

HPD UNIQUE IDENTIFIER: 26620

CLASSIFICATION: 12 50 00 Furniture

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

<p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method <input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material <input checked="" type="radio"/> Product</p>	<p>Threshold Level</p> <p><input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p>Considered in 7 of 7 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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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** NoGS] **ALFI SEAT** [**POLYPROPYLENE** LT-UNK
WOOD FIBER - UNSPECIFIED NoGS **POLYETHYLENE** LT-UNK
UNDISCLOSED LT-UNK **TITANIUM DIOXIDE** LT-1 | CAN | END 2-
PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 2-
METHYL-2-PROPENENITRILE AND 2-PROPENENITRILE NoGS
ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK **TITANIUM, [2,2-**
BIS[(2-PROPENYLOXY)METHYL] -1-BUTANOLATO-
O,O',O"]TRIS(DIOCTYL PHOSPHATO-O")- LT-UNK **PUMICE** LT-UNK
PIGMENT 1 LT-UNK **PIGMENT 2** LT-UNK **PIGMENT 3** NoGS **FERRIC**
OXIDE BM-1 | CAN] **SEAT-TO-FRAME HARDWARE** [**IRON (IRON)** LT-
P1 | END] **SEAT-TO-FRAME FASTENERS** [**STEEL** NoGS **ZINC** LT-P1 |
 END | MUL | PHY | AQU] **CHAIR GLIDES** [**POLYMETHYL**
METHACRYLATE (PMMA) (POLYMETHYL METHACRYLATE (PMMA))
LT-P1 | RES **ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER**
LT-UNK] **WOOD LACQUER GLIDE FASTENERS** [**STAINLESS STEEL**
 NoGS]

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:

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.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-11-24

PUBLISHED DATE: 2021-11-24

EXPIRY DATE: 2024-11-24

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

ALFI BASE

#: 35.1000 - 39.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Other Biological Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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: 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

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-24 6:15:50

#: 100.0000 - 100.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

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

ALFI SEAT

#: 29.2000 - 36.4000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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: Percent by weight of material and substances reported as ranges due to the various seating options available in The Alfi Collection.

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-24 6:15:52

#: 81.6000 - 91.2000 GS: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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 - UNSPECIFIEDID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:54**%: **4.8000 - 14.4000** GS: **NoGS** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.

POLYETHYLENEID: **9002-88-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:55**%: **1.1000 - 2.3000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:56**%: **0.5000 - 1.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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 DIOXIDEID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:56**%: **0.1000 - 0.5000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

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. 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-PROPENITRILE AND 2-PROPENITRILE

ID: 38742-70-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:57	
%: 0.0500 - 0.5000	GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Blowing agent	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:57	
%: 0.0400 - 0.4000	GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Blowing agent	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

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

ID: 110438-25-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:58
%: 0.0200 - 0.2000	GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Surface modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

PUMICE

ID: 1332-09-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:58	
%: 0.0200 - 0.2000	GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Surface modifier	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern).		

PIGMENT 1

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:59	
%: 0.0000 - 0.4000	GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.		

PIGMENT 2

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:15:59	
%: 0.0000 - 0.2000	GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.		

PIGMENT 3

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-11-24 6:16:00	
%: 0.0000 - 0.2000	GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.

FERRIC OXIDE

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:16:01**

%: **0.0000 - 0.4000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Substance encapsulated in resin of finished product. This substance falls below the Content Inventory Threshold indicated for the finished product.

SEAT-TO-FRAME HARDWARE

%: **25.6000 - 28.5000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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 supplier SDS and as predicted by process chemistry (Pharos CML).

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

IRON (IRON)

ID: **7439-89-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:51**

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

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	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**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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

ID: 12597-69-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:52**%: **98.0000 - 98.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Hardware**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

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

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:54**%: **2.0000 - 2.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]

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 substance falls below the Content Inventory Threshold indicated for the finished product.

CHAIR GLIDES%: **0.1000 - 0.2000**PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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/or as predicted by process chemistry (Pharos CML).

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

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

ID: 9011-14-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:53**

%: **28.0000 - 33.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: 9003-56-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:53**

%: **16.0000 - 21.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

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

WOOD LACQUER

%: **0.0500 - 0.2000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: As all substances in this material fall below the Content Inventory Threshold indicated, no residuals or impurities are possible above this level.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold, as confirmed by supplier.

GLIDE FASTENERS

%: **0.0300 - 0.0400**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: As all substances in this material fall below the Content Inventory Threshold indicated, no residuals or impurities are possible above this level.

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

STAINLESS STEEL

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:15:51**

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

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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.

VOC EMISSIONS

CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2021-09-

EXPIRY DATE:

CERTIFIER OR LAB: Intertek

APPLICABLE FACILITIES: Hanover PA 17331 USA

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CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Conforms to the ANSI/ BIFMA X7.1-2011 Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture Systems and Seating, ANSI/ BIFMA M7.1-2011 Standard Test Method for Determining VOC Emissions from Office Furniture Systems, Components and Seating, and ANSI/ BIFMA e3-2014e Furniture Sustainability Standard Credits 7.6.1, 7.6.2 and 7.6.3 Low Emitting Furniture for Office Furniture Systems and Components emission criteria. Credit 7.6.3 demonstrates compliance to California Department of Public Health (CDPH) Standard Method v1.2 01350 (2017).

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.

ALFI SOFT SLIPCOVER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The optional Alfi Soft slip-cover is intelligently designed for easy dressing and removing, while it also offers the comfort and look of a perfectly fitted, fully upholstered seat. It can be retro-fitted on existing chairs and stools, or ordered as an option for new chairs. Alfi Soft comes in fabric and leather - select from our wide standard range or choose your own. Please contact manufacturer for additional information.

Section 5: General Notes

We make chairs. In America. Often by hand. Mostly from recycled stuff. But always to last. www.emeco.net

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

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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

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.