

CLASSIFICATION: 12 60 00 Furnishings: Multiple Seating

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Emeco and Morrison together, designed and engineered The Alfi Collection with the conviction that what you don't see is as important as what you do see. Alfi reflects Emeco and Morrison's common appreciation for the invisible qualities behind simplicity. Made of reclaimed and responsibly selected materials, engineered for comfort and strength, and designed to be humble and timeless, Alfi embodies these hidden values. Alfi seats are made primarily of reclaimed post-industrial polypropylene and wood fiber. This record covers all colors and variations of benches available in The Alfi Collection, including both Low Back and High Back versions. Seats available in five colors: Sand, Dark Grey, Red, Dark Brown, and Green. Wood available in Natural or Dark Ash.

**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 6 of 6 Materials

**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.

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

ALFI BASE [ ASH (ASH) NoGS ] ALFI SEAT [ POLYPROPYLENE (POLYPROPYLENE) LT-UNK WOOD FIBER - UNSPECIFIED (WOOD FIBER - UNSPECIFIED) NoGS POLYETHYLENE (POLYETHYLENE) LT-UNK UNDISCLOSED LT-UNK TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-METHYL-2-PROPENENITRILE AND 2-PROPENENITRILE (2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-METHYL-2-PROPENENITRILE AND 2-PROPENENITRILE) NoGS ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA)) LT-UNK TITANIUM, [2,2-BIS[(2-PROPENYLOXY)METHYL] -1-BUTANOLATO-O,O',O"]TRIS(DIOCTYL PHOSPHATO-O")- (TITANIUM, [2,2-BIS[(2-PROPENYLOXY)METHYL] -1-BUTANOLATO-O,O',O"]TRIS(DIOCTYL PHOSPHATO-O")- LT-UNK PUMICE (PUMICE) LT-UNK UNDISCLOSED BM-2 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED NoGS ] SEAT-TO-FRAME HARDWARE [ IRON (IRON) LT-P1 | END ] SEAT-TO-FRAME FASTENERS [ STEEL (STEEL) NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY ] CHAIR GLIDES [ UNDISCLOSED LT-UNK POLYMETHYL METHACRYLATE (PMMA) (POLYMETHYL METHACRYLATE (PMMA)) LT-P1 | RES ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER (ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER) LT-UNK UNDISCLOSED NoGS ] GLIDE FASTENERS [ STAINLESS STEEL (STAINLESS STEEL) NoGS ]

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

**INVENTORY AND SCREENING NOTES:**

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1). Substances not "Identified" are those considered proprietary to suppliers, or are those without a registered identifier.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** *See Section 3 for additional listings.*

No certifications have been added to this HPD.

**CONSISTENCY WITH OTHER PROGRAMS**

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-11-08

PUBLISHED DATE: 2017-11-13

EXPIRY DATE: 2020-11-08

## 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)

### ALFI BASE

#: 35.1000 - 39.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Includes legs and frames. Percent by weight of material and substances reported as ranges due to the various seating options available in The Alfi Collection.

### ASH (ASH)

ID: Not registered

#: 100.0000 - 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Legs; Frame

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML).

### ALFI SEAT

#: 29.2000 - 36.4000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges due to the various seating options available in The Alfi Collection.

### POLYPROPYLENE (POLYPROPYLENE)

ID: 9003-07-0

#: 81.6000 - 91.2000

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Bioplastic Substrate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). 100% of polypropylene used is reclaimed post-industrial waste obtained directly from plastic producer worksites. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including "Plastics and Polymers" and "Recycled content - mixtures". This HPD will be updated as appropriate when these guidelines become available.

**WOOD FIBER - UNSPECIFIED (WOOD FIBER - UNSPECIFIED)**ID: **Not registered**

%: <b>4.8000 - 14.4000</b>	GS: <b>NoGS</b>	RC: <b>PreC</b>	NANO: <b>No</b>	ROLE: <b>Bioplastic Substrate</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance encapsulated in resin of finished product. Secondary supplier states the following: "raw material used for wood flour/fiber production is sourced from secondary wood manufacturers in the form of fiber by-products. Such sources include facilities that manufacture moldings, flooring, wood windows and doors, and other wood products. Also, we do not utilize any "treated" wood fiber for production of our wood fibers/flour." Percent by weight disclosed as range in order to protect supplier's proprietary formulation.

**POLYETHYLENE (POLYETHYLENE)**ID: **9002-88-4**

%: <b>1.1000 - 2.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Additive Carrier</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**UNDISCLOSED**

%: <b>0.5000 - 1.5000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Coupling Agent</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

**TITANIUM DIOXIDE (TITANIUM DIOXIDE)**ID: **13463-67-7**

%: <b>0.1000 - 0.5000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Pigment</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	US CDC - Occupational Carcinogens Occupational Carcinogen
CANCER	MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Substance encapsulated in resin of finished product. Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide. This HPD will be updated as appropriate when these guidelines become available. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was “determined to be Benchmark 2 using the full GS (GreenScreen) method” (<http://ow.ly/Z5ken>).

**2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-METHYL-2-PROPENENITRILE AND 2-PROPENENITRILE (2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-METHYL-2-PROPENENITRILE AND 2-PROPENENITRILE)**

ID: **38742-70-0**

#: **0.0500 - 0.5000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Blowing Agent Component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA))**

ID: **24937-78-8**

#: **0.0400 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Blowing Agent Component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**TITANIUM, [2,2-BIS[(2-PROPENYLOXY)METHYL] -1-BUTANOLATO-O,O',O'']TRIS(DIOCTYL PHOSPHATO-O'')- (TITANIUM, [2,2-BIS[(2-PROPENYLOXY)METHYL] -1-BUTANOLATO-O,O',O'']TRIS(DIOCTYL PHOSPHATO-O'')-)**

ID: **110438-25-0**

#: **0.0200 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**PUMICE (PUMICE)**

ID: **1332-09-8**

#: **0.0200 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).

**UNDISCLOSED**%: **0.0000 - 0.4000**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

SUBSTANCE NOTES: Substance encapsulated in resin of finished product. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

**UNDISCLOSED**%: **0.0000 - 0.4000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance encapsulated in resin of finished product. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

**UNDISCLOSED**%: **0.0000 - 0.2000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Substance encapsulated in resin of finished product. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed. This substance falls below the Content Inventory Threshold indicated for the finished product.

**UNDISCLOSED**%: **0.0000 - 0.2000**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance encapsulated in resin of finished product. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed. This substance falls below the Content Inventory Threshold indicated for the finished product.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Provides stability for seat-to-frame connection.

**IRON (IRON)**

ID: 7439-89-6

%: **100.0000 - 100.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Cast Iron Hardware**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Non-steel iron alloy. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including Metal Alloys such as Cast Iron. This HPD will be updated as appropriate when these guidelines become available.

**SEAT-TO-FRAME FASTENERS**%: **2.8000 - 3.1000**

HPD URL: [https://www.galvanizeit.org/uploads/default/HPD\\_PrimeWestern.pdf](https://www.galvanizeit.org/uploads/default/HPD_PrimeWestern.pdf)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Zinc-plated steel screws and washers used to attach Alfi Seats to Alfi Base.

**STEEL (STEEL)**

ID: 12597-69-2

%: **98.0000 - 98.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Base Metal**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML).

**ZINC (ZINC)**

ID: 7440-66-6

%: **2.0000 - 2.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Metallic Coating**

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

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: Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including those with Form-Specific Hazards such as Zinc. This HPD will be updated as appropriate when these guidelines become available. This substance falls below the Content Inventory Threshold indicated for the finished product.

## CHAIR GLIDES

%: 0.1000 - 0.2000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS, as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Attached to Alfi Base with Glide Fasteners.

## UNDISCLOSED

%: **35.0000 - 40.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **TPU Component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

## POLYMETHYL METHACRYLATE (PMMA) (POLYMETHYL METHACRYLATE (PMMA))

ID: 9011-14-7

%: **28.0000 - 33.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Thermoplastic Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

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

ID: 9003-56-9

%: **16.0000 - 21.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impact Resistance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists



SUBSTANCE NOTES: This substance falls below the Content Inventory Threshold indicated for the finished product.

## UNDISCLOSED

#: **5.0000 - 10.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **TPU Component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

## GLIDE FASTENERS

#: **0.0300 - 0.0400**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS, as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Hardware used to attach Chair Glides to Alfi Base.

## STAINLESS STEEL (STAINLESS STEEL)

ID: **12597-68-1**

#: **100.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Hardware**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 18-8 Stainless Steel. This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML). This substance falls below the Content Inventory Threshold indicated for the finished product.

## 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.

## 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.

## CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Wood Lacquer (Natural or Dark Ash) is routinely applied to Alfi Base at 0.05-0.2% of the final product. Requests made to supplier for material ingredient disclosure to 1000 ppm were unsuccessful; however, supplier has confirmed that no individual substance is present in this material at a level that would require reporting based on the Content Inventory Threshold indicated for the finished product. The current functionality of the HPD Builder does not allow an HPD to be considered fully "Characterized" or "Screened" if a material is included with no nested substances (i.e. all substances fall below the required reporting threshold). Therefore, this material is currently listed as an Accessory; this HPD will be revised to include "Wood Lacquer" as a material in the Content Inventory when the HPD Builder is updated to allow for this reporting option.

## Section 5: General Notes

We make chairs. In America. Often by hand. Mostly from recycled stuff. But always to last. [www.emeco.net](http://www.emeco.net)

## Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **emeco**

ADDRESS: **805 Elm Avenue**

**Hanover PA 17331, USA**

WEBSITE: <http://www.emeco.net>

CONTACT NAME: **Gregg Buchbinder**

TITLE: **CEO**

PHONE: **(717) 637-5951**

EMAIL: [gregg@emeco.net](mailto:gregg@emeco.net)

### 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.*