



Section 1: Summary

Basic Method/Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	For all contents above the threshold, the manufacturer has:
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided:	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>Provided name and CAS RN or other 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
PUREBOND[®] FORMALDEHYDE FREE PLYWOOD [SC: Poplar Not Screened Flour, Soy NoGS SC: Organic Compound Not Screened]
SC: HempWood [Industrial Hemp Stalks Not Screened Soy-Based Adhesive Resin Undisclosed] H.B. Fuller Hot Melt PUR [Undisclosed] NoGS Bona Traffic HD[®] [Water BM-4 Polymeric Resins NoGS Amorphous Silica BM-1]

Number of Greenscreen BM-4/BM-3 contents: 1

Contents highest concern GreenScreen
Benchmark or List translator Score: BM-1
Nanomaterial: N/A

INVENTORY AND SCREENING NOTES: This Health Product Declaration Form (HPD) was completed in accordance with HPD Standard Version 2.3, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight for each substance. Substances not "identified" are those considered proprietary to suppliers, and thus are "Undisclosed" on this HPD.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): N/A Regulatory (g/l): N/A

Does the product contain exempt VOCs? No

Are colorants available that do not increase the VOC content of the base paint when tinted? Yes

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

ASTM D6007-14 VOC Emissions: <0/008 ppm

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?	PREPARER: Fibonacci LLC	SCREENING DATE: 11/1/2024
<input type="radio"/> Yes	VERIFIER:	PUBLISHED DATE: 11/1/2024
<input checked="" type="radio"/> No	VERIFICATION #:	EXPIRY DATE: 11/1/2027



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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard.

PUREBOND® FORMALDEHYDE-FREE PLYWOOD %: 50.0000-55.0000

PRODUCT THRESHOLD:100 PPM

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS/IMPURITIES NOTES: PureBond® plywood is comprised of no added formaldehyde components and assembled with no added formaldehyde adhesives. No known residuals or impurities were found in this material.

OTHER PRODUCT NOTES: This is the flooring platform.

SC: Poplar

ID: SC:Bio

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

HAZARD SCREENING DATE: 2021-02-24

%: 95.0000 - 96.0000

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Structure Component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: Populus

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. FSC-Certified wood is used for each layer of this plywood.

Flour, Soy

ID: 68513-95-1

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

HAZARD SCREENING DATE: 2021-02-24

%: 1.0000 - 4.0000

GS: NoGS

RC: None

NANO: Unknown

SUBSTANCE ROLE: Adhesive

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Soyad adhesives are water-based systems formulated with natural soy flour and a proprietary cross-linking resin. When blended together the resin reacts with the protein in the soy flour to form a durable and water-resistant thermoset adhesive.

SC:ORGANIC COMPOUND

ID: SC:Bio

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

HAZARD SCREENING DATE: 2021-02-24

%: 0.5000 - 0.1000

GS: NoGS

RC: None

NANO: Unknown

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: Bio-based proprietary resin

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. Soyad adhesives are water-based systems formulated with natural soy flour and a proprietary cross-linking resin. When blended together the resin reacts with the protein in the soy flour to form a durable and water-resistant thermoset adhesive.

HempWood®

%: 40.0000-45.0000

PRODUCT THRESHOLD:100 PPM

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS/IMPURITIES NOTES: HempWood® is comprised of industrial hemp stalks, soy-based bonding agents, and assembled with no added formaldehyde adhesives. No known residuals or impurities were found in this material.

OTHER PRODUCT NOTES: This is the wear layer.



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:

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Industrial Hemp Stalks

ID:SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-02-24		
%: 80.0000 - 85.0000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Structure Component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-24

Category: Hemp-based materials

Identifier: 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. Various hemp species

Soy-Based Adhesive Resin

ID: Undisclosed

HAZARD SCREENING METHOD: Undisclosed		HAZARD SCREENING DATE: None		
%: 11.0000 - 16.0000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Bonding
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: **Undisclosed**

SC:ORGANIC COMPOUND

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-02-24		
%: 0.5000 - 0.1000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Plant-based materials

Identifier: Bio-based proprietary resin

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. Soyad adhesives are water-based systems formulated with natural soy flour and a proprietary cross-linking resin. When blended together the resin reacts with the protein in the soy flour to form a durable and water-resistant thermoset adhesive.

H.B. Fuller Hot Melt PUR

%: 1.0000-1.2000

PRODUCT THRESHOLD: 100 PPM	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes
RESIDUALS/IMPURITIES NOTE: HempWood has taken steps to understand what residuals and impurities may be present in this material and disclose that information on the HPD. This product is not classified as hazardous under GHS criteria.	
OTHER PRODUCT NOTES: This is the adhesive layer binding HempWood to the plywood platform.	

Undisclosed

ID: Undisclosed

HAZARD SCREENING METHOD: N/A		HAZARD SCREENING DATE: N/A		
%: 0.0000 - 5.0000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: **Undisclosed**



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Bona Traffic HD®

%: 1.0000-1.2000

PRODUCT THRESHOLD:100 PPM

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS/IMPURITIES NOTE: HempWood has taken steps to understand what residuals and impurities may be present in this material and disclose that information on the HPD. This product is not classified as hazardous under GHS criteria.

OTHER PRODUCT NOTES: This is the sealant finish layer.

Water

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-01-06 7:34:45

%: 0.0000 - 5.0000

GS: BM-4

RC: None

NANO: Unknown

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None

None

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

Polymeric Resin

ID: 937182-60-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-01-06 7:34:45

%: 0.0000 - 5.0000

GS: NoGS

RC: UnNK

NANO: Unknown

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-01-06 7:34:45

%: 0.0000 - 5.0000

GS: BM-1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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: Silica is bound within the coating and not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.



Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

Lumber VOC Emissions

Capital Testing Certified

CERTIFYING PARTY: Josh Hosen, Dir. of Certification Programs

ISSUE DATE: 12/9/2021

CERTIFIER OR LAB: Capital Testing and Certification Services

EXPIRY DATE: 12/9/2026

APPLICABLE FACILITIES: All

CERTIFICATE URL: <https://5po4a0.p3cdn1.secureserver.net/wp-content/uploads/2023/02/HempWood%C2%AE-Lumber-VOC-Test-Results.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Test Method Used: ASTM D6007-14

Biobased Content

C.A.I.S. Certified

CERTIFYING PARTY: Michael C Marshall, PhD Assistant Research Scientist & Quality Manager

ISSUE DATE: 8/5/2022.

CERTIFIER OR LAB: Center for Applied Isotope Studies

EXPIRY DATE: N/A

APPLICABLE FACILITIES: All

CERTIFICATE URL: <https://5po4a0.p3cdn1.secureserver.net/wp-content/uploads/2022/11/BioBased-Certification.pdf>

CERTIFICATION AND COMPLIANCE NOTES: Test conducted using ASTM method D6866-20 Radiocarbon (¹⁴C) determination with the stable carbon isotope ratio (^{δ13}C) analyses.



Section 4: Accessories

Required listings here include products or accessories that are required or recommended for installation, cleaning, or operations and maintenance. Manufacturers may list any combination of products made by them or list any combination of their products and/or generics.

No additional accessories required



Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, HempWood expresses no opinion and makes no representations as to the applicability, suitability, accuracy, or completeness of the declaration form, or the standards, rules, classifications, warnings, or criteria utilized or referenced therein. Please refer to HempWood's website for more information on this product at <https://www.hempwood.com>

**MANUFACTURER INFORMATION**

MANUFACTURER: HempWood LLC
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CONTACT NAME: Greg Wilson
 TITLE: CEO, President
 PHONE: (888) 338-1235

EMAIL: office@hempwood.com
 WEBSITE: www.hempwood.com

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	GLO Global warming	PBT Persistence, bioaccumulation, and toxicity
CAN Cancer	LAN Land Toxicity	PHY Physical hazard (reactive)
DEV Developmental toxicity	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
END Endocrine activity	MUL Multiple hazards	RES Respiratory sensitization
EYE Eye irritation/corrosivity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
GEN Gene mutation	OZO Ozone depletion	UNK Unknown

GreenScreen

BM-4 Benchmark-4 (prefer – safer chemical)	LT-P1 List Translator Possible Benchmark-1 (possible Benchmark-1)
BM-3 Benchmark-3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark-1 (likely Benchmark-1)
BM-2 Benchmark-2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark-1 (avoid – chemical of high concern)	NoGS No GreenScreen
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Content 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

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 is:

- A specification for reporting product content and associated health information.

The HPD Open Standard is not:

- A method for the assessment of exposure or risk associated with product handling or use, or
- A method for assessing potential health impacts of:
 - o substances used or created during the manufacturing process or
 - o 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. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

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 Open Standard.

The HPD Open Standard is created, maintained, and evolved by the Health Product Declaration Collaborative (HPDC), a not-for-profit, member organization composed of, and led by, stakeholders throughout the building industry. HPDC is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.