

Name Kahrs Linnea Hardwood Flooring



Product ID 37 101 Classification 09 64 33.00 Finishes: Laminated Wood Flooring

Website www.kahrs.com

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Description: Kahrs Linnea is a wood veneer floor, created using Kähr's patented three-layer parquet technology. Designed primarily for use in residential applications, Kahrs Linnea is durable, easy to install with a glueless system and easy to maintain. Kahrs Linnea uses a leading edge environmentally preferred sustainable construction holding multiple voc emission certifications globally and contributes to LEED, BREEAM and other certified green construction standards.

Release Date 2014-02-03, Expiry Date 2017-02-03, HPD URL: http://tool.hpdcollaborative.org/uploads/files/hpds/404/454-20140203103517.pdf. Certifier and Certificate # fields are present but empty.

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: [ ] measured 100 ppm (ideal), [ ] measured 1000 ppm, [ ] predicted by process chemistry, [x] as per MSDS (10,000 ppm), [ ] not disclosed, [ ] other. Full Disclosure of Intentional Ingredients: [x] Yes, [ ] No. Full Disclosure of Known Hazards: [x] Yes, [ ] No. Notes: [ ]

Contents in Descending Order of Quantity

Pine , Spruce , Oak , STARCH , FORMIC ACID , WATER , UREA FORMALDEHYDE , METHANOL , acrylate oligomer , propoxylated ethylene , 1-Propanone, 2-hydroxy-2-methyl-1-phenyl- , TRIETHYLENE GLYCOL DIACRYLATE , ALUMINUM CHLORIDE, 6-HYDRATE , FORMALDEHYDE

Hazards: [ ] PBT (Persistent Bioaccumulative Toxic), [x] Cancer, [ ] Gene Mutation. Highest concern GreenScreen score - Benchmark 1: [ ] Neurotoxicity, [x] Mammal, [x] Skin or Eye, [ ] Aquatic toxicity, [ ] Land toxicity, [x] Physical hazard, [ ] Global warming, [ ] Ozone depletion, [x] Multiple, [x] Unknown.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A. Does the product contain exempt VOCs? [x] N/A, [ ] Yes, [ ] No. Are there VOC-free tints available? [x] N/A, [ ] Yes, [ ] No.

Notes

Certifications + Compliance

VOC Emissions: DiBT/AgBB Ü Mark Certification (U Mark ) - Resilient Floor Coverings. VOC Content: N/A. Formaldehyde content: CA 93120 compliant for formaldehyde - Phase 2



The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard	Warnings					Notes
<b>Pine</b>		86 %		N	N	Core Material HDF
None found	No warnings found on HPD Priority lists					CAS# N/A HDF of Pine Wood Fibres CAS# Formaldehyde 50-00-0
<b>Spruce</b>		6 %		N	N	Base Material/Backside Veneer
None found	No warnings found on HPD Priority lists					CAS# N/A Chemically untreated veneer.
<b>Oak</b>		5 %		N	N	Wear Layer
None found	No warnings found on HPD Priority lists					CAS# N/A
<b>STARCH</b>	9005-25-8	0.75 - 1.12 %	U	N	N	in adhesive for bonding of layers
None found	No warnings found on HPD Priority lists					CAS# 9005-25-8
<b>FORMIC ACID</b>	64-18-6	0.03 - 0.3 %	U	N	N	in adhesive for bonding of layers
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					CAS#64-18-6
<b>WATER</b>	7732-18-5	0.01 %		N	N	in adhesive for bonding of layers
None found	No warnings found on HPD Priority lists					CAS#7732-18-5
<b>UREA FORMALDEHYDE</b>	9011-05-6	0.9 - 1.5 %	U	N	N	in adhesive for bonding of layers
None found	No warnings found on HPD Priority lists					CAS# 9011-05-6
<b>METHANOL</b>	67-56-1	0.01 - 0.1 %	BM1	N	N	in adhesive for bonding of layers
DEVELOPMENTAL	NTP-OHAaT: A-Clear evidence of adverse developmental toxicant effects (also in Prop 65)					CAS#67-56-1
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					
ORGAN TOXICANT	EU R-Phrases: R39: Danger of very serious irreversible effects. (also in EU H-Statements)					

FLAMMABLE	EU H-Statements: H225 Highly flammable liquid and vapour.					
<b>acrylate oligomer</b>	CAS# 1184916-69-5	0.3 %		N	N	in the surface treatment lacquer hardwood flooring
None found	No warnings found on HPD Priority lists					CAS# 1184916-69-5 acrylate oligomer
<b>propoxylated ethylene</b>	CAS# 123813-18-3	0.05 %		N	N	in the surface treatment lacquer hardwood flooring
None found	No warnings found on HPD Priority lists					CAS# 123813-18-3
<b>1-Propanone, 2-hydroxy-2-methyl-1-phenyl-</b>	7473-98-5	0.01 %	U	N	N	in the surface treatment lacquer hardwood flooring
None found	No warnings found on HPD Priority lists					CAS 7473-98-5
<b>TRIETHYLENE GLYCOL DIACRYLATE</b>	1680-21-3	0.01 %	U	N	N	in the surface treatment lacquer hardwood flooring
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					CAS# 1680-21-3
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
<b>ALUMINUM CHLORIDE, 6-HYDRATE</b>	7784-13-6	0.03 - 0.3 %	U	N	N	in the surface treatment lacquer hardwood flooring
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					CAS#7784-12-6
<b>FORMALDEHYDE</b>	50-00-0	0.03 - 0.3 %	BM1	N	N	in adhesive for bonding of layers
CANCER	IARC: Group 1: Agent is carcinogenic to humans (also in NTP-RoC, EPA-C, Prop 65, NIOSH-C, EU R-Phrases, EU H-Statements, MAK)					CAS#50-00-0
RESPIRATORY	AOEC: Asthmagen (AG) - generally accepted					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction (also in EU R-Phrases)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
MULTIPLE	VwWwS: Class 2 Hazard to Waters					

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory	
	Certifying Party	Issue Date	Expiry Date	Certificate URL	
	Applicable Facilities			Notes	
VOC Emissions	DiBT/AgBB Ü Mark Certification (U Mark ) - Resilient Floor Coverings			German DiBT Institute	
	3rd party independent certification	2008-02-14		<a href="https://drive.google.com/file/d/0B-iJKIQMPfmxR2pDcHU5V1hoZjg/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfmxR2pDcHU5V1hoZjg/edit?usp=sharing</a>	

	All			
VOC Content	N/A			
Recycled Content	Not tested			
Formaldehyde content	CA 93120 compliant for formaldehyde - Phase 2			California Air Resources Board (CARB)
	Government enforced claim	2009-07-23	2015-07-23	<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxpSSzZmY3M0R2s/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxpSSzZmY3M0R2s/edit?usp=sharing</a>
	All			
		2013-03-25		<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxQ0VYR2h0S1diX2s/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxQ0VYR2h0S1diX2s/edit?usp=sharing</a>
	all			No PCP in product
		2013-10-10	2014-04-01	<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxSnRaeGxVSC1keFk/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxSnRaeGxVSC1keFk/edit?usp=sharing</a>
	All			

## ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
Kährs Wood Cleaner (VOC 0.00 g/L)	<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxTGIVRUFxblpXV0k/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxTGIVRUFxblpXV0k/edit?usp=sharing</a>
Immediately: Blot up spills or spots with a lightly damp (well-wrung) cloth. Frequently: Vacuum or sweep your floor daily to prevent dirt, dust and grit from scratching or dulling its finish. Periodically: To help extend the life of a Kährs floor and to remove all cloudy residue or dulling dirt-film layers, clean it regularly with Kährs Wood Cleaner. Complete instructions can be found on the label of each bottle of cleaner. Kährs Wood Cleaner is specially formulated to clean no- wax wood finishes like Kährs factory finish. It's a cleaner, not a polish, and it contains no waxes or oils. However, since it removes the dulling residue that builds up on the surface of the floor and dries clear with no streaking, it appears to enhance the shine. Non-toxic vapor No VOC's Non-flammable Highly transparent	
Kahrs Touch Up Lacquer (VOC 47.00 g/L)	<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxU1ZaTnpWaWIHRjA/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxU1ZaTnpWaWIHRjA/edit?usp=sharing</a>
Fill small indentations that have cracked the surface with Kahrs Touch-Up Lacquer.	
Kahrs Floor Care Guide	<a href="https://drive.google.com/file/d/0B-iJKIQMPfTxU185UTFIbHZDazg/edit?usp=sharing">https://drive.google.com/file/d/0B-iJKIQMPfTxU185UTFIbHZDazg/edit?usp=sharing</a>
While Kahrs floors are tough, they aren't indestructible. However, you can generally prevent most problems before they occur with proper care and maintenance, ensuring your new floor retains its natural beauty, strength and durability.	

## NOTES

Kährs Linnea is a thin engineered Wood floor that uses Kährs' patented multi-layer technology. The floors are easy to install, durable and easy to maintain.

Linnea's thin construction gives it a low build height with attractive affordable pricing. It is easy to install a Kährs Linnea floor because the boards are just ¼" (7 mm) thick. The lightweight structure of this flooring makes it environmentally friendly to transport. There is no need to sand Linnea, but it can be recoated if desired. Kahrs Linnea offers the best value in sustainable hardwood floors and provides an attractive wide-plank appearance that's eco-friendly and easy to install. Unlike laminate flooring, Linnea is made of real wood veneer over a high density fiberboard (HDF) core which provides an extremely durable surface that is warranted for 15 years. Linnea is made to the high standards working under ISO 9001 and ISO 14001 standards the product meets both the California CARB Phase 2 and European E1 standards for toxic emissions in adhesives and finishes as well as the German DIBt, French VOC A, and German Blue Angel requirements. All of Kahrs hardwood products use materials from sources that either meet the FSC (Forest Stewardship Council), PEFC (Programme for the Endorsement of Forest Certification, FSC Controlled Wood Standards or Kährs Certified Requirements. The products are US Lacey Act compliant and EU Timber Regulation compliant.