# Kährs Activity Floor
# by Kährs Group

**Health Product Declaration v2.0**

created via: HPDC Online Builder

CLASSIFICATION: 09644

PRODUCT DESCRIPTION: KÄHRS ACTIVITY FLOOR IS A PREFINISHED WOOD SPORTS FLOOR AND USES A GLUELESS LOCKING SYSTEM. AS THE RESULT OF LONG-TERM RESEARCH, IT COMBINES EXCELLENT ENERGY-ABSORBING QUALITIES WITH DURABILITY AND GOOD LOOKS. ACTIVITY FLOOR CREATES AN OPTIMAL SURFACE FOR ALL TYPES OF SPORTS AND THE PATENTED CONSTRUCTION PROMOTES FAST, SIMPLE INSTALLATION. IT IS FSC CERTIFIED, FLOORSCORE CERTIFIED, MEETS CARB2, CALIFORNIA 01350 CDPH COMPLIANT, LACEY ACT COMPLIANT, DIN CERTIFIED, THE ABSORPTION MATERIAL AND REINFORCEMENTS ARE ALREADY FITTED TO THE UNDERSIDE OF THE BOARD, WHILE THE PATENTED WOODLOC® SYSTEM PROVIDES PERFECT JOINTS BETWEEN THE BOARDS. IT CAN BE LAID DIRECTLY OVER A MOISTURE BARRIER AND THE SUBFLOOR WITHOUT THE TIME-CONSUMING AND COMPLICATED CONSTRUCTION OF FLOOR BATTENS/SLEEPERS OR SPECIAL FITTINGS. NUMBER OF LAYERS: 4 THICKNESS: 1.18" CORE MATERIAL: PINE/SPRUCE LAMELLA JOINT: WOODLOC® 5S SPECIES: MAPLE, BEECH, OAK. PRODUCED UNDER ISO 9001 AND ISO 14001 MANAGEMENT SYSTEMS. INSTALLATION: TO BE INSTALLED FLOATING ON A LEVEL, SOLID SURFACE SUCH AS CONCRETE, PARTICLEBOARD OR WOOD. CAN BE SANDED: 2 TIMES

## Section 1: Summary

**CONTENT INVENTORY**

Threshold per material
- ○ 100 ppm
- ◉ 1,000 ppm
- ◉ Per GHS SDS
- ○ Per OSHA MSDS
- ○ Other

Residuals and impurities considered in 0 of 3 materials
- ◉ see Section 2: Material Notes
- ◉ see Section 5: General Notes

Based on the selected Content Inventory Threshold:

| | | |
|---|---|---|
| Characterized..... | ○ | ◉ |
| Are the Percent Weight and Role provided for all substances? | Yes | No |
| Screened..... | ○ | ◉ |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes | No |
| Identified..... | ◉ | ○ |
| 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.

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

WOOD - WOOD FIBER [ AMINO BASED GLUE UNK CARBAMIDE ADHESIVE UNK LACQUER SHERWIN-WILLIAMS UNK FILLER UNK POLYVINYL ACETATE (PVA) LT-UNK ] POLYOLEFIN FOAM PLASTIC POLYETER FOAM - BOTTOM

Number of Greenscreen BM-4/BM3 contents..... 0

Contents highest concern GreenScreen Benchmark or List translator Score..... LT-UNK

Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

Health Product Declaration v2.0 created via GreenScreen

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**
VOC emissions: AgBB - DIBt VOC and Formaldehyde Emission Certification / Test
VOC content: FloorScore - CDPH/EHLB Standard Method v1.1-2010 (California Section 01350),
Formaldehyde emissions: E1 Formaldehyde Test 717-1 CE

*See Section 3 for additional listings.*

| | | | |
|---|---|---|---|
| ◉ Self-Published* | VERIFIER: | SCREENING DATE: February 8, 2017 | EXPIRY DATE*: February 8, 2020 |
| ○ Third Party Verified | VERIFICATION #: | RELEASE DATE: February 8, 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.

**WOOD - WOOD FIBER** **%: 93.0000 - 94.0000** **HPD URL:**

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes: Includes, MDF board, and plywood endpiece, top layer solid hardwood, middle core of sawn softwood, backside veneer.

AMINO BASED GLUE ID:

| %: 2.6000 - 3.0000 | GS: UNK | RC: None | NANO: NO | ROLE: Wood adhesive |
|---|---|---|---|---|

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|
| None Found | No warnings found on HPD Priority lists |

SUBSTANCE NOTES: Hazard Ingredients To our current knowledge our articles do not contain substances which are listed as candidate of substances of very high concern (SVHC, as at 01.12.2008) of the European Chemicals Agency (ECHA) as well as no substances which meet the criteria of REACH Art. 57 (CMR, PBT/vPvB), in a concentration above 0.1 w% (w/w).

CARBAMIDE ADHESIVE ID: 50-00-0

| %: 1.0000 - 1.2000 | GS: UNK | RC: None | NANO: NO | ROLE: wood glue attaching mdf/resilient element |
|---|---|---|---|---|

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|
| None Found | No warnings found on HPD Priority lists |

SUBSTANCE NOTES: 50-00-0 R34, R40, R43, R23 / 24/25 - Urea 57-13-6 sulfuric acid diammonium salt 7783-20-2, 0.03% nonane, 2,2,4,4,6,8,8- heptamethyl- 4390-04-9 00:07%

LACQUER SHERWIN-WILLIAMS ID: 57472-68-1

| %: 0.8000 - 1.0000 | GS: UNK | RC: None | NANO: NO | ROLE: |
|---|---|---|---|---|

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|
| None Found | No warnings found on HPD Priority lists |

SUBSTANCE NOTES: Dipropylenglykoldiakrylat REACH #: 01- 2119484629-21 EC: 260-754-3 CAS: 57472-68-1 25-30% Xi; R41, R38 R43 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Etoxilerad trimetylolpropan triakrylat REACH #: 01- 2119489900-30 EC: 500-066-5 CAS: 28961-43-5 15-20% Xi; R36 R43 Eye Irrit. 2, H319 Skin Sens. 1, H317 Acrylated resin - 10-12,5% Xi; R36/38 Skin Irrit. 2, H315 Eye Irrit. 2, H319

FILLER ID: 24650-42-8

| %: 0.1000 - 0.1000 | GS: UNK | RC: None | NANO: NO | ROLE: |
|---|---|---|---|---|

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|
| None Found | No warnings found on HPD Priority lists |

SUBSTANCE NOTES: Beckro Filler,H317,H319,H412 ethanone 2,2-dimethoxy- 1,2-diphenyl-24650-42-8 <00:01% H400,H410 poly [oxy (methyl-1,2-ethanediyl)], .alpha.,. alpha.,.alpha.-1,2,3-propanetriyl tris [.omega .- [(1-oxo-2-propenyl) oxy ] - 52408-84-1 <00:25% H319 talc 14807-96-6 <0.2% 1-butanol, 2,2-bis [(2-propenyloxy) methyl] - 682-09-7 <0.1% H315 , H412

POLYVINYL ACETATE (PVA) ID: 9003-20-7

| %: 0.0800 - 0.1000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Glue for MDF attachment to backside, with plastic foam strips |
|---|---|---|---|---|

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|
| None Found | No warnings found on HPD Priority lists |

SUBSTANCE NOTES: PVAC adhesive ethanol, 2- (2-butoxyethoxy) -, acetate 124-17-4 <0.003% acetic acid ethenyl ester 108-05-4 H225 , H332, H335, H351

**POLYOLEFIN FOAM PLASTIC** **%: 0.4000 - 0.5000** **HPD URL:**

Inventory Threshold: Per GHS SDS Residuals Considered: No

Material Notes: Mfg. notes. Hazard Ingredients To our current knowledge our articles do not contain substances which are listed as candidate of substances of very high concern (SVHC, as at 01.12.2008) of the European Chemicals Agency (ECHA) as well as no substances which meet the criteria of REACH Art. 57 (CMR, PBT/vPvB), in a concentration above 0.1 w% (w/w).

**POLYETER FOAM - BOTTOM** **%: 0.4000 - 0.5000** **HPD URL:**

Inventory Threshold: Per GHS SDS Residuals Considered: No

Material Notes: articles do not contain substances which are listed as candidate of substances of very high concern (SVHC, as at 01.12.2008) of the European Chemicals Agency (ECHA) as well as no substances which meet the criteria of REACH Art. 57 (CMR, PBT/vPvB), in a concentration above 0.1 w% (w/w).

## 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.

**FORMALDEHYDE EMISSIONS** **E1 Formaldehyde Test 717-1 CE**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: ALL - Product produced at Dunderbergsgatan 10, Nybro, Sweden - AB Gustaf Kährs. Site is ISO 9001 and ISO 14001 certified.
CERTIFICATE URL: https://docs.google.com/document/d/1kymUxplq1vaM8t0icDOFfC677LaZnrv8lCG7RNrZ1ac/edit?usp=sharing
CERTIFICATION AND COMPLIANCE NOTES: Determination of formaldehyde emissions („steady state“) up to 28 days in ppm or mg/m³ Test conditions: t = 23°C, a = 45 %, q =1m²h/m³ Emission class E1: steady-state concentration < 0.1 ppm (0,12 mg/m³) Test Result AB Gustaf Kahrs, Nybro Test period-Steady-state emission value 0.01 mg formaldehyde I m3 air. See note 1. Test duration 333 hours Calculating the result according to CDPH-IAQ gives 2 and 2 I-lg/m3 for standard school classroom and standard private office respectively. This is below the allowable concentration of 9 IJg/m3. See also note 1. NOTES 1. In order to determine the steady state concentration 2 analyses in the beginning and end of a period of 14 days have been made. As the 2 measurements all were <0.01 mg/m3, the test was stopped and, as stated in EN 717-1, the result given as 0.01 mg/m3. No curve has been drawn. The result according to CDPH-IAQ is calculated from the emission value after 14 days. 2. The measurement uncertainty is 15 % (including a coverage factor of 2). The evaluation of the uncertainty is based on the principles given in The Guide to the Expression of Uncertainty in Measurement, 1993 (GUM) and has been made according to SP Rapport 2000:17 (see report 02 AA 032-rev 1). 3. According to EN 14342:2005 (Wood flooring) and EN 13986:2002 (Wood based panels), the requirement for formaldehyde class E1 is :> 0.124 mg/m3

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|---|---|---|
| 2013-06-05 | 0000-00-00 | AkzoNobel laboratory |

**VOC CONTENT**

**FloorScore - CDPH/EHLB Standard Method v1.1-2010 (California Section 01350),**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All-Sites producing Kährs Activity Floor. Produced today at Dunderbergsgatan 10, Nybro, Sweden. The site is ISO 9001 and ISO 14001 Certified.
CERTIFICATE URL: https://www.scscertified.com/products/cert_pdfs/KahrsHolding_2017_SCS-FS-02710_s.pdf
CERTIFICATION AND COMPLIANCE NOTES: FloorScore® Indoor Air Quality Certified to SCS-EC10.3-2014 v3.0 Conforms to the CDPH/EHLB Standard Method v1.1-2010 (California Section 01350), effective January 1, 2012, for the school classroom and private office parameters when modeled as Flooring. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.1-2010).

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|---|---|---|
| 2017-02-01 | 2018-01-31 | SCS global services CoC auditor - Eurofins Laboratory |

**VOC EMISSIONS**

**AgBB - DIBt VOC and Formaldehyde Emission Certification / Test**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All facilities producing Kährs Activity Floor. Today made at Dunderbergsgatan 10, Nybro, Sweden Facility is ISO 9001 and ISO 14001 Certified
CERTIFICATE URL: https://drive.google.com/file/d/0BxuKG9VpRBL3Z2FMbzhhZnJpdTA/view?usp=sharing
CERTIFICATION AND COMPLIANCE NOTES: Determination of the voc and formaldehyde emission from a sport floor according to AgBB scheme, ISO 16000 parts 3, 6, 9 Dibt Approval Principles Kährs Activity Floor 30mm. In the AgBB scheme, the identification of all individual substances is based on a presumed uniform detection limit of 1 µg/m3 in order to cover the emission spectrum as fully as possible in a qualitative way. All individual substances have to be quantified as required and need to be considered individually and in the summation if their concentration is equal to or greater than 5 µg/m3 Exceptions apply to carcinogenic substances belonging to EU categories 1A and 1B according to the new GHS system (Regulation (EC) No 1272/2008 Annex VI Table 3.1) (see 4.3.1). Identified substances with LCI values as well as carcinogens have to be quantified using their individual calibration factors. Identified substances without LCI values and non-identified (“unknown”) substances are quantified on the basis of toluene equivalents [also see Annex H, CEN/TS 16516]. VOC and SVOC shall be measured using Tenax sampling and subsequent thermodesorption and analysis by GC/MSD according to DIN ISO 16000-6. Some aldehydes listed in Group 7 of the list of LCI values shall be determined using the DNPH method according to ISO 16000-3

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|---|---|---|
| 2012-06-25 | 0000-00-00 | EPH Entwicklungs. und Pruflabor Holztechnologies GmbH |

## 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.

**KäHRS SPRAY CLEANER - NO VOC**

**HPD URL: https://drive.google.com/file/d/0BxuKG9VpRBL3cHlleWdnV0lMYjg/view?usp=sharing**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: To remove cloudy residue or dulling dirt-film layers, clean regularly with Kährs Wood Cleaner. Cleaner can also be used for spot cleaning as needed with a clean cloth. http://www.kahrs.com/en-US/consumer/installation-maintenance/maintenance-warranty/

## Section 5: General Notes

http://www.kahrs.com/globalassets/uk/kahrsactivityfloor_gb.pdf This link has the DIN information for the floor. The globally recognized certificate and testing for sports flooring. The product besides being third party tested for FloorScore, CE E1 formaldehyde, and the AgBB for DIBt, the product is also listed with Swedish SundaHus, Byggvarubedömningen. Due to challenges by the EU against the German DIBt we no longer use this label today (Oct. 2016), but still supplied the VOC/formaldehyde test data.

# Section 6: References

**MANUFACTURER INFORMATION**

MANUFACTURER: Kährs Group

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Malmö, Småland SE-201 21
Sweden.

WEBSITE: kährs.com

CONTACT NAME: Bruce Dean Uhler

TITLE: Environmental Sustainability Amb.

PHONE: 011 46 70 253 0476

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**KEY**

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet
**GHS SDS** Globally Harmonized System of Classi cation 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 Unspeci ed (insu cient 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)
**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.