

CLASSIFICATION: 09 64 33 Laminated Wood Flooring

created via: HPDC Online Builder

PRODUCT DESCRIPTION: 15mm thick prefinished engineered wood flooring. 4mm thick American Oak wear layer on an 11mm thick Baltic Birch plywood platform. UV urethane finish. Wear layer glued to plywood with EPI formaldehyde-free adhesive. Plywood veneers glued together with phenol formaldehyde (PF) 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 6 of 6 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
 Percent Weight and Role Provided?

Screened Yes No
 Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
 Name and Identifier Provided?

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 - RUSSIAN BIRCH [RUSSIAN BIRCH **NoGS**] WEAR LAYER - AMERICAN WHITE OAK [AMERICAN WHITE OAK **NoGS**] UV URETHANE FINISH, BASE COAT AND TOP COAT [NONHAZARDOUS ACRYLATE POLYMERS **NoGS** 1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE) **LT-P1** | EYE | SKI | MUL TRIPROPYL GLYCOL DIACRYLATE **NoGS** METHYL BENZOYLFORMATE (METHYL BENZOYLFORMATE) **LT-UNK** BENZOPHENONE (BENZOPHENONE) **LT-1** | CAN | END] EPI GLUE [WATER (WATER) **BM-4** LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) **LT-UNK** ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA)) **LT-UNK**] PHENOLFORMALDEHYDE GLUE [PHENOL FORMALDEHYDE (PHENOL FORMALDEHYDE) **LT-P1** | RES SODIUM HYDROXIDE (SODIUM HYDROXIDE) **LT-P1** | SKI | PHY] HARDENER FOR EPI GLUE [POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI)) **LT-UNK** | RES | MUL | 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:

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?

- Yes
 No

PREPARER: Self-Prepared
 VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2017-10-11
 PUBLISHED DATE: 2017-11-03
 EXPIRY DATE: 2020-10-11

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

PLYWOOD PLATFORM - RUSSIAN BIRCH

#: 79.5000 - 80.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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

OTHER MATERIAL NOTES:

RUSSIAN BIRCH

ID: Russian birch

#: 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Platform

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

WEAR LAYER - AMERICAN WHITE OAK

#: 19.0000 - 20.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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

OTHER MATERIAL NOTES:

AMERICAN WHITE OAK

ID: Undisclosed

#: 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Wear layer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UV URETHANE FINISH, BASE COAT AND TOP COAT

#: 2.0000 - 5.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

OTHER MATERIAL NOTES: Substances are the chemical components of the base and top coats used in the flooring's UV-cured factory finish. The hazards associated with all of the chemicals used in the manufacture of this 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.

NONHAZARDOUS ACRYLATE POLYMERSID: **Undisclosed**

#: **7.0000 - 70.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Finish**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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 DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE)ID: **13048-33-4**

#: **4.0000 - 40.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Finish**

HAZARDS: AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

TRIPROPYL GLYCOL DIACRYLATEID: **47978-66-5**

#: **1.0000 - 10.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Finish**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHYL BENZOYLFORMATE (METHYL BENZOYLFORMATE)

ID: 15206-55-0

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Finish
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BENZOPHENONE (BENZOPHENONE)

ID: 119-61-9

#: 1.0000 - 5.0000	GS: LT-1	RC: None	NANO: No	ROLE: Finish
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	IARC Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65 Carcinogen
ENDOCRINE	ChemSec - SIN List Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES:

EPI GLUE#: **1.0000 - 2.0000**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes
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RESIDUALS AND IMPURITIES NOTES: There are no known residuals and impurities.

OTHER MATERIAL NOTES: This is the adhesive used to glue the wear layer to the plywood platform.

WATER (WATER)

ID: 7732-18-5

#: 30.0000 - 70.0000	GS: BM-4	RC: None	NANO: No	ROLE: Binder
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 10.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ETHYLENE VINYL ACETATE POLYMER (EVA) (ETHYLENE VINYL ACETATE POLYMER (EVA))

ID: 24937-78-8

#: **10.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

PHENOLFORMALDEHYDE GLUE

#: **1.0000 - 2.0000**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: There are no known residuals and impurities.

OTHER MATERIAL NOTES: Adhesive used to laminate wood veneers into plywood.

PHENOL FORMALDEHYDE (PHENOL FORMALDEHYDE)

ID: 9003-35-4

#: **90.0000 - 97.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Adhesive used to laminate wood veneers into plywood

SODIUM HYDROXIDE (SODIUM HYDROXIDE)

ID: 1310-73-2

#: **2.5000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - R-phrases

R35 - Causes severe burns

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

PHYSICAL HAZARD (REACTIVE)

Korea - GHS

H290: May be corrosive to metals

SUBSTANCE NOTES:

HARDENER FOR EPI GLUE

#: **0.1000 - 0.5000**

HPD URL:

RESIDUALS AND IMPURITIES NOTES: There are no known residuals and impurities.

OTHER MATERIAL NOTES:

POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))

ID: 9016-87-9

%: **100.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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:

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: 2016-12-	EXPIRY DATE:	CERTIFIER OR LAB: Scientific
APPLICABLE FACILITIES: Manufacturing facilities	28		Certification Systems
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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Galleher**

ADDRESS: **9303 Greenleaf Ave.**

Santa Fe Springs CA 90670, United States

WEBSITE: **www.rewardhardwood.com**

CONTACT NAME: **Jason Grant**

TITLE: **Environmental Compliance Manager**

PHONE: **7075365983**

EMAIL: **jgrant@galleher.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

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

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.