Diffrient Smart by Humanscale

Health Product Declaration v2.1

CLASSIFICATION: 12 52 23 Office Seating

created via: HPDC Online Builder

PRODUCT DESCRIPTION: The Diffrient Smart chair is an intelligent mesh task chair with a striking linear aesthetic that complements any environment. Engineered to provide automatic lumbar support for every user, as well as simplicity and ease of use, Diffrient Smart offers comfort, style and flexibility. Diffrient Smart was created by designer Niels Diffrient and, like Humanscale's Liberty ® and Diffrient World ® chairs, uses Humanscale's revolutionary Form-Sensing Mesh Technology and mechanism-free recline for perfect support for every user. Only selected configurations are verified according to HPD Open Standard version 2.1 and represented by this HPD. Following options are excluded: 4D Adj Duron Arms, Leather and CAL133 Approved Foams and Plastics.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- (•) Nested Materials Method
- ( ) Basic Method

Threshold Disclosed Per

- ( ) Material
- (•) Product

Threshold level

- ( ) 100 ppm
- (•) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Per OSHA MSDS
- ( ) Other

Residuals/Impurities

Residuals/Impurities Considered in 1 of 28 Materials

Explanation(s) provided for Residuals/Impurities?

- (•) Yes ( ) No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided?
(•) Yes ( ) No

Screened
Using Priority Hazard Lists with Results Disclosed?
(•) Yes ( ) No

Identified
Name and Identifier Provided?
( ) 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 [ALUMINUM (ALUMINUM) LT-P1 | RES | END | PHY SILICON (SILICON) LT-UNK COPPER (COPPER) LT-UNK ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY MANGANESE (MANGANESE) LT-P1 | END | MUL | REP IRON (IRON) LT-P1 | END TIN (TIN) LT-P1 NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL] UNDISCLOSED [NYLON 6 (NYLON 6) LT-UNK GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER) LT-UNK] UNDISCLOSED [POLYPROPYLENE LT-UNK TALC BM-1 | CAN 1-BUTENE, POLYMER WITH ETHENE LT-UNK ZINC STEARATE LT-P1 1-OCTENE, POLYMER WITH ETHENE LT-UNK TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END] UNDISCLOSED [NYLON 6 LT-UNK GLASS / MINERAL FIBER LT-UNK | CAN CARBON BLACK LT-1 | CAN] STKM12B [IRON (IRON) LT-P1 | END] POLYPROPYLENE [ETHYLENE-PROPYLENE COPOLYMER (ETHYLENE-PROPYLENE COPOLYMER) LT-UNK] POLYURETHANE FOAM [POLYURETHANE FOAMS LT-UNK] AISI 1008 CARBON STEEL [IRON (IRON) LT-P1 | END] UNDISCLOSED [NYLON 6 LT-UNK GLASS / MINERAL FIBER LT-UNK | CAN CARBON BLACK LT-1 | CAN ZINC SULFIDE LT-UNK 14H-ANTHRA[2,1,9-MNA]THIOXANTHEN-14-ONE LT-P1 | MUL] SPCC [IRON (IRON) LT-P1 | END] AISI 12L14 [IRON (IRON) LT-P1 | END] UNDISCLOSED [POLYURETHANE FOAMS (POLYURETHANE FOAMS) LT-UNK] NYLON 6 [HEXANEDIOIC ACID, POLYMER WITH HEXAHYDRO-2H-AZEPIN-2-ONE AND 1,6-HEXANEDIAMINE LT-UNK POLYETHYLENE LT-UNK ZINC STEARATE LT-P1] C1035 [IRON (IRON) LT-P1 | END] #809 CHROME-SILICON AND VANADIUM SPRING WIRE [IRON (IRON) LT-P1 | END] ARM PAD BASE_POLYPROPYLENE [PROPYLENE (PROPYLENE) BM-U | END | PHY ETHYLENE (ETHYLENE) LT-UNK | CAN | PHY TALC BM-1 | CAN TRIS(2,4-DI-TERT-BUTYLPHENYL) PHOSPHITE LT-UNK | PBT CALCIUM

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:

Not all substances are shown as "identified', because there is biological material (wool) in this product. There is no CAS number associated with this material. Legal Notice: This HPD lists only those known chemical ingredients in the Diffrient Smart chair as provided by Humanscale's suppliers, and that account for 0.1% or more of the total chair components. The listing of materials are 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 Diffrient Smart 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.

STEARATE LT-UNK ANOX 20 LT-UNK] MESH_MONOFILAMENT STRIPE BLACK [TETRAHYDROFURAN LT-P1 | EYE | CAN | END | PHY NYLON 6 LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK] Q235 [IRON (IRON) LT-P1 | END] UNDISCLOSED [1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE LT-UNK] TEXTILE_GINKGO BLACK [WOOL UNK NYLON 6,6 LT-UNK] SAE 1215 [IRON (IRON) LT-P1 | END] UNDISCLOSED [NYLON 6 (NYLON 6) LT-UNK TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END] AISI M10 TOOL STEEL [IRON (IRON) LT-P1 | END] SP-100 [ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER (ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER) LT-UNK] UNDISCLOSED [POLYPROPYLENE LT-UNK CARBON BLACK LT-1 | CAN ZINC STEARATE LT-P1] 18-8 STAINLESS STEEL [IRON (IRON) LT-P1 | END] LOW CARBON STEEL PLATE [IRON (IRON) LT-P1 | END IRON (IRON) LT-P1 | END] ZA 8 ALLOY [ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY ALUMINUM (ALUMINUM) LT-P1 | RES | END | PHY COPPER (COPPER) 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: GREENGUARD Certification
VOC emissions: GREENGUARD Gold Certification
Multi-attribute: BIFMA Furniture Sustainability Level 2 (e3-2014)

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-2779

SCREENING DATE: 2016-11-03
PUBLISHED DATE: 2018-03-13
EXPIRY DATE: 2019-11-03

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

ALUMINIUM A380.0-F

%: 35.3600 - 35.3600

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

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

OTHER MATERIAL NOTES: Aluminum die casting alloy

ALUMINUM (ALUMINUM)

ID: **7429-90-5**

%: **80.0000 - 80.2500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

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

SILICON (SILICON)

ID: **7440-21-3**

%: **7.5000 - 9.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloy Element**

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

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

COPPER (COPPER)

ID: **7440-50-8**

%: **3.0000 - 4.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloy Element**

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

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

ZINC (ZINC)

ID: **7440-66-6**

%: **3.0000 - 3.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Alloy Element

MANGANESE (MANGANESE)

ID: **7439-96-5**

%: **0.5000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Alloy Element

IRON (IRON)

ID: **7439-89-6**

%: **0.0000 - 1.3000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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

TIN (TIN)

ID: **7440-31-5**

%: **0.0000 - 0.3500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

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

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

NICKEL (NICKEL)

ID: **7440-02-0**

%: **0.0000 - 0.5000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

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

UNDISCLOSED

%: 13.5000 - 13.5000 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Material is Nylon. The material trade name is not disclosed to protect company proprietary information.

NYLON 6 (NYLON 6)

ID: **25038-54-4**

%: **65.0000 - 70.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer resin**

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

SUBSTANCE NOTES: Percentage range is given by suppliers to protect their proprietary information.

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER)

ID: **65997-17-3**

%: **25.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Reinforcement Additive**

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

SUBSTANCE NOTES: Percentage range is given by suppliers to protect their proprietary information.

UNDISCLOSED

%: 7.9130 - 7.9130 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered. All substances information are disclosed at 100 ppm.

OTHER MATERIAL NOTES: Material is Polypropylene. The material trade name is not disclosed to protect company proprietary information.

POLYPROPYLENE

ID: **9003-07-0**

%: **70.0000 - 76.0000** 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: Percentage range is given by suppliers to protect their proprietary information.

TALC

ID: **14807-96-6**

%: **18.0000 - 22.0000** GS: **BM-1** 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: Percentage range is given by suppliers to protect their proprietary information.

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: Percentage range is given to protect supplier's proprietary information.

ZINC STEARATE

ID: **557-05-1**

%: **0.0000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stablizer**

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

SUBSTANCE NOTES: Percentage range is given by suppliers to protect their proprietary information.

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: Percentage range is given by suppliers to protect their proprietary information.

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: **13463-67-7**

%: **0.0000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

UNDISCLOSED

%: 6.0350 - 6.0350 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered. All substances are disclosed at 100 ppm.

OTHER MATERIAL NOTES: Material is Nylon. The material trade name is not disclosed to protect company proprietary information.

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:	
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

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	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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

SUBSTANCE NOTES:

STKM12B

%: 5.9050 - 5.9050 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON) ID: **7439-89-6**

%: **98.7700 - 98.7700** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Alloy Element

POLYPROPYLENE

%: 5.2700 - 5.2700 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: 100% Recycled Polypropylene for upholstery pan

ETHYLENE-PROPYLENE COPOLYMER (ETHYLENE-PROPYLENE COPOLYMER) ID: **9010-79-1**

%: **98.0000 - 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: This material is 100% pre-consumer recycled. The 0% - 2% is the estimation of the mixture of additives from various recycling streams.

POLYURETHANE FOAM

%: 5.1400 - 5.1400 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: At maximum 0.275% of 2,2'-iminodiethanol (CAS#: 111-42-2) will remain in the final urethane foam. It is under the reporting threshold of the product.

OTHER MATERIAL NOTES: 4.68% is the seat cushion and 0.46% is the arm pad foam.

POLYURETHANE FOAMS ID: **9009-54-5**

%: **99.7250 - 100.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Main composition**

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

SUBSTANCE NOTES: Substance range is estimated based on the residual level.

AISI 1008 CARBON STEEL

%: 4.2490 - 4.2490

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **99.5500 - 99.5500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Alloy Element

UNDISCLOSED

%: 2.6960 - 2.6960

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered. Material substances information is disclosed at 100 ppm of the material.

OTHER MATERIAL NOTES: Material trade name is not disclosed to protect company proprietary information.

NYLON 6

ID: **25038-54-4**

%: **68.6000 - 68.6000** 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: 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:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

SUBSTANCE NOTES:

CARBON BLACK

ID: **1333-86-4**

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

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

SUBSTANCE NOTES:

ZINC SULFIDE

ID: **1314-98-3**

%: **0.2000 - 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:

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

SUBSTANCE NOTES:

SPCC

%: 2.5200 - 2.5200 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **99.2000 - 99.2000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Alloy Element

AISI 12L14

%: 1.2400 - 1.2400

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **97.9100 - 98.2500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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

UNDISCLOSED

%: 1.0300 - 1.0300

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: The material is polyurethane cover used on armpad. Material trade name is not disclosed to protect proprietary information.

POLYURETHANE FOAMS (POLYURETHANE FOAMS)

ID: **9009-54-5**

%: **95.0000 - 96.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer resin**

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

SUBSTANCE NOTES: Percentage range is given by suppliers to protect their proprietary information.

NYLON 6

%: 0.8650 - 0.8650

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Nylon for Casters

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-P1** RC: **None** NANO: **No** ROLE: **Modifier**

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

SUBSTANCE NOTES: Modifier

C1035

%: 0.7300 - 0.7300 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **98.2200 - 98.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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

#809 CHROME-SILICON AND VANADIUM SPRING WIRE

%: 0.6600 - 0.6600 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **91.0000 - 99.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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

ARM PAD BASE_POLYPROPYLENE

%: 0.6360 - 0.6360 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Polypropylene used on the chair arm pad base

PROPYLENE (PROPYLENE)

ID: **115-07-1**

%: **89.0000 - 94.5000** GS: **BM-U** RC: **None** NANO: **No** ROLE: **Polymer resin**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

ETHYLENE (ETHYLENE)

ID: **74-85-1**

%: **5.0000 - 10.0000** GS: **LT-UNK** 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

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas

SUBSTANCE NOTES: Weight percentage range is given by the supplier to protect the proprietary information.

TALC

ID: **14807-96-6**

%: **0.3000 - 0.6000** GS: **BM-1** 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: Percentage range is given to protect supplier's proprietary information.

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

ID: **31570-04-4**

%: **0.0700 - 0.1500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Antioxidant Additive**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

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: Percentage range is given to protect supplier's proprietary information.

ANOX 20

ID: **6683-19-8**

%: **0.0400 - 0.0800** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Antioxidant Additive**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

MESH_MONOFILAMENT STRIPE BLACK

%: 0.6290 - 0.6290 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

TETRAHYDROFURAN

ID: **109-99-9**

%: **68.1700 - 68.1700** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Yarn resin**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Thermoplastic Elastomer

NYLON 6

ID: **25038-54-4**

%: **19.2100 - 19.2100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Yarn resin**

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

SUBSTANCE NOTES: Yarn resin

POLYETHYLENE TEREPHTHALATE (PET)

ID: **25038-59-9**

%: **11.3150 - 11.3150** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Yarn resin**

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

SUBSTANCE NOTES: Yarn resin

Q235

%: 0.6010 - 0.6010 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **97.8000 - 97.9000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The percentage range is based on the material grade.

UNDISCLOSED

%: 0.5600 - 0.5600 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Material trade name is not disclosed to protect company proprietary information.

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: Percentage range is given to protect supplier's proprietary information.

TEXTILE_GINKGO BLACK

%: 0.5580 - 0.5580 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

WOOL

ID: **N/A**

%: **78.6200 - 83.4800** GS: **UNK** RC: **None** NANO: **No** ROLE: **Textile raw material**

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

SUBSTANCE NOTES: This is a type of bio-material, no CAS number. Percentage range is given to protect supplier's proprietary information.

NYLON 6,6

ID: **32131-17-2**

%: **8.6800 - 9.2200** 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: Percentage range is given to protect supplier's proprietary information.

SAE 1215

%: 0.5500 - 0.5500 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **98.4200 - 98.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Percentage range is based on material grade.

UNDISCLOSED

%: 0.5400 - 0.5400 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Material trade name is not disclosed to protect company proprietary information.

NYLON 6 (NYLON 6)

ID: **25038-54-4**

%: **80.0000 - 90.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant carrier**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: **13463-67-7**

%: **12.0000 - 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 - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

AISI M10 TOOL STEEL

%: 0.4100 - 0.4100 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **82.0000 - 88.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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

SP-100

%: 0.3900 - 0.3900 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER (ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER)

ID: **9003-56-9**

%: **97.0000 - 99.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer resin**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

UNDISCLOSED

%: 0.3300 - 0.3300 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Material trade name is not disclosed to protect company proprietary information.

POLYPROPYLENE

ID: **9003-07-0**

%: **60.0000 - 80.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Colorant resin**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

CARBON BLACK

ID: **1333-86-4**

%: **15.0000 - 20.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant Pigment**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

ZINC STEARATE

ID: **557-05-1**

%: **10.0000 - 20.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Colorant Ingredient**

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

SUBSTANCE NOTES: Percentage range is given to protect supplier's proprietary information.

18-8 STAINLESS STEEL

%: 0.3200 - 0.3200 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **66.3450 - 74.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Percentage range is based on material grade.

LOW CARBON STEEL PLATE

%: 0.1900 - 0.1900 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES:

IRON (IRON)

ID: **7439-89-6**

%: **98.0000 - 99.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Percentage range is based on material grade.

IRON (IRON)

ID: **7439-89-6**

%: **98.0000 - 99.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Percentage range is based on material grade.

ZA 8 ALLOY

%: 0.1500 - 0.1500 **HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Material residuals and impurities are not considered.

OTHER MATERIAL NOTES: Zinc alloy

ZINC (ZINC)

ID: **7440-66-6**

%: **78.0000 - 84.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Percentage range is based on material grade.

ALUMINUM (ALUMINUM)

ID: **7429-90-5**

%: **8.0000 - 8.8000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloy Element**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Percentage range is based on material grade.

COPPER (COPPER)

ID: **7440-50-8**

%: **8.0000 - 13.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloy Element**

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

SUBSTANCE NOTES: Percentage range is based on material grade.

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 — **GREENGUARD Certification**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ, USA
CERTIFICATE URL:
http://productguide.ulenvironment.com/ProductDetail.aspx?productID=40564

ISSUE DATE: 2006-03-16
EXPIRY DATE: 2018-03-17
CERTIFIER OR LAB: UL

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS — **GREENGUARD Gold Certification**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ, USA
CERTIFICATE URL:
http://productguide.ulenvironment.com/ProductDetail.aspx?productID=40564

ISSUE DATE: 2013-02-26
EXPIRY DATE: 2018-03-16
CERTIFIER OR LAB: UL

CERTIFICATION AND COMPLIANCE NOTES:

MULTI-ATTRIBUTE — **BIFMA Furniture Sustainability Level 2 (e3-2014)**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Piscataway, NJ
CERTIFICATE URL:
https://www.humanscale.com/UserFiles/File/level2_seating_2015-2018.pdf

ISSUE DATE: 2015-11-01
EXPIRY DATE: 2018-10-31
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

This HPD represents one configuration of the Diffrient Smart Chair family and was chosen as a worst-case scenario. The configurations covered by this HPD are described in the Product Description before Section 1. Residuals/impurities information is not available for some of the materials. Legal Notice: This HPD lists only those known chemical ingredients in the Diffrient Smart chair as provided by Humanscale's suppliers, and that account for 0.1% or more of the total chair components. The listing of materials are 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 Diffrient Smart 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 Dr N**
Piscataway Township NJ 08854, USA
WEBSITE:
http://www.humanscale.com/index.cfm

CONTACT NAME: **Luke Zhou**
TITLE: **Lead Sustainable Materials Specialist**
PHONE: **732-537-2944 x 1276**
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)
NoGS 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 Terms

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

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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.