

CLASSIFICATION: 12 51 00.00 FURNISHINGS: OFFICE FURNITURE

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

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in	Based on the selected Content Inventory Threshold:	
<input checked="" type="radio"/> 100 ppm	2 of 20 materials	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 2:	Are the Percent Weight and Role provided for all substances?	
<input type="radio"/> Per GHS SDS	Material Notes	Screened.....	<input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Per OSHA MSDS	<input checked="" type="radio"/> see Section 5:	Are all substances screened using Priority Hazard Lists with results disclosed?	
<input type="radio"/> Other	General Notes	Identified.....	<input type="radio"/> Yes <input checked="" type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

UNDISCLOSED [NYLON 6 **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** CARBON BLACK **LT-1** | CAN POLYETHYLENE **LT-UNK** ZINC STEARATE **LT-UNK**] NYLFOR-FP63E30HB NA 0001 [NYLON 6 **LT-UNK** SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN] STEEL UNDISCLOSED [NYLON 6 **LT-UNK** GLASS / MINERAL FIBER **LT-UNK** CARBON BLACK **LT-1** | CAN ZINC SULFIDE **LT-UNK** 14H-ANTHRA[2,1,9-MNA]THIOXANTHEN-14-ONE **LT-P1** | MUL] ALUMINIUM A380.0-F TPU [POLYURETHANE **LT-UNK**] ADC 12 NYLON 6 [HEXANEDIOIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 1,6-HEXANEDIAMINE **LT-UNK** POLYETHYLENE **LT-UNK** ZINC STEARATE **LT-UNK**] 6063-T5 ALUMINUM MESH_MONOFILAMENT STRIPE BLACK [TETRAHYDROFURAN **LT-UNK** | EYE | PHY | CAN NYLON 6 **LT-UNK** POLYETHYLENE TEREPHTHALATE (PET) **LT-UNK** TRIVALENT CHROMIUM COMPOUND **LT-UNK** 12219-93-1 **UNK** SODIUM SULFATE **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 [MDI POLYURETHANE **LT-U** PROPRIETARY_1_AVALON **LT-U** PROPRIETARY_2_AVALON **LT-U** WATER **BM-4** DI(2-ETHYLHEXYL)ADIPATE (DEHA) **LT-P1** | CAN | END FATTY ACIDS, MONTAN WAX **LT-UNK** MONTAN WAX **LT-UNK** BUTYLATED HYDROXYTOLUENE **LT-P1** | END | MUL | CAN CHLOROBENZENE **LT-P1** | MAM | AQU | SKI | MUL NITRIC ACID **LT-UNK** | SKI | PHY] UNDISCLOSED [NYLON 6 **LT-UNK** SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN PROPRIETARY_N115L **LT-U**] POLYURETHANE FOAM [POLYURETHANE FOAMS **LT-UNK**] BRONZE UNDISCLOSED [CARBON BLACK **LT-1** | CAN ETHYLENE VINYL ACETATE POLYMER (EVA) **LT-UNK**] UNDISCLOSED [NYLON 6 **LT-UNK** SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) **LT-UNK** | CAN 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)) **UNK** N,N'-HEXANE-1,6-DIYLBIS[3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONAMIDE] **LT-UNK** TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE **LT-UNK** | PBT] UNDISCLOSED [NYLON 6 **LT-UNK**

Number of Greenscreen BM-4/BM3 contents..... 2
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

PR VOLATILE ORGANIC COMPOUND (VOC) CONTENT

2_A
22-: VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: Greenguard World
VOC emissions: Greenguard Gold World
Multi-attribute: Level 2_Seating

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: November 1, 2016	EXPIRY DATE*: November 1, 2019
<input type="radio"/> 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.

UNDISCLOSED

HPD URL: %: 52.6600 - 52.6600

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: No

Material Notes: Seat Frame, Back Frame and etc. Pre-consumer recycled content is used.

NYLON 6

ID: 25038-54-4

%: 59.6000 - 67.7500

GS: LT-UNK

RC: PreC

NANO: NO

ROLE: Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

%: 30.0000 - 36.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Reinforcement

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

CARBON BLACK

ID: 1333-86-4

%: 1.0000 - 1.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Colorant pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen (airborne particles of respirable size - occupational setting)

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:

POLYETHYLENE

ID: 9002-88-4

%: 1.0000 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: colorant masterbatch

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC STEARATE

ID: 557-05-1

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

NYLFOR-FP63E30HB NA 0001 %: 16.5200 - 16.5200 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Base, 100% pre-consumer recycled content.

NYLON 6

ID: 25038-54-4

%: 60.0000 - 70.0000 GS: LT-UNK RC: PostC NANO: NO ROLE: base polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Post-consumer recycled content

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

%: 25.0000 - 35.0000 GS: LT-UNK RC: None NANO: NO ROLE: reinforcement additive

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

STEEL %: 12.2000 - 12.2000 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Gas Cylinder materials, screws and etc

UNDISCLOSED %: 5.4700 - 5.4700 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Arm Support

NYLON 6 ID: 25038-54-4

%: 68.6000 - 68.6000 GS: LT-UNK RC: None NANO: NO ROLE: Base Resin

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This is the base resin.

GLASS / MINERAL FIBER ID: 65997-17-3

%: 30.0000 - 30.0000 GS: LT-UNK RC: None NANO: NO ROLE: Reinforcement Fiber

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CARBON BLACK ID: 1333-86-4

%: 0.4000 - 0.4000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen (airborne particles of respirable size - occupational setting)

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:

ZINC SULFIDE

ID: 1314-98-3

#: 0.2000 - 0.2000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Additive

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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

ID: 16294-75-0

#: 0.1000 - 0.1000

GS: LT-P1

RC: None

NANO: NO

ROLE: Pigment

HAZARDS:

RESTRICTED LIST

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

AGENCY(IES) WITH WARNINGS:

SUBSTANCE NOTES:

ALUMINIUM A380.0-F

#: 3.5100 - 3.5100 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Aluminum die-casting alloy

TPU

#: 2.7100 - 2.7100 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:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ADC 12

#: 0.9400 - 0.9400 HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: No

Material Notes: Aluminum alloy in gas cylinder

NYLON 6

#: 0.9400 - 0.9400 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

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:

None Found

AGENCY(IES) WITH WARNINGS:

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:

None Found

AGENCY(IES) WITH WARNINGS:

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:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Modifier

6063-T5 ALUMINUM %: 0.7200 - 0.7200 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Aluminum die-casting alloy

MESH MONOFILAMENT STRIPE BLACK %: 0.6800 - 0.6800 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Mesh

TETRAHYDROFURAN

ID: 109-99-9

%: 66.0000 - 66.0000 GS: LT-UNK RC: None NANO: NO ROLE: Raw Material

HAZARDS:

EYE IRRITATION

EU - R-phrases

AGENCY(IES) WITH WARNINGS:

R36 - Irritating to eyes

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

NYLON 6

ID: 25038-54-4

%: 18.2500 - 18.2500	GS: LT-UNK	RC: None	NANO: NO	ROLE: Raw material
----------------------	------------	----------	----------	--------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 10.7500 - 10.7600	GS: LT-UNK	RC: None	NANO: NO	ROLE: Raw material
----------------------	------------	----------	----------	--------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TRIVALENT CHROMIUM COMPOUND

ID: 57693-14-8

%: 1.5000 - 2.5000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Dyestuff ingredient
--------------------	------------	----------	----------	---------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

12219-93-1

ID:

%: 1.2500 - 2.5000	GS: UNK	RC: None	NANO: NO	ROLE: Dyestuff ingredient
--------------------	---------	----------	----------	---------------------------

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The system doesn't have the CAS number. It's Acid Green 73 (12219-93-1).

SODIUM SULFATE

ID: 7757-82-6

%: 0.5000 - 1.5000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Dyestuff ingredient

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 0.6400 - 0.6400 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Arm 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

%: 0.6200 - 0.6200 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: POM in Gas Cylinder

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**%: 0.6100 - 0.6100****HPD URL:**

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: The material has been screened by GreenScreen through HPD online builder by our material supplier.

MDI POLYURETHANE

ID:

%: 98.7000 - 98.7000

GS: LT-U

RC: None

NANO: NO

ROLE: Active ingredient

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS No. company confidential - This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

PROPRIETARY 1_AVALON

ID:

%: 0.5100 - 0.5100

GS: LT-U

RC: None

NANO: NO

ROLE: Active ingredient

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS No. company confidential - This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

PROPRIETARY 2_AVALON

ID:

%: 0.3600 - 0.3600

GS: LT-U

RC: None

NANO: NO

ROLE: Active ingredient

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CAS No. company confidential - This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

WATER

ID: 7732-18-5

%: Impurity/Residual

GS: BM-4

RC: None

NANO: NO

ROLE: Impurity/Residual

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

DI(2-ETHYLHEXYL)ADIPATE (DEHA)

ID: 103-23-1

%: Impurity/Residual

GS: LT-P1

RC: None

NANO: NO

ROLE: Impurity/Residual

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

CANCER

US EPA - IRIS Carcinogens

(1986) Group C - Possible human Carcinogen

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

FATTY ACIDS, MONTAN WAX

ID: 68476-03-9

%: Impurity/Residual GS: LT-UNK RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

MONTAN WAX

ID: 8002-53-7

%: Impurity/Residual GS: LT-UNK RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

BUTYLATED HYDROXYTOLUENE

ID: 128-37-0

%: Impurity/Residual GS: LT-P1 RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE ChemSec - SIN List Endocrine Disruption

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

CHLOROBENZENE

ID: 108-90-7

%: Impurity/Residual GS: LT-P1 RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)

ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

NITRIC ACID

ID: 7697-37-2

%: Impurity/Residual	GS: LT-UNK	RC: None	NANO: NO	ROLE: Impurity/Residual
----------------------	------------	----------	----------	-------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - R-phrases	R35 - Causes severe burns
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H272 - May intensify fire; oxidiser
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H271: May cause fire or explosion; strong oxidizer

SUBSTANCE NOTES: Impurity. Less than 0.1 % by wt

UNDISCLOSED

%: 0.4500 - 0.4500 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Seat Slide Pivot, Seat Actuator and etc.

NYLON 6

ID: 25038-54-4

%: 81.3000 - 86.8000	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

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)

ID: 65997-17-3

%: 13.0000 - 17.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reinforcement Additive
----------------------	------------	----------	----------	------------------------------

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: Reinforcement Additive

PROPRIETARY_N115L ID:

%: 0.2000 - 0.2000 GS: LT-U RC: None NANO: NO ROLE: Lubricant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Lubricant

POLYURETHANE FOAM %: 0.3900 - 0.3900 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Armpad foam

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:

BRONZE %: 0.1600 - 0.1600 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Hardware material

UNDISCLOSED %: 0.0500 - 0.0500 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Colorant Masterbatch

CARBON BLACK ID: 1333-86-4

%: 50.0000 - 50.0000 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				
ETHYLENE VINYL ACETATE POLYMER (EVA)				ID: 24937-78-8
%: 50.0000 - 50.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Carrier
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found		No warnings found on HPD Priority lists		
SUBSTANCE NOTES: Carrier				

UNDISCLOSED %: 0.0300 - 0.0300 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Upholstery button and Seat Slide Stop

NYLON 6				ID: 25038-54-4
%: 66.6000 - 66.6000	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				
SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)				ID: 65997-17-3
%: 32.8030 - 32.8030	GS: LT-UNK	RC: None	NANO: NO	ROLE: reinforcement additive
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: 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

%: 0.2980 - 0.2980

GS: UNK

RC: None

NANO: NO

ROLE: Additive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive

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

ID: 23128-74-7

%: 0.1490 - 0.1490

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

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

ID: 31570-04-4

%: 0.1490 - 0.1490

GS: LT-UNK

RC: None

NANO: NO

ROLE: Additive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EU - ESIS PBT

Under PBT evaluation

SUBSTANCE NOTES: Additive

UNDISCLOSED

%: **0.0300 - 0.0300** HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: Yes

Material Notes: Seat frame plug, extrusion cover and etc

NYLON 6

ID: 25038-54-4

%: 97.0000 - 99.5000

GS: LT-UNK

RC: PreC

NANO: NO

ROLE: base polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: base polymer

PROPRIETARY 1_AKULON

ID:

%: 0.5000 - 0.5100

GS: LT-U

RC: None

NANO: NO

ROLE: Processing aid

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Processing aid

POLYOL PARTIAL ESTER LIQUID_AKULON

ID:

%: 0.0500 - 0.0500

GS: UNK

RC: None

NANO: NO

ROLE: Processing aid

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Processing aid

PROPRIETARY 2_AKULON

ID:

%: 0.0300 - 0.0300

GS: LT-U

RC: None

NANO: NO

ROLE: Nucleant

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Nucleant

CAPROLACTAM

ID: 105-60-2

%: Impurity/Residual

GS: LT-UNK

RC: None

NANO: NO

ROLE: Impurity/Residual

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

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SUBSTANCE NOTES: typical concentration 3000 ppm

UNDISCLOSED

%: 0.0100 - 0.0100

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Powder Coating on the gas cylinder. The disclosure threshold for this material is 1000ppm. Other undisclosed additives are below 100ppm of the product.

19438-64-3

ID: 19438-64-3

%: 25.0000 - 45.0000 GS: UNK RC: None NANO: NO ROLE: Powder coating raw material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powder coating raw material

63738-22-7

ID: 63738-22-7

%: 20.0000 - 40.0000 GS: UNK RC: None NANO: NO ROLE: Powder Coating raw material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powder Coating raw material

BARIUM SULFATE

ID: 7727-43-7

%: 15.0000 - 35.0000 GS: BM-2 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Pigment

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 15.0000 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 (form-specific or based on limited exposure pathways)

CANCER IARC Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources

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

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Piscataway, NJ
 CERTIFICATE URL:
<http://productguide.ulenvironment.com/ProductDetail.aspx?productID=14272&BrandID=345>
 CERTIFICATION AND COMPLIANCE NOTES:

Greenguard World

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-03-16	2017-03-17	UL Environment

VOC EMISSIONS

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Piscataway, NJ
 CERTIFICATE URL:
<http://productguide.ulenvironment.com/ProductDetail.aspx?productID=14272&BrandID=345>
 CERTIFICATION AND COMPLIANCE NOTES:

Greenguard Gold World

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2013-02-26	2017-03-17	UL Environment

MULTI-ATTRIBUTE

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:

Level 2 Seating

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 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: 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 Classification 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 Unspecified (insufficient 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 final 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 verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.