

HPD UNIQUE IDENTIFIER: 26629

CLASSIFICATION: 12 50 00 Furniture

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.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<b>Inventory Reporting Format</b>	<b>Threshold Level</b>	<b>Residuals/Impurities</b>	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Considered in 11 of 11 Materials	<b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>% weight and role provided for all substances.</i>
<b>Threshold Disclosed Per</b>	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other		<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product			<b>Identified</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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

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 2.2, 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

VOC Content data is not applicable for this product category.

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

VOC emissions: CDPH Standard Method V1.1 (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.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### SU ALUMINUM LEGS

#: 56.7000 - 57.1000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-11-24 6:27:31

#: 100.0000

GS: BM-1

RC: Both

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]

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 HDPE SEAT

#: 18.0000 - 28.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

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 SU Collection.

### POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-11-24 6:27:33

#: 98.0000

GS: LT-UNK

RC: PostC

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: 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:34**

#: **0.0700 - 2.0000** 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: 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:35**

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

### FERRIC OXIDE YELLOW

ID: 51274-00-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:36**

#: **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: 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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:36**%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:37**%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]

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.

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

ID: 84632-65-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:37**%: **0.0000 - 0.3000** 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: Percent by weight of substance reported as range due to the various color options available in the SU Collection.

**SU CENTER HUB**%: **10.7000 - 16.7000**PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

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.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:28**%: **100.0000** GS: **BM-1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]

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**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

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**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:30**%: **100.0000** GS: **BM-1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]

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**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-24 6:27:29

#: 100.0000 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]

SUBSTANCE NOTES:

## SU GLIDES FOR ALUMINUM FRAME

#: 0.8000 - 1.3000

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

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-HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-DIISOCYANATOMETHYLBENZENE

ID: 68400-67-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-24 6:27:31

#: 99.0000 - 100.0000 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:

## LEG MOUNTING BUSHINGS

#: 0.7000 - 1.2000

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

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-HYDROXYPOLY(OXY(METHYL-1,2-ETHANEDIYL)) AND 1,3-DIISOCYANATOMETHYLBENZENE**

ID: 68400-67-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:32**

%: **99.0000 - 100.0000** 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:

**SU FRAME FASTENERS**

%: **0.5000 - 0.8000**

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

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**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-24 6:27:33**

%: **98.0000** 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: SAE 1008 or 1010 : 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 6:27:34**

%: **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 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

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

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2021-11-24 6:27:32

%: 99.0000 - 100.0000      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:

#### MOUNTING DISC

%: 0.0700 - 0.1100

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

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.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-11-24 6:27:28

#: 100.0000 GS: BM-1 RC: Both NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3]

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	CDPH Standard Method V1.1 (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	08		
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.

## 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)

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**MANUFACTURER INFORMATION**

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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**

*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.*

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**KEY**

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**Hazard Types**

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

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> 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

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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.*