Freedom® Task / Freedom® Headrest by Humanscale

Health Product Declaration v2.0

created via: HPDC Online Builder

CLASSIFICATION: 12 51 00.00 FURNISHINGS: OFFICE FURNITURE

PRODUCT DESCRIPTION: DESCRIBED BY THE NEW YORK TIMES AS "THE GOLD STANDARD IN OFFICE SEATING", THE FREEDOM CHAIR REDEFINES THE CONCEPT OF TRADITIONAL TASK CHAIRS. DESIGNER NIELS DIFFRIENT AIMED TO DESIGN AN OFFICE CHAIR THAT AUTOMATICALLY ADAPTS TO THE USER, ALLOWING THEM TO MOVE FREELY FROM POSTURE TO POSTURE. DIFFRIENT'S UNIQUE APPROACH REMOVED COMPLEXITIES FOUND IN OTHER CHAIRS, SUCH AS CUMBERSOME RECLINE LEVERS AND BACK TENSION DIALS FOR A TRULY ERGONOMIC TASK CHAIR. AS A RESULT, HE DEVELOPED A RECLINE MECHANISM THAT PERFECTLY ADJUSTS TO THE USER, DEFINITIVELY REINVENTING MODERN TASK SEATING TO BE TRULY SIMPLE, FUNCTIONAL, AND BEAUTIFUL.

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- (●) 100 ppm
- ( ) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Per OSHA MSDS
- ( ) Other

Residuals and impurities considered in 1 of 18 materials
- (●) see Section 2: Material Notes
- (●) see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances?	(●) Yes	( ) No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	( ) Yes	(●) No
Identified..... Are all substances disclosed by Name (Specific or Generic) and Identifier?	( ) 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

ALUMINIUM A380.0-F STEEL POLYSTYRENE [POLYSTYRENE LT-UNK] POLYURETHANE FOAM [POLYURETHANE FOAMS LT-UNK] UNDISCLOSED [ETHYLENE-PROPYLENE COPOLYMER LT-UNK (Z)-13-DOCOSENAMIDE LT-UNK GLYCERIDES, C14-18 MONO- AND DI- LT-UNK ANOX 20 LT-UNK] UNDISCLOSED [POLYPROPYLENE LT-UNK | RES TALC LT-UNK | CAN 1-BUTENE, POLYMER WITH ETHENE LT-UNK ZINC STEARATE LT-UNK | RES 1-OCTENE, POLYMER WITH ETHENE LT-UNK] LEATHER NYLON 6 [HEXANEDIOIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 1,6-HEXANEDIAMINE LT-UNK POLYETHYLENE LT-UNK ZINC STEARATE LT-UNK] UNDISCLOSED [POLYCARBONATE LT-UNK POLYETHYLENE LT-UNK 1,2-BIS(OCTADECANAMIDO)ETHANE LT-UNK CARBON BLACK LT-1 | CAN] UNDISCLOSED [NYLON 6 LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN UNDISCLOSED LT-U] TPU [POLYURETHANE LT-UNK] UNDISCLOSED [PROPYLENE BM-U | PHY ETHYLENE LT-UNK | PHY | CAN TALC BM-3 | CAN TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE LT-UNK | PBT CALCIUM STEARATE LT-UNK ANOX 20 LT-UNK] UNDISCLOSED [1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE LT-UNK UNDISCLOSED INGREDIENT 1 LT-UNK UNDISCLOSED INGREDIENT 2 LT-UNK UNDISCLOSED INGREDIENT 3 LT-P1] UNDISCLOSED [NYLON 6 LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN TITANIUM DIOXIDE LT-1 | CAN POLYETHYLENE LT-UNK C.I. PIGMENT VIOLET 15 LT-P1 | MUL C.I. PIGMENT YELLOW 119 LT-UNK CARBON BLACK LT-1 | CAN ZINC STEARATE LT-UNK FERRIC OXIDE BM-2 | CAN] UNDISCLOSED [ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER LT-UNK WHITE MINERAL OIL LT-UNK] 6061 ALUMINUM BRONZE ZINC PLATING

Number of Greenscreen BM-4/BM3 contents..... 1

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

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

The Inventory Option for this HPD is 100ppm of the product.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE
VOC emissions: GreenGuard Certification Gold_Freedom Headrest
VOC emissions: GREENGUARD Certificate_Freedom Headrest
Multi-attribute: Level 2_Seating

See Section 3 for additional listings.

(●) Self-Published*	VERIFIER:	SCREENING DATE: November 1, 2016	EXPIRY DATE*: November 1, 2019
( ) Third Party Verified	VERIFICATION #:	RELEASE DATE: November 1, 2016	* or within 3 months of significant change in product contents

See HPDC website for details

Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

ALUMINIUM A380.0-F **%: 46.2400 - 46.2400** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Aluminum die casting alloy

STEEL **%: 14.7100 - 14.7100** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes:

POLYSTYRENE **%: 8.2500 - 8.2500** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: This is 100% recycled material.

POLYSTYRENE ID: 9003-53-6

%: 100.0000 - 100.0000	GS: LT-UNK	RC: PreC	NANO: NO	ROLE: Base Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: 100% Recycled

POLYURETHANE FOAM **%: 6.6800 - 6.6800** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes:

POLYURETHANE FOAMS ID: 9009-54-5

%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED **%: 5.7500 - 5.7500** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Headrest shell

ETHYLENE-PROPYLENE COPOLYMER ID: 9010-79-1

%: 99.7000 - 99.7000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Base Resin

HAZARDS: | **AGENCY(IES) WITH WARNINGS:**

None Found | No warnings found on HPD Priority lists

SUBSTANCE NOTES: Base resin

(Z)-13-DOCOSENAMIDE ID: 112-84-5

%: 0.7000 - 0.7000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS: | **AGENCY(IES) WITH WARNINGS:**

None Found | No warnings found on HPD Priority lists

SUBSTANCE NOTES:

GLYCERIDES, C14-18 MONO- AND DI- ID: 67701-33-1

%: 0.5000 - 0.5000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS: | **AGENCY(IES) WITH WARNINGS:**

None Found | No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ANOX 20 ID: 6683-19-8

%: 0.1000 - 0.1000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS: | **AGENCY(IES) WITH WARNINGS:**

None Found | No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

UNDISCLOSED **%: 5.2300 - 5.2300** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Seat Shell

POLYPROPYLENE ID: 9003-07-0

%: 70.0000 - 76.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin

HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

TALC ID: 14807-96-6

%: 18.0000 - 22.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reinforcing Agent and Possible Component of the Impact Modifier

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

1-BUTENE, POLYMER WITH ETHENE ID: 25087-34-7

%: 4.0000 - 20.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Impact Modifier

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC STEARATE ID: 557-05-1

%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Stablizer

HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES:

1-OCTENE, POLYMER WITH ETHENE ID: 26221-73-8

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Possible impact modifier component

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LEATHER **%: 2.0300 - 2.0300** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: Yes

Material Notes: Residual chemicals were tested.

NYLON 6 **%: 1.8300 - 1.8300** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Caster material

HEXANEDIOIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 1,6-HEXANEDIAMINE ID: 24993-04-2

%: 97.9900 - 97.9900	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYETHYLENE ID: 9002-88-4

%: 2.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC STEARATE ID: 557-05-1

%: 0.0100 - 0.0100	GS: LT-UNK	RC: None	NANO: NO	ROLE: Modifier

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Modifier

UNDISCLOSED **%: 1.6400 - 1.6400** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Arm Support

POLYCARBONATE ID: 25037-45-0

%: 99.0100 - 99.0100	GS: LT-UNK	RC: None	NANO: NO	ROLE: Base resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYETHYLENE ID: 9002-88-4

%: 0.7230 - 0.7230	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,2-BIS(OCTADECANAMIDO)ETHANE ID: 110-30-5

%: 0.1340 - 0.1340	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

CARBON BLACK ID: 1333-86-4

%: 0.1340 - 0.1340	GS: LT-1	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Additive

UNDISCLOSED **%: 0.9800 - 0.9800 HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Back Release

NYLON 6 ID: 25038-54-4

%: 65.0000 - 70.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Base Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) ID: 65997-17-3

%: 25.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: reinforcement

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.2900 - 0.3100	GS: LT-U	RC: None	NANO: NO	ROLE: Mold release agent

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is not disclosed to us. The GS TL and Hazards have been screened by our supplier and manually added to this HPD. No warnings were found on HPD Priority lists.

TPU **%: 0.9000 - 0.9000 HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Armpad cover

POLYURETHANE ID: 64440-88-6

%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: base resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED **%: 0.7600 - 0.7600** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Armpad base

PROPYLENE ID: 115-07-1

%: 89.0000 - 94.5000	GS: BM-U	RC: None	NANO: NO	ROLE: Base resin

HAZARDS:		AGENCY(IES) WITH WARNINGS:
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas

SUBSTANCE NOTES: Base polymer

ETHYLENE ID: 74-85-1

%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Base resin

HAZARDS:		AGENCY(IES) WITH WARNINGS:
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Base resin

TALC ID: 14807-96-6

%: 0.3000 - 0.6000	GS: BM-3	RC: None	NANO: NO	ROLE: Additive

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Additive

TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE ID: 31570-04-4

%: 0.0700 - 0.1500 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
PBT	EU - ESIS PBT — Under PBT evaluation

SUBSTANCE NOTES: Additive

CALCIUM STEARATE — ID: 1592-23-0

%: 0.0500 - 0.1500 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

ANOX 20 — ID: 6683-19-8

%: 0.0400 - 0.0800 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

UNDISCLOSED **%: 0.4600 - 0.4600** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Gas cylinder component

1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE — ID: 24969-26-4

%: 97.0000 - 99.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Base resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED INGREDIENT 1 — ID:

%: 1.0000 - 3.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is a material supplier's proprietary information, and is not disclosed. It has been screened by GreenScreen and no warnings were found on HPD Priority Lists.

UNDISCLOSED INGREDIENT 2 ID:

%: 0.1000 - 0.2000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is a material supplier's proprietary information, and is not disclosed. It has been screened by GreenScreen and no warnings were found on HPD Priority Lists.

UNDISCLOSED INGREDIENT 3 ID:

%: 0.0100 - 0.0200	GS: LT-P1	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is a material supplier's proprietary information, and is not disclosed. It has been screened by GreenScreen, following health hazard and warning was indicated: Hazard A: ENDOCRINE, Warning A: Potential Endocrine Disruptor

UNDISCLOSED **%: 0.4300 - 0.4300** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Front Link

NYLON 6 ID: 25038-54-4

%: 66.3300 - 66.3300	GS: LT-UNK	RC: None	NANO: NO	ROLE: Nylon resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) ID: 65997-17-3

%: 32.6700 - 32.6700	GS: LT-UNK	RC: None	NANO: NO	ROLE: reinforcement

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

SUBSTANCE NOTES:

TITANIUM DIOXIDE ID: 13463-67-7

%: 0.3720 - 0.3720	GS: LT-1	RC: None	NANO: NO	ROLE: Pigment

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Pigment

POLYETHYLENE ID: 9002-88-4

%: 0.2990 - 0.2990	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

C.I. PIGMENT VIOLET 15 ID: 12769-96-9

%: 0.1760 - 0.1760	GS: LT-P1	RC: None	NANO: NO	ROLE: Pigment

HAZARDS:		AGENCY(IES) WITH WARNINGS:
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Pigment

C.I. PIGMENT YELLOW 119 ID: 68187-51-9

%: 0.0770 - 0.0770	GS: LT-UNK	RC: None	NANO: NO	ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Pigment

CARBON BLACK ID: 1333-86-4

%: 0.0360 - 0.0360	GS: LT-1	RC: None	NANO: NO	ROLE: pigment

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Pigment

ZINC STEARATE ID: 557-05-1

%: 0.0260 - 0.0260	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

FERRIC OXIDE ID: 1309-37-1

%: 0.0130 - 0.0130	GS: BM-2	RC: None	NANO: NO	ROLE: Pigment

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Pigment

UNDISCLOSED **%: 0.3000 - 0.3000** **HPD URL:**

Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Headrest handle

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER ID: 9003-56-9

%: 97.0000 - 99.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: base resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

WHITE MINERAL OIL ID: 8042-47-5

%: 1.0000 - 3.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Plasticizer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Plasticizer

6061 ALUMINUM **%: 0.2800 - 0.2800 HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes: Aluminum die casting alloy for the Headrest Rod

BRONZE **%: 0.0300 - 0.0300 HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes:

ZINC PLATING **%: 0.0100 - 0.0100 HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material 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

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ Fresno, CA
CERTIFICATE URL:
http://productguide.ulenvironment.com/ProductDetail.aspx?productID=2646&BrandID=345
CERTIFICATION AND COMPLIANCE NOTES:

GreenGuard Certification Gold_Freedom Headrest

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
2006-03-16	2017-03-16	

VOC EMISSIONS

GREENGUARD Certificate_Freedom Headrest

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ Fresno, CA
CERTIFICATE URL: http://productguide.ulenvironment.com/ProductDetail.aspx?productID=2646&BrandID=345
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
2006-03-16	2017-03-17	

MULTI-ATTRIBUTE

Level 2_Seating

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ Fresno, CA
CERTIFICATE URL: http://www.humanscale.com/UserFiles/File/level2_seating_2015-2018.pdf
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-11-01	2018-10-31	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.

Section 5: General Notes

Legal Notice: This HPD lists only those known chemical ingredients in the Freedom Task / Freedom Headrest 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 Freedom Task / Freedom Headrest 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.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Humanscale

ADDRESS: 220 Circle Drive North
Piscataway, NJ 08854
USA

WEBSITE:
https://www.humanscale.com/products/product.cfm?group=FreedomTaskChairWithHeadrest

CONTACT NAME: Luke Zhou

TITLE: Sr. Sustainability Analyst

PHONE: (732) 537-2944

EMAIL: lzhou@humanscale.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

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 Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the nal product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent veri er are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.