

HPD UNIQUE IDENTIFIER: 23501

CLASSIFICATION: 09 64 33 Laminated Wood Flooring

PRODUCT DESCRIPTION: 1/2" prefinished engineered wood flooring. 2mm thick hardwood wear layer (Maple) on a 10mm thick Eucalyptus or Acacia plywood platform. UV urethane finish with aluminum oxide. Wear layer glued to plywood with EPI adhesive. Plywood veneers glued together with phenol-formaldehyde adhesive.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method <input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material <input checked="" type="radio"/> Product</p>	<p>Threshold level</p> <p><input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p>Residuals/Impurities Considered in 5 of 5 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No <i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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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
PLYWOOD PLATFORM - EUCALYPTUS OR ACACIA [EUCALYPTUS OR ACACIA Not Screened] WEAR LAYER - HARD MAPLE [HARD MAPLE Not Screened] UV URETHANE FINISH, BASE AND TOP COAT [NONHAZARDOUS ACRYLATE POLYMERS Not Screened 1,6-HEXANEDIOL DIACRYLATE [LT-P1] | SKI | EYE | MUL TRIPROPYLENE GLYCOL DIACRYLATE (PRIMARY CASRN IS 42978-66-5) [LT-P1] | AQU | SKI | EYE | MUL METHYL PHENYLGLYOXALATE [LT-UNK] BENZOPHENONE [LT-1] | CAN | END] PHENOL FORMALDEHYDE GLUE [WATER BM-4 PHENOL-FORMALDEHYDE RESIN [LT-P1] | RES PHENOL [LT-P1] | MAM | SKI | GEN | END | MUL | CAN | REP FORMALDEHYDE [BM-1] | RES | CAN | MAM | SKI | GEN | MUL | END] UREA FORMALDEHYDE GLUE [WATER [BM-4] UREA FORMALDEHYDE [LT-P1] | RES]

Number of Greenscreen BM-4/BM3 contents ... 2
 Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The Acrylate Polymers used in our wood flooring finish cannot currently be screened and are considered Special Condition Materials by HPDC. There isn't a single CAS number registered for Acrylate Polymers and neither a GreenScreen score nor associated hazards data for screening is available in the HPD Builder. However, we have confidence that the Acrylate Polymers used are nonhazardous because the finish manufacturer is located in Europe and is subject to the EU REACH regulation which requires that the European Chemicals Agency be notified of the presence of all chemical Substances of Very High Concern. No SVHCs have been reported because none are present. Any hazards associated with the chemicals used in the manufacture of this wood flooring's finish are only present when the finish is in a wet state (i.e. when it is being applied at the factory). Through the UV curing process, the chemicals are altered and become inert such that there is no exposure to the user. Any formaldehyde used in this wood flooring's adhesive system emits at extremely low levels and meets the stringent limits set by EPA/CARB.

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: RFCI FloorScore

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

PREPARER: Self-Prepared

SCREENING DATE: 2020-08-13

Yes
 No

VERIFIER:
VERIFICATION #:

PUBLISHED DATE: 2021-01-20
EXPIRY DATE: 2023-08-13

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.hpdc-collaborative.org/hpd-2-2-standard

PLYWOOD PLATFORM - EUCALYPTUS OR ACACIA %: 81.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Natural wood - no residuals and impurities.

OTHER MATERIAL NOTES:

EUCALYPTUS OR ACACIA

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-08-13

%: 100.0000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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Hazard Screening not performed

SUBSTANCE NOTES:

WEAR LAYER - HARD MAPLE %: 15.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Natural wood - no residuals and impurities.

OTHER MATERIAL NOTES:

HARD MAPLE

ID: Not Registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-08-13

%: 100.0000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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Hazard Screening not performed

SUBSTANCE NOTES:

UV URETHANE FINISH, BASE AND TOP COAT %: 2.0000 - 2.0000

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

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities.

OTHER MATERIAL NOTES:

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **7.0000 - 70.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The Acrylate Polymers used in our wood flooring finish cannot currently be screened and are considered Special Condition Materials by HPDC. There isn't a single CAS number registered for Acrylate Polymers and neither a GreenScreen score nor associated hazards data for screening is available in the HPD Builder. However, we have confidence that the Acrylate Polymers used are nonhazardous because the finish manufacturer is located in Europe and is subject to the EU REACH regulation which requires that the European Chemicals Agency be notified of the presence of all chemical Substances of Very High Concern. No SVHCs have been reported because none are present.

1,6-HEXANEDIOL DIACRYLATEID: **13048-33-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **4.0000 - 40.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

SKI EU - GHS (H-Statements) H315 - Causes skin irritation

SKI EU - GHS (H-Statements) H317 - May cause an allergic skin reaction

EYE EU - GHS (H-Statements) H319 - Causes serious eye irritation

MUL German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SKI MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

TRIPROPYLENE GLYCOL DIACRYLATE (PRIMARY CASRN IS 42978-66-5)ID: **193898-52-1**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **1.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

AQU EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects

SKI EU - GHS (H-Statements) H315 - Causes skin irritation

SKI EU - GHS (H-Statements) H317 - May cause an allergic skin reaction

EYE EU - GHS (H-Statements) H319 - Causes serious eye irritation

MUL German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SKI MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

METHYL PHENYLGLYOXALATE

ID: 15206-55-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Photoinitiator**

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

SUBSTANCE NOTES:

BENZOPHENONE

ID: 119-61-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **1.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Photoinitiator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
END	ChemSec - SIN List	Endocrine Disruption
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

PHENOL FORMALDEHYDE GLUE

%: 1.0000 - 1.0000

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

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities

OTHER MATERIAL NOTES: Adhesive used for plywood lamination.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **50.0000 - 60.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES:

PHENOL-FORMALDEHYDE RESIN

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **35.0000 - 50.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

PHENOL

ID: 108-95-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **0.5000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAM	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKI	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAM	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GEN	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
GEN	GHS - New Zealand	6.6A - Known or presumed human mutagens
GEN	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]
REP	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES:

FORMALDEHYDE

ID: 50-00-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **0.3000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAM	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAM	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKI	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAM	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GEN	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CAN	EU - GHS (H-Statements)	H350 - May cause cancer
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CAN	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]
CAN	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

UREA FORMALDEHYDE GLUE

%: 1.0000 - 1.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No known residuals and impurities

OTHER MATERIAL NOTES: Adhesive used to laminate wood veneers onto plywood core

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **50.0000 - 65.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES:

UREA FORMALDEHYDE

ID: 9011-05-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-13**%: **35.0000 - 50.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

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	RFCI FloorScore		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-06-	EXPIRY DATE:	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: Manufacturing facilities	10		Services
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

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

There are no general notes at this time

MANUFACTURER INFORMATION

MANUFACTURER: Galleher
ADDRESS: 9303 Greenleaf Ave.
Sante Fe Springs CA 90670, United States
WEBSITE: <https://rewardflooring.com>

CONTACT NAME: Douglas Patterson
TITLE: Environmental Compliance Manager
PHONE: 802-989-0476
EMAIL: dpatterson@galleher.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	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)	NoGS No GreenScreen.
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)	

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.