

HPD UNIQUE IDENTIFIER: 25811

CLASSIFICATION: 12 52 13 Chairs

PRODUCT DESCRIPTION: The Parrish Collection was originally designed for the Parrish Art Museum in New York. Just like the modest museum building holds an internal complexity, Parrish combines a subtle design with a heartfelt technical core. The slender frame is made of recycled aluminum, available in three finishes. The seats are made of reclaimed polypropylene, suitable for outdoor use.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i> Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No % weight and role provided for all substances. Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No All substances screened using Priority Hazard Lists with results disclosed. Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Residuals/Impurities	
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	Considered in 9 of 9 Materials	
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	
<input type="radio"/> Material	<input type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<input checked="" type="radio"/> Product			

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
PARRISH FRAME [ALUMINUM (6063 ALUMINUM) BM-1 | END | RES | PHY] PARRISH WOOD SEAT [WALNUT NoGS PINE NoGS MAPLE NoGS] PARRISH HEART [ALUMINUM (A360 ALUMINUM) BM-1 | END | RES | PHY] PARRISH BUMPERS [TITANIUM DIOXIDE LT-1 | CAN | END] CARBON BLACK BM-1 | CAN] PARRISH ASSEMBLY FASTENERS [STAINLESS STEEL NoGS] PARRISH GLIDES [POLYCARBONATE LT-UNK CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL) LT-UNK] ASSEMBLY ADHESIVE [MERCURIC NITRATE LT-1 | CAN | PBT | SKI | MUL | DEV | AQU | MAM] SILICA, VITREOUS LT-1 | CAN] CARBON BLACK BM-1 | CAN] CRISTOBALITE LT-1 | CAN] WOOD LACQUER PARRISH POWDER COAT [TRIGLYCIDYL ISOCYANURATE LT-1 | MUL | RES | GEN | MAM | SKI | EYE] TITANIUM DIOXIDE LT-1 | CAN | END]

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. Substances not "Identified" are those considered proprietary to suppliers, and are thus "Undisclosed" on this HPD.

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?	PREPARER: Self-Prepared	SCREENING DATE: 2021-08-16
<input type="radio"/> Yes	VERIFIER:	PUBLISHED DATE: 2021-08-16
<input checked="" type="radio"/> No	VERIFICATION #:	EXPIRY DATE: 2024-08-16

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

PARRISH FRAME

#: 47.5000 - 50.7000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

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

OTHER MATERIAL NOTES: Material represents frame of Parrish Chairs. Percent by weight of material and substances given as range to account for various seating options.

ALUMINUM (6063 ALUMINUM)

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-08-16 6:10:01

#: 100.0000

GS: BM-1

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

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)	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements)	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 or powder-coated. Supplier confirms that Aluminum used consists of 100% recycled content. Supplier datasheet confirms that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (>98%; 7429-90-5; LT-P1); Magnesium (0.45-0.9%; 7439-95-4; LT-UNK); Silicon (0.2-0.6%; 7440-21-3; LT-UNK); Manganese (<0.1%; 7439-96-5); Copper (1.4%; 7440-50-8; LT-UNK); Iron (<0.35%; 7439-89-6; LT-P1); Chromium (<0.1%; 7440-47-3); Zinc (<0.1%, 7440-66-6); Titanium (<0.1%, 7440-32-6).

PARRISH WOOD SEAT

#: 25.2000 - 26.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Wood or Lumber

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 and colors available in The Parrish Collection.

WALNUTID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:06**%: **0.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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). Percentage by weight given as a range due to the various wood options in the Parrish collection.

PINEID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:07**%: **0.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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). Percentage by weight given as a range due to the various wood options in the Parrish collection.

MAPLEID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:07**%: **0.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Biological material**

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). Percentage by weight given as a range due to the various wood options in the Parrish Collection

PARRISH HEART%: **18.2000 - 21.4000**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 Parrish Collection

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:02**%: **100.0000** GS: **BM-1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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)	H228 - Flammable solid [Flammable solids - Category 1 or 2]
PHY	EU - GHS (H-Statements)	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 or powder-coated. Supplier confirms that Aluminum used consists of 100% recycled content. Supplier datasheet confirms that the composition includes the following substances at or above the declared Content Inventory Threshold: Aluminum (>89.0%; 7429-90-5; LT-P1); Magnesium (0.4-0.6%; 7439-95-4; LT-UNK); Silicon (9.0-10.0%; 7440-21-3; LT-UNK); Manganese (<0.35%; 7439-96-5); Copper (<0.6%; 7440-50-8; LT-UNK); Iron (<1.3%; 7439-89-6; LT-P1); Zinc (<0.5%, 7440-66-6); Nickel (<0.5%, 7440-02-0); Titanium (<0.25%, 7440-32-6); Tin (<0.15%, 7440-31-5).

PARRISH BUMPERS%: **1.9000 - 2.2000**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: Installed between Parrish Frame and Parrish Seat

TITANIUM DIOXIDEID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:08**%: **0.0000 - 0.0750** 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)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:09**

#: 0.0000 - 100.0000 GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES:

PARRISH ASSEMBLY FASTENERS

#: 1.0000 - 1.5000

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Used to assembly the Parrish Frame

STAINLESS STEEL

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:02**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES:

PARRISH GLIDES%: **0.4500 - 0.5200**

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: Installed into the Parrish Frame.

POLYCARBONATE

ID: 25037-45-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:03**%: **96.0000 - 98.0000** 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:

CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS[PHENOL]

ID: 25971-63-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:04**%: **1.0000 - 2.0000** 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:

ASSEMBLY ADHESIVE%: **0.4000**

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 as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Used to assemble the Parrish Frame

MERCURIC NITRATE

ID: 10045-94-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-16 6:10:03

#: 61.5000 - 80.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
DEV	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Toxics Release Inventory PBTs	PBT
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	EU - GHS (H-Statements)	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	EU - GHS (H-Statements)	H300 - Fatal if swallowed [Acute toxicity (oral) - Category 1 or 2]
MAM	EU - GHS (H-Statements)	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]

SUBSTANCE NOTES:

SILICA, VITREOUS

ID: 60676-86-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-16 6:10:04

#: 16.5000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-16 6:10:05

#: 0.4000 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Pigment

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

SUBSTANCE NOTES:

CRISTOBALITE

ID: 14464-46-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-08-16 6:10:06**

%: **0.1400** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]

SUBSTANCE NOTES:

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.

PARRISH POWDER COAT

%: **0.0000 - 2.0000**

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: Powdercoating sometimes applied to Parrish Frame and Parrish Heart. Percent by weight of material and substances given as range to account for various seating and finish options.

TRIGLYCIDYL ISOCYANURATE

ID: 2451-62-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-16 6:10:05

%: 1.0000 - 5.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Curing agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
GEN	EU - Annex VI CMRs	Mutagen - Category 1B
GEN	EU - SVHC Authorisation List	Mutagenic - Candidate list
GEN	GHS - New Zealand	6.6A - Known or presumed human mutagens
GEN	EU - GHS (H-Statements)	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
GEN	GHS - Japan	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1B]
MAM	EU - GHS (H-Statements)	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements)	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	EU - GHS (H-Statements)	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
GEN	GHS - Korea	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1]

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-08-16 6:10:09

%: 0.0000 - 40.0000 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)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). Form-specific hazards: airborne particles of respirable size – occupational setting.

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: 2021-08- EXPIRY DATE:

CERTIFIER OR LAB: Intertek

APPLICABLE FACILITIES: Hanover PA 17331 USA

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CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Intertek Clean Air Gold

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

MANUFACTURER INFORMATION

MANUFACTURER: **emeco**
 ADDRESS: **805 W Elm Avenue**
Hanover PA 17331, United States
 WEBSITE: **www.emeco.net**

CONTACT NAME: **Efe Oztas**
 TITLE: **Sales Coordinator**
 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.

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)	
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)	NoGS No GreenScreen.

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.