

CLASSIFICATION: 09 64 33 Laminated Wood Flooring

created via: HPDC Online Builder

PRODUCT DESCRIPTION: 5/8" prefinished engineered wood flooring. 4mm thick European Oak wear layer on an 8mm thick Baltic Birch plywood platform and a 3mm European Oak back layer. UV urethane finish. 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

#### 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 7 of 7 Materials

#### Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

#### Characterized

Percent Weight and Role Provided?

- Yes  No

#### Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes  No

#### Identified

Name and Identifier Provided?

- Yes  No

### 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 - BALTIC BIRCH [ BALTIC BIRCH NoGS ] WEAR LAYER - EUROPEAN OAK [ EUROPEAN OAK NoGS ] BACK LAYER - EUROPEAN OAK [ EUROPEAN 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

### 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 content: RFCI FloorScore  
Sustainable forestry: FSC Certification - Mixed Credit

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-08-17

PUBLISHED DATE: 2017-08-26

EXPIRY DATE: 2020-08-17

## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### PLYWOOD PLATFORM - BALTIC BIRCH

#: 53.0000

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:

#### BALTIC BIRCH

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:

### WEAR LAYER - EUROPEAN OAK

#: 26.0000

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:

#### EUROPEAN 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: Natural wood.

### BACK LAYER - EUROPEAN OAK

#: 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:

### EUROPEAN OAK

ID: **Undisclosed**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Back layer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Natural wood.

### UV URETHANE FINISH, BASE COAT AND TOP COAT

#: **2.0000 - 5.0000**

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: 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 POLYMERS

ID: **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 DIACRYLATE**

ID: 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**

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**

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

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

**WATER (WATER)**

ID: **7732-18-5**

%: **30.0000 - 70.0000** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Binder**

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**

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 together the wood veneers of the plywood platform.

**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

#: **0.0250 - 0.2500**

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: Hardener for Emulsion Polymer Isocyanate (EPI) glue used to bind together the layers of wood in engineered flooring.

## 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.

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Manufacturing facilities.  
 CERTIFICATE URL:

ISSUE DATE: 2016-12-28  
 EXPIRY DATE:

CERTIFIER OR LAB: Scientific  
 Certification Systems

CERTIFICATION AND COMPLIANCE NOTES:

## SUSTAINABLE FORESTRY

## FSC Certification - Mixed Credit

CERTIFYING PARTY: Third Party  
 APPLICABLE FACILITIES: Manufacturing and distribution  
 facilities.  
 CERTIFICATE URL:

ISSUE DATE: 2016-06-30  
 EXPIRY DATE: 2021-06-29

CERTIFIER OR LAB: GFA

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.monarchplank.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

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*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.*