

CLASSIFICATION: 12 52 23.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Designed by Giancarlo Piretti, the Engage® task chair provides high-performance, ergonomic seating. The seat and back moves with you via a synchrotilt control for enhanced comfort. The soft seat also tilts forward to relieve pressure on thighs when in a work-intensive position.

**Section 1: Summary**

**Basic 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**

- Considered
  - Partially Considered
  - Not Considered
- Explanation(s) provided for Residuals/Impurities?
- Yes  No

Are All Substances Above the Threshold Indicated:

- Characterized**  Yes  No  
Percent Weight and Role Provided?
- Screened**  Yes  No  
Using Priority Hazard Lists with Results Disclosed?
- Identified**  Yes  No  
Name and Identifier Provided?

**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.

Number of Greenscreen BM-4/BM3 contents..... 0  
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1  
 Nanomaterial..... No

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

**INVENTORY AND SCREENING NOTES:**  
 Residual considered - listed in the inventory

ENGAGE TASK [ STEEL (STEEL) NoGS NYLON 6 (NYLON 6) LT-UNK WOOD (WOOD) NoGS POLYPROPYLENE (POLYPROPYLENE) LT-UNK POLYURETHANE FOAMS (POLYURETHANE FOAMS) LT-UNK GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)) LT-UNK ALUMINUM (ALUMINUM) LT-P1 | RES | END | PHY POLYETHER POLYOL (POLYETHER POLYOL) LT-UNK 1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE (1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE) LT-UNK METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK | MAM | EYE | SKI | CAN | RES | MUL BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED (BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED) LT-UNK ZINC (ZINC) LT-P1 | AQU | PHY | END | MUL POLYESTER (POLYESTER) NoGS BARIUM SULFATE (BARIUM SULFATE) BM-2 | CAN CARBON BLACK (CARBON BLACK) LT-1 | CAN ACRYLONITRILE -METHYL-METHACRYLATE - VINYLIDENE CHLORIDE COPOLYMER (ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER) LT-P1 | END POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET)) LT-UNK WHITE MINERAL OIL (WHITE MINERAL OIL) LT-UNK 2-PROPENITRILE, POLYMER WITH 1,3-BUTADIENE (2-PROPENITRILE, POLYMER WITH 1,3-BUTADIENE) LT-UNK BIS(2-(DIMETHYLAMINO)ETHYL) ETHER (BIS(2-(DIMETHYLAMINO)ETHYL) ETHER) LT-P1 | MUL TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END LECITHINS (LECITHINS) LT-UNK ETHYLENE-PROPYLENE COPOLYMER (ETHYLENE-PROPYLENE COPOLYMER) 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: SCS Indoor Advantage Gold  
 Multi-attribute: BIFMA Furniture Sustainability Level 2 (e3-2014)

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party Verified?

PREPARER: Self-Prepared

SCREENING DATE: 2017-11-17

Yes

VERIFIER:

PUBLISHED DATE: 2017-11-17

No

VERIFICATION #:

EXPIRY DATE: 2020-11-17

## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ENGAGE TASK

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals are listed within the inventory

OTHER PRODUCT NOTES: Residuals are listed

#### STEEL (STEEL)

ID: 12597-69-2

#: 50.8900 GS: NoGS RC: None NANO: No ROLE: Metal

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Metal used for Hardware, cylinder and casters

#### NYLON 6 (NYLON 6)

ID: 25038-54-4

#: 22.1000 GS: LT-UNK RC: None NANO: No ROLE: Nylon plastic

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cylinder, arm assembly, caster and foot ring components

#### WOOD (WOOD)

ID: Not registered

#: 7.9200 GS: NoGS RC: None NANO: No ROLE: Board

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Seat and back board

#### POLYPROPYLENE (POLYPROPYLENE)

ID: 9003-07-0

#: 6.2100 GS: LT-UNK RC: None NANO: No ROLE: Plastic

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Seat / Back

**POLYURETHANE FOAMS (POLYURETHANE FOAMS)**

ID: 9009-54-5

#: 5.7500 GS: LT-UNK RC: None NANO: No ROLE: Foam

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Seat and arm

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

ID: 65997-17-3

#: 2.9400 GS: LT-UNK RC: None NANO: No ROLE: Glass fill for nylon

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Glass-filled nylon

**ALUMINUM (ALUMINUM)**

ID: 7429-90-5

#: 2.2000 GS: LT-P1 RC: None NANO: No ROLE: Metal

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: Metal for foot ring and base

**POLYETHER POLYOL (POLYETHER POLYOL)**

ID: 9082-00-2

#: 0.5100 GS: LT-UNK RC: None NANO: No ROLE: Plastic

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Arm cap

**1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE (1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE)**

ID: 24969-26-4

#: **0.4800** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polymer

**METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))**

ID: 101-68-8

#: **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)
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
RESPIRATORY	EU - R-phrases	R42 - May cause sensitization by inhalation
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

**BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED (BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED)**

ID: 66070-58-4

#: **0.2100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Co-polymer**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Foot ring plastic

**ZINC (ZINC)**

ID: 7440-66-6

#: **0.1300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Hardware**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

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

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Bushing for seat slide

**POLYESTER (POLYESTER)**

ID: 113669-95-7

#: **0.0600** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Paint resin**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powdercoat frame resin

**BARIUM SULFATE (BARIUM SULFATE)**

ID: 7727-43-7

#: **0.0600** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Paint ingredient**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

SUBSTANCE NOTES: Powdercoat paint ingredient

**CARBON BLACK (CARBON BLACK)**

ID: 1333-86-4

#: **0.0500** 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

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

SUBSTANCE NOTES: Paint ingredient - adhered to frame, not in respirable form.

**ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER (ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER)**

ID: 25036-25-3

#: **0.0400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Epoxy**

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE EU - Priority Endocrine Disrupters Category 1 - In vivo evidence of Endocrine Disruption Activity

SUBSTANCE NOTES: Powderpaint resin

**POLYETHYLENE TEREPHTHALATE (PET) (POLYETHYLENE TEREPHTHALATE (PET))**

ID: 25038-59-9

#: **0.0400** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polyester fibers**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Polyester cord to tighten fabric to seat

**WHITE MINERAL OIL (WHITE MINERAL OIL)**

ID: 8042-47-5

#: **0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Paint ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Paint ingredient for plastic

**2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE (2-PROPENENITRILE, POLYMER WITH 1,3-BUTADIENE)**

ID: 9003-18-3

#: **0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Rubber**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: component of cylinder

**BIS(2-(DIMETHYLAMINO)ETHYL) ETHER (BIS(2-(DIMETHYLAMINO)ETHYL) ETHER)**

ID: 3033-62-3

#: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Foam ingredient

**TITANIUM DIOXIDE (TITANIUM DIOXIDE)**

ID: 13463-67-7

#: **0.0100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Co-polymer 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: Pigment ingredient

**LECITHINS (LECITHINS)**

ID: 8030-76-0

#: **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: Paint ingredient

### ETHYLENE-PROPYLENE COPOLYMER (ETHYLENE-PROPYLENE COPOLYMER)

ID: 9010-79-1

#: **0.0100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Plastic polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Adjustable arm assembly

## 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

### SCS Indoor Advantage Gold

CERTIFYING PARTY: Third Party

ISSUE DATE: 2017-

EXPIRY DATE:

CERTIFIER OR LAB: SCS

APPLICABLE FACILITIES: Green Bay, WI

06-02

2018-06-01

Global Services

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/KI\\_2017\\_SCS-IAQ-03102\\_s4.pdf](https://www.scs-certified.com/products/cert_pdfs/KI_2017_SCS-IAQ-03102_s4.pdf)

CERTIFICATION AND COMPLIANCE NOTES:

### MULTI-ATTRIBUTE

### BIFMA Furniture Sustainability Level 2 (e3-2014)

CERTIFYING PARTY: Third Party

ISSUE DATE: 2015-

EXPIRY DATE:

CERTIFIER OR LAB: SCS

APPLICABLE FACILITIES: Green Bay, WI

12-16

2018-12-15

Global Services

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/KI\\_2016\\_SCS-SCF-03500\\_s4.pdf](https://www.scs-certified.com/products/cert_pdfs/KI_2016_SCS-SCF-03500_s4.pdf)

CERTIFICATION AND COMPLIANCE NOTES:

## Section 4: Accessories

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

No accessories are required for this product.

## Section 5: General Notes

Disassembly instructions - <http://datahub.ki.com:8081/KiPortal/documents/download/P0033-0080> Does not include a specific fabric as it is selected by the customer.

## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **KI**

ADDRESS: **1330 Bellevue Street**

**Green Bay WI 54302, United States**

WEBSITE: **www.ki.com**

CONTACT NAME: **Lisa Kaster**

TITLE: **Sustainability Manager**

PHONE: **9204063533**

EMAIL: **lisa.kaster@ki.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)

**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.*