

CLASSIFICATION: 09 64 33 LAMINATED WOOD FLOORING

PRODUCT DESCRIPTION: 9/16" PREFINISHED ENGINEERED WOOD FLOORING. 3.5MM THICK EUROPEAN OAK HARDWOOD WEAR LAYER ON A 9MM THICK HARDWOOD LUMBER CORE (HEVEA) AND 1.7MM BACK LAYER (SENGON). UV URETHANE FINISH. WOOD LAYERS GLUED TOGETHER WITH AN EPI ADHESIVE WITH HARDENER.

Section 1: Summary

CONTENT INVENTORY

- | | |
|--|---|
| Threshold per material | Residuals and impurities considered in 0 of 6 materials |
| <input type="radio"/> 100 ppm | <input type="radio"/> see Section 2: Material Notes |
| <input type="radio"/> 1,000 ppm | <input checked="" type="radio"/> see Section 5: General Notes |
| <input checked="" type="radio"/> Per GHS SDS | |
| <input type="radio"/> Per OSHA MSDS | |
| <input type="radio"/> Other | |

Based on the selected Content Inventory Threshold:

- | | | |
|---|----------------------------------|----------------------------------|
| Characterized..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes | No |
| Screened..... | <input type="radio"/> | <input checked="" type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes | No |
| Identified..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier? | 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.

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

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

HARDWOOD CORE - HEVEA [HEVEA UNK] HARDWOOD WEAR LAYER - EUROPEAN OAK [EUROPEAN OAK UNK] HARDWOOD BACK LAYER - SENGON [SENGON UNK] UV URETHANE FINISH, BASE COAT AND TOP COAT [NONHAZARDOUS ACRYLATE POLYMERS UNK] 1,6-HEXANEDIOL DIACRYLATE [LT-P1] | EYE | SKI | MUL | TRIPROPYL GLYCOL DIACRYLATE UNK | DIPROPYLENE GLYCOL DIACRYLATE [LT-UNK] METHYL BENZOYLFORMATE [LT-UNK] BENZOPHENONE [LT-1] | CAN | END] EPI GLUE [WATER BM-4 LIMESTONE; CALCIUM CARBONATE [LT-UNK] ETHYLENE VINYL ACETATE POLYMER (EVA) [LT-UNK] HARDENER FOR EPI GLUE [POLYMERIC MDI (PMDI) [LT-UNK] | RES | MUL | CAN]

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. Galleher Corporation will update this HPD once guidelines for reporting Special Condition Materials are published by HPDC.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: FloorScore
 Sustainable forestry: Forest Stewardship Council

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: March 6, 2017	EXPIRY DATE*: March 6, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 25, 2017	* or within 3 months of significant change in product contents

*See HPDC website for details



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

HARDWOOD CORE - HEVEA

%: 63.0000

HPD URL:

Inventory Threshold: Other

Residuals Considered: No

Material Notes: This is the natural wood core (middle layer) of the engineered flooring.

HEVEA

ID:

%: 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Platform

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HARDWOOD WEAR LAYER - EUROPEAN OAK

%: 25.0000

HPD URL:

Inventory Threshold: Other

Residuals Considered: No

Material Notes: This is the natural wood used in the wear layer (the top, visible layer) of the engineered wood flooring.

EUROPEAN OAK

ID:

%: 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Wear layer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

HARDWOOD BACK LAYER - SENGON

%: 11.0000

HPD URL:

Inventory Threshold: Other

Residuals Considered: No

Material Notes: This is the natural wood used in the back (bottom) layer of the engineered wood flooring.

SENGON

ID:

%: 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: Platform

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UV URETHANE FINISH, BASE COAT AND TOP COAT

%: 0.1000 - 0.5000

HPD URL:

Inventory Threshold: Per GHS SDS

Residuals Considered: No

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

%: 7.0000 - 70.0000

GS: UNK

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

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: UNK

RC: None

NANO: NO

ROLE: Finish

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

%: 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:

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

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

%: 0.1000 - 0.5000

HPD URL:

Inventory Threshold: Per GHS SDS

Residuals Considered: No

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

WATER

ID: 7732-18-5

%: 30.0000 - 80.0000	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

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)

ID: 24937-78-8

%: 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:

HARDENER FOR EPI GLUE %: 0.0250 - 0.2500 HPD URL:

Inventory Threshold: Per GHS SDS Residuals Considered: No

Material Notes:

POLYMERIC MDI (PMDI)

ID: 9016-87-9

%: 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
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RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
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CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
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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

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Manufacturing facilities

FloorScore

ISSUE DATE: 2016-12-28

EXPIRY DATE: 0000-00-00

CERTIFIER OR LAB: Scientific Certification Systems

CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All distribution facilities

Forest Stewardship Council

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.



Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: Galleher

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USA

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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

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

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

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 noted.