-ETHANEDIYLBIS- LT-UNK PETROLEUM DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC LT-1 | CAN | PBT | MUL 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND HEXANEDIOIC ACID NoGS OCTADECANOIC ACID, ZINC SALT LT-P1 TRIVALENT CHROMIUM COMPOUND LT-UNK | MUL REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE LT-UNK ZINC STERATE LT-P1 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-

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.

PROPENENITRILE LT-UNK 2-PROPENOIC ACID, 2-METHYL-, METHYL
ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-
(HYDROXYMETHYL)-2-PROPENAMIDE AND 2-PROPENENITRILE LT-
UNK 1,2-BENZENEDICARBOXYLIC ACID, DI-2-PROPENYL ESTER,
POLYMER WITH ETHYL 2-PROPENOATE AND 2-METHYL-2-
PROPENOIC ACID LT-UNK BARIUM SULFATE BM-2 | CAN TPU LT-P1
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 CHROMIUM LT-P1 |
END | SKI | RES THERMOPLASTIC POLYURETHANE NoGS DGEBPA-B
LT-P1 | END STYRENE-ACRYLONITRILE COPOLYMERS LT-UNK
POLYURETHANE FOAMS LT-UNK CAPROLACTAM LT-UNK | SKI | EYE
1-OCTENE, POLYMER WITH ETHENE LT-UNK]

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
Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- ☒ Yes
☐ No

PREPARER: Self-Prepared
VERIFIER: WAP Sustainability Consulting
VERIFICATION #: zPr-13629

SCREENING DATE: 2022-01-27
PUBLISHED DATE: 2022-03-17
EXPIRY DATE: 2025-01-27

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® OCEAN

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 10:43:59

?: 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: 2022-01-27 7:58:37

?: 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: 2022-01-27 7:58:37

?: 6.4630 - 15.5320

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: 2022-01-27 7:58:38

%		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: 2022-01-27 7:58:38		
%: 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, OXIDE, CHEMICALS

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:39			
%: 2.1740 - 2.2700		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:					

TALC FILLER

ID: 14807-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:39			
%: 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:					

GLASS/MINERAL FIBER

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:40		
%: 0.8620 - 8.3660	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:				

POLYAMIDE PA6		ID: 24993-04-2	
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:40	
%: 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:			

1,4-BUTANEDIOL, POLYMER WITH α-HYDRO-ω-HYDROXYPOLY(OXY-1,4-BUTANEDIYL) AND 1,1'-METHYLENEBIS[4-ISOCYANATOBENZENE]			ID: 9018-04-6
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:41	
%: 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: 2022-01-27 7:58:41	
%: 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: 2022-01-27 7:58:42	
%: 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: 2022-01-27 7:58:42	
%: 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:			

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:43		
%: 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: 2022-01-27 7:58:43		
%: 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:				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:44		
%: 0.1970 - 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:				

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:44		
%: 0.1890 - 0.2520	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:				

HAZARD SCREENING METHOD: Toxnot Chemical Hazard Screening Library		HAZARD SCREENING DATE: 2021-10-15 10:44:26	
%: 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: 2022-01-27 7:58:45	
%: 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:			

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:45			
%: 0.0370 - 0.0560		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) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES:					

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:46	
%: 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: 2022-01-27 7:58:46		
%: 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:				

ETHYLENE

ID: 74-85-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:47		
%: 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) Annex 6 Table 3-1		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: 2022-01-27 7:58:47		
%: 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:				

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: 2022-01-27 7:58:48		
%: 0.0190 - 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:				

CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:48		
%: 0.0190 - 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:				

ZINC SULFIDEID: 1314-98-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:49		
%: 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: 2022-01-27 7:58:49		
%: 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 NAPHTHENICID: 64742-52-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:50		
%: 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	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]		
SUBSTANCE NOTES:				

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL, 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND HEXANEDIOIC ACID

ID: 25950-34-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:50		
%: 0.0100 - 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:				

OCTADECANOIC ACID, ZINC SALT

ID: 557-05-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:51		
%: 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:				

TRIVALENT CHROMIUM COMPOUND

ID: 57693-14-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:51		
%: 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:				

REACTION MASS OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONATE

ID: 125643-61-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:24:02		
%: 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:				

ZINC STERATE

ID: 557-05-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:51		
%: 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:

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 13:24:10		
%: 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 13:24:16		
%: 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 13:24:24		
%: 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:				

BARIUM SULFATE

ID: 7727-43-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-12-29 13:24:34		
%: 0.0000 - 0.0160	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:				

TPU

ID: 32238-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:52		
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%: 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:	

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 7:43:02			
%: 0.0000 - 0.0200		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:					

CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:55		
%: 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:				

THERMOPLASTIC POLYURETHANE

ID: 61789-63-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:56		
%: 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:				

DGEBPA-B

ID: 25036-25-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:56			
%: 0.0000 - 0.0410		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:

STYRENE-ACRYLONITRILE COPOLYMERS

ID: 9003-54-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:57		
%: 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:				

POLYURETHANE FOAMS

ID: 9009-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:57		
%: 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:				

CAPROLACTAM

ID: 105-60-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:58		
%: 0.0000 - 0.1220	GS: LT-UNK	RC: Both	NANO: Unknown	SUBSTANCE ROLE: Residual
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]	
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1		H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]	
SUBSTANCE NOTES:				

1-OCTENE, POLYMER WITH ETHENE

ID: 26221-73-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-27 7:58:58		
%: 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:				

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 APPLICABLE FACILITIES: All CERTIFICATE URL: https://cdn.scs-certified.com/products/cert_pdfs/Humanscale_2021_SCS-IAQ-05426_s.pdf	ISSUE DATE: 2021-11-01	EXPIRY DATE: 2022-10-31	CERTIFIER OR LAB: SCS Global Services
CERTIFICATION AND COMPLIANCE NOTES:			

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

Section 4: Accessories

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

No accessories are required for this product.

Section 5: General Notes

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
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CONTACT NAME: Luke Zhou
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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)	
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)	NoGS No GreenScreen.

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.