

**CLASSIFICATION:** 09 64 30 Engineered Wood Flooring

**PRODUCT DESCRIPTION:** 5/8" Engineered American Chestnut is the quintessential reclaimed wood for a romantic floor or a storied wall. Decimated by a fungal blight in the early 20th century, Chestnut is no longer available as a fresh-sawn wood. We salvage old barns to find this one-of-a-kind wood and skip plane it to maximize its textural and color variation. In addition to saw marks and patina, you are guaranteed to find insect marks, nail holes, and knots. Manufactured entirely in our NY facility with a 3/16" (4.76 mm) wear layer on 12 mm FSC certified ULEF Baltic birch plywood. Our wear layers are adhered to the platform using a formaldehyde free adhesive.

## 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 4 of 4 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances except SC substances characterized according to SC guidance.*

**Screened**  Yes Ex/SC  Yes  No  
*All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.*

**Identified**  Yes Ex/SC  Yes  No  
*All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.*

### 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**

**SC: BIO: PLATFORM-BIRCH [ SC: BALTIC BIRCH Not Screened ]**  
**SC: BIO: AMERICAN CHESTNUT [ SC: CHESTNUT Not Screened ] PLYWOOD**  
**PLATFORM BINDER [ PHENOL FORMALDEHYDE LT-P1 | RES SODIUM HYDROXIDE LT-P1 | SKI | PHY CALCIUM CARBONATE BM-3 ] WEAR LAYER ADHESIVE [ HIGH MW TRIFUNCTIONAL ISOCYANATE SILICONE PREPOLYMER NoGS 4,4'-DIPHENYLMETHANE DIISOCYANATE (PRIMARY CASRN IS 101-68-8) LT-UNK | RES | MUL | SKI | EYE | CAN CARBON BLACK (USE CASRN 1333-86-4) LT-1 | CAN ]**

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

#### INVENTORY AND SCREENING NOTES:

Special conditions applied: Biological Material

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

All adhesives used in this engineered flooring emit at extremely low levels and meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

### 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: UL/GreenGuard Gold Certified  
Sustainable forestry: FSC Certification - Mixed Credit

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-02-05

PUBLISHED DATE: 2020-02-05

EXPIRY DATE: 2023-02-05





## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### SC: BIO: PLATFORM- BIRCH

%: 48.00 - 54.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This is natural wood and contains no residuals or impurities.

HPD URL: <https://pioneermillworks.com/product/engineered-wood-products>

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Baltic birch is the veneer component of the plywood used in our floors.

### SC: BALTIC BIRCH

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-05

%: 100.00

GS: Not Screened

RC: None

NANO: No

ROLE: Platform

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: Betula

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

This is natural wood and contains no residuals or impurities.

### SC: BIO: AMERICAN CHESTNUT

%: 39.00 - 41.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Pioneer Millworks has taken steps – such as those outlined in Emerging Best Practices – to understand what residuals and impurities may be present in this material and disclose that information on the HPD. No known residuals or impurities were found.

HPD URL: <https://pioneermillworks.com/product/chestnut-settlers-plank>

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Chestnut is a natural hardwood used for the visible top layer of our engineered flooring.

**SC:CHESTNUT**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-05**

#: **100.00**

GS: **Not Screened**

RC: **PostC**

NANO: **No**

ROLE: **Surface wear layer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:

Version: **SCBioMats/2018-02-23**

Category: **Tree-based materials**

Identifier: **Castanea dentata**

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

This is natural wood and contains no residuals or impurities.

**PLYWOOD PLATFORM BINDER**

#: **5.00 - 9.00**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Pioneer Millworks has taken steps – such as those outlined in Emerging Best Practices – to understand what residuals and impurities may be present in this material and disclose that information on the HPD. No known residuals or impurities were found.**

HPD URL: <https://pionermillworks.com/product/engineered-wood-products>

OTHER MATERIAL NOTES: **The adhesive binder used to laminate the birch veneers in our ULEF plywood platform emits at extremely low levels and meets the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.**

**PHENOL FORMALDEHYDE**

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-05**%: **90.00 - 99.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**RESPIRATORY****AOEC - Asthmagens****Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES: Adhesives used in this engineered flooring emit at extremely low levels and meets the stringent limits set by EPA/CARB, as verified by independent testing and Greenguard Gold certification.

**SODIUM HYDROXIDE**

ID: 1310-73-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-05**%: **2.50 - 9.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Solubilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**SKIN IRRITATION****EU - GHS (H-Statements)****H314 - Causes severe skin burns and eye damage****PHYSICAL HAZARD (REACTIVE)****GHS - Korea****H290 - May be corrosive to metals**

SUBSTANCE NOTES: The adhesive used to laminate birch veneers in our ULEF plywood platform emits at extremely low levels and meets the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

**CALCIUM CARBONATE**

ID: 471-34-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-05**%: **0.02 - 1.00**GS: **BM-3**RC: **None**NANO: **No**ROLE: **Adhesive filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: Chalk is used in some phenol formaldehyde resins but not in all products, which is indicated by the range percentage used to declare this substance.

**WEAR LAYER ADHESIVE**%: **1.00 - 3.00**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Pioneer Millworks has taken steps – such as those outlined in Emerging Best Practices – to understand what residuals and impurities may be present in this material and disclose that information on the HPD. No known residuals or impurities were found.

HPD URL: <https://pioneermillworks.com/product/engineered-wood-products>

OTHER MATERIAL NOTES: The manufacturer of this proprietary adhesive has provided an affidavit attesting that there are no red list ingredients added to this glue. This adhesive when used in our engineered flooring emits at extremely low levels and meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

**HIGH MW TRIFUNCTIONAL ISOCYANATE SILICONE PREPOLYMER**

ID: 1411848-76-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-05**

#: **50.00 - 70.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Binder**

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

SUBSTANCE NOTES: A signed affidavit from the manufacturer states that they do not intentionally add any red list ingredients when manufacturing this proprietary adhesive. This adhesive when used in our engineered flooring emits at extremely low levels and meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

**4,4'-DIPHENYLMETHANE DIISOCYANATE (PRIMARY CASRN IS 101-68-8)**

ID: 2056146-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-05**

#: **1.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Adhesive ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: This adhesive when used in our engineered flooring emits at extremely low levels and meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

**CARBON BLACK (USE CASRN 1333-86-4)**

ID: 101239-80-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-05**

#: **0.10 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Adhesive ingredient**

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

**SUBSTANCE NOTES:** This adhesive when used in our engineered flooring emits at extremely low levels and meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.

## 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

### UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-**

EXPIRY DATE: **2020-**

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

**02-11**

**02-11**

**Environment**

CERTIFICATE URL: [https://spot.ul.com/main-app/products/detail/5c61c66355b0e8bd10e11ddb?page\\_type=Products%20Catalog](https://spot.ul.com/main-app/products/detail/5c61c66355b0e8bd10e11ddb?page_type=Products%20Catalog)

CERTIFICATION AND COMPLIANCE NOTES: Certification applies to all engineered wood floors manufactured by Pioneer Millworks. Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

### SUSTAINABLE FORESTRY

### FSC Certification - Mixed Credit

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **All**

**12-28**

**12-29**

**Services**

CERTIFICATE URL: <https://info.fsc.org/details.php?id=a024000000857A4AAI&type=certificate>

CERTIFICATION AND COMPLIANCE NOTES: Certificate Code: SCS-COC-003998-D - FSC Mix

## 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

Our engineered floors meet the stringent limits set by EPA/CARB, as verified by third party testing and Greenguard Gold certification.





## MANUFACTURER INFORMATION

---

MANUFACTURER: **Pioneer Millworks**  
ADDRESS: **1180 Commercial Drive**  
**Farmington New York 14425, United States**  
WEBSITE: <https://pionermillworks.com/>

CONTACT NAME: **Michele Caryl**  
TITLE: **Acquisitions Manager**  
PHONE: **585-924-9970**  
EMAIL: [michele@pionermillworks.com](mailto:michele@pionermillworks.com)

## 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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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.*