

CLASSIFICATION: 12 52 13 Seating - Chairs

PRODUCT DESCRIPTION: With the invisible values of design, engineering and strength, the Emeco SU Collection follows the Japanese aesthetic of 'su' — meaning plain or unadorned — the idea that simplicity is not only modest, but could possibly be more appealing than luxury. The Recycled Polyethylene seat, made of 75% post-industrial and 25% post-consumer content, and shaped into the SU seat through rotation molding, comes in three timeless color options – red, flint gray and dark charcoal gray. This record covers all stools available in the SU Collection with an HDPE seat and aluminum frame, including counter stools and barstools. Frames also available in reclaimed oak.

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 11 of 11 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**

**SU ALUMINUM LEGS [6061 ALUMINUM LT-P1 | RES | END | PHY] SU
HDPE SEAT [POLYETHYLENE LT-UNK 1-BUTENE, POLYMER WITH
ETHENE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END PYRROLO[3,4-
C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO- LT-
UNK FERRIC OXIDE YELLOW LT-UNK ALUMINUM, TRIETHYL- LT-P1 | RES
TITANIUM TETRACHLORIDE LT-P1 | SKI | MAM] SU CENTER HUB [6061
ALUMINUM LT-P1 | RES | END | PHY] MOUNTING SCREW [6061
ALUMINUM LT-P1 | RES | END | PHY] THREADED INSERT FOR SU HDPE
SEAT [ALUMINUM LT-P1 | RES | END | PHY] SU GLIDES FOR ALUMINUM
FRAME [1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-
HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-
DIISOCYANATOMETHYLBENZENE NoGS] LEG MOUNTING BUSHINGS [
1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-
HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-
DIISOCYANATOMETHYLBENZENE NoGS] SU FRAME FASTENERS [
STEEL NoGS ZINC LT-P1 | AQU | END | MUL | PHY] FOOTREST
GROMMETS [1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-
HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-
DIISOCYANATOMETHYLBENZENE NoGS] MOUNTING DISC SU
FOOTREST [6061 ALUMINUM LT-P1 | RES | END | PHY]**

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).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Intertek ETL Environmental VOC+

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: **2018-03-29**

PUBLISHED DATE: **2018-05-16**

EXPIRY DATE: **2021-03-29**



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

SU ALUMINUM LEGS

%: 56.7000 - 57.1000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material reported as range due to the various seating options available in the SU Collection.

6061 ALUMINUM

ID: 7429-90-5

%: 100.0000

GS: LT-P1

RC: Both

NANO: No

ROLE: Base 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: Aluminum is anodized. Supplier letter confirms 80% recycled content. Supplier has confirmed that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (98.0%; 7429-90-5; LT-P1); Magnesium (0.9-1.2%; 7439-95-4; LT-UNK); Silicon (0.4-0.8%; 7440-21-3; LT-UNK); Copper (0.15-0.4%; 7440-50-8; LT-UNK); Iron (0.7%; 7439-89-6; LT-P1); Chromium (0.04-0.8; 7440-47-3); Zinc (0.25%, 7440-66-6); Manganese (0.15%; 7439-96-5); Titanium (0.15%; 7440-32-6)

SU HPDE SEAT

%: 18.0000 - 28.0000

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 reported as range due to the various seating options available in the

POLYETHYLENE

ID: 9002-88-4

%: **98.0000** GS: **LT-UNK** RC: **PostC** NANO: **No** ROLE: **Plastic substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: High density polyethylene (HDPE) obtained from various domestic (USA) suppliers. May also include 25213-02-9 (LT-UNK | NO) and 25087-34-7 (LT-UNK | NO). Specific guidelines are being created by the HPD Collaborative to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including Plastics/Polymers and Recycled Content - Mixtures. This HPD will be updated as appropriate when these Special Conditions guidelines become available. Material contains 49% post-consumer recycled content from curbside collection programs, including milk jugs and detergent bottles.

1-BUTENE, POLYMER WITH ETHENE

ID: 25087-34-7

%: **0.0700 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment substrate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Percent by weight of substance reported as range due to the various color options available in the SU Collection.

TITANIUM DIOXIDE

ID: 13463-67-7

%: **0.0400 - 0.9000** 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 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>).

PYRROLO[3,4-C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO-

ID: 84632-65-5

%: **0.0000 - 0.3000** 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: Percent by weight of substance reported as range due to the various color options available in the SU Collection.

FERRIC OXIDE YELLOW

ID: 51274-00-1

#: 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: Percent by weight of substance reported as range due to the various color options available in the SU Collection.

ALUMINUM, TRIETHYL-

ID: 97-93-8

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Potential Residual/Impurity of HDPE (25213-02-9), as predicted by Process Chemistry (Pharos CML). Catalyst (homogeneous/unstructured/unknown); Frequent; Percentage: Unknown. This potential Residual/Impurity is listed for virgin HDPE only; no potential residual hazards are currently identified for recycled HDPE (Pharos CML). If present, substance would be encapsulated in resin of finished product, and thus hazards are not expected to apply.

TITANIUM TETRACHLORIDE

ID: 7550-45-0

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION EU - GHS (H-Statements) H314 - Causes severe skin burns and eye damage

MAMMALIAN US EPA - EPCRA Extremely Hazardous Substances Extremely Hazardous Substances

SUBSTANCE NOTES: Potential Residual/Impurity of HDPE (25213-02-9), as predicted by Process Chemistry (Pharos CML). Catalyst (homogeneous/unstructured/unknown); Frequent; Percentage: Unknown. This potential Residual/Impurity is listed for virgin HDPE only; no potential residual hazards are currently identified for recycled HDPE (Pharos CML). If present, substance would be encapsulated in resin of finished product, and thus hazards are not expected to apply.

SU CENTER HUB

#: 10.7000 - 16.7000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material reported as range due to the various seating options available in the SU Collection.

6061 ALUMINUM

ID: 7429-90-5

#: 100.0000	GS: LT-P1	RC: Both	NANO: No	ROLE: Base 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: Aluminum is anodized. Supplier letter confirms 80% recycled content and supplier SDS confirms that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (98.0%; 7429-90-5; LT-P1); Magnesium (0.9-1.2%; 7439-95-4; LT-UNK); Silicon (0.4-0.8%; 7440-21-3; LT-UNK); Copper (0.15-0.4%; 7440-50-8; LT-UNK); Iron (0.7%; 7439-89-6; LT-P1); Chromium (0.04-0.8; 7440-47-3); Zinc (0.25%, 7440-66-6); Manganese (0.15%; 7439-96-5); Titanium (0.15%; 7440-32-6)

MOUNTING SCREW

#: **1.0000 - 1.7000**

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material reported as range due to the various seating options available in the SU Collection.

6061 ALUMINUM

ID: 7429-90-5

#: 100.0000	GS: LT-P1	RC: Both	NANO: No	ROLE: Base 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: Aluminum is anodized. Supplier letter confirms 80% recycled content and supplier SDS confirms that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (98.0%; 7429-90-5; LT-P1); Magnesium (0.9-1.2%; 7439-95-4; LT-UNK); Silicon (0.4-0.8%; 7440-21-3; LT-UNK); Copper (0.15-0.4%; 7440-50-8; LT-UNK); Iron (0.7%; 7439-89-6; LT-P1); Chromium (0.04-0.8; 7440-47-3); Zinc (0.25%, 7440-66-6); Manganese (0.15%; 7439-96-5); Titanium (0.15%; 7440-32-6)

THREADED INSERT FOR SU HDPE SEAT

%: 1.0000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Inserted into SU HDPE Seat.

ALUMINUM

ID: 7429-90-5

%: 100.0000 GS: LT-P1 RC: None NANO: No ROLE: Base 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:

SU GLIDES FOR ALUMINUM FRAME

%: 0.8000 - 1.3000

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 based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Inserted into leg bottom.

1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-HYDROXYPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-DIISOCYANATOMETHYLBENZENE

ID: 68400-67-9

%: 99.0000 - 100.0000 GS: NoGS RC: None NANO: No ROLE: Thermoplastic polyurethane

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LEG MOUNTING BUSHINGS

#: 0.7000 - 1.2000

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 based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Inserted into SU seat to secure legs.

1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-DIISOCYANATOMETHYLBENZENE

ID: 68400-67-9

#: 99.0000 - 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Thermoplastic resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SU FRAME FASTENERS

#: 0.5000 - 0.8000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material reported as range due to the various seating options available in the SU Collection.

STEEL

ID: 12597-69-2

#: 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: SAE 1008 or 1010 : This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML).

#: **2.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Metallic coating**

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: 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.

FOOTREST GROMMETS

#: **0.3000**

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 based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: **Used on counter and barstools only.**

1,3-BUTANEDIOL, POLYMER WITH ALPHA-BUTYL-OMEGA-HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-DIISOCYANATOMETHYLBENZENE

ID: **68400-67-9**#: **99.0000 - 100.0000**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:

MOUNTING DISC

#: **0.0700 - 0.1100**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

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

SU FOOTREST

%: 0.0000 - 22.2000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Footrest used on counter and barstool only. Percent by weight of material reported as range due to the various seating options available in the SU Collection.

6061 ALUMINUM

ID: 7429-90-5

%: 100.0000 GS: **LT-P1** RC: **Both** NANO: **No** ROLE: **Base 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: Aluminum is anodized. Supplier letter confirms 80% recycled content and supplier SDS confirms that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (98.0%; 7429-90-5; LT-P1); Magnesium (0.9-1.2%; 7439-95-4; LT-UNK); Silicon (0.4-0.8%; 7440-21-3; LT-UNK); Copper (0.15-0.4%; 7440-50-8; LT-UNK); Iron (0.7%; 7439-89-6; LT-P1); Chromium (0.04-0.8; 7440-47-3); Zinc (0.25%, 7440-66-6); Manganese (0.15%; 7439-96-5); Titanium (0.15%; 7440-32-6)

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

Intertek ETL Environmental VOC+

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **Intertek**

APPLICABLE FACILITIES: **Emeco Industries, Hanover, PA
17331**

04-27

CERTIFICATE URL:

<http://www.intertek.com/directories/environmental-sustainability-solutions/etl-voc/>

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.

FELT SEAT PAD

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Optional Felt Seat Pad made of recycled PET. The seat pad is formed to match the iconic seat form used on Emeco chairs since 1944. Please contact manufacturer if more information is required.

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 W Elm Avenue**

Hanover PA 17331, United States

WEBSITE: **www.emeco.net**

CONTACT NAME: **Gregg Buchbinder**

TITLE: **CEO**

PHONE: **7176375951**

EMAIL: **info@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

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.