

HPD UNIQUE IDENTIFIER: 24246

CLASSIFICATION: 09 65 16 Resilient Sheet Flooring

PRODUCT DESCRIPTION: Resilient Sheet Flooring. Kahrs Upofloor Zero Sheet is durable high performance PVC Free Sheet for public areas. Does not contain any PVC and plastizisers.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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

ZERO SHEET | CALCIUM CARBONATE BM-3 THERMOPLASTIC ELASTOMER NoGS ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN) LT-UNK ACRYLIC POLYMERS NoGS TITANIUM DIOXIDE LT-1 | CAN | END CARBON BLACK BM-1 | CAN IRON HYDROXIDE (FE(OH)3) LT-UNK BUTANAMIDE, 2,2'-[1,2-ETHANEDIYLBIS(OXY- 2,1-PHENYLENEAZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL - 5-YL)-3-OXO- LT-UNK C.I. PIGMENT BLUE 15 BM-3 2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL- 5-YL)-3-HYDROXY-4-[[2-METHOXY-5-METHYL -4-[(METHYLAMINO)SULFONYL]PHENYL]AZO]- LT-P1 IRON OXIDE BLACK LT-UNK FERRIC OXIDE YELLOW LT-UNK FERRIC OXIDE BM-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was Created with Basic Inventory. The component ID or CAS# were used to identify associated hazards of components above the threshold limit.

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

VOC emissions: Emission Classification of Building Materials - M1

VOC emissions: Blue Angel

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-04-01

PUBLISHED DATE: 2021-04-01

EXPIRY DATE: 2024-04-01

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

ZERO SHEET

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.

OTHER PRODUCT NOTES: Some variation may occur inside given percentages. Biggest variation is with color pigments as their use varies in different coloured products. Large collection is consisting many different coloured products.

CALCIUM CARBONATE

ID: 114453-69-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-04-01 5:40:30

#: 58.0000 - 62.0000 GS: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Calcium carbonate is a natural mineral. Does have also synonyms as limestone.

THERMOPLASTIC ELASTOMER

ID: 308079-71-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-04-01 5:40:31

#: 16.0000 - 18.0000 GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Thermoplastic elastomer as a part of the binder system of product.

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-04-01 5:40:31

#: 11.0000 - 13.0000 GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Polyethylene based polyolefin copolymer is used as a soft binder. By using naturally soft polymer no plastiziser is needed.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:32**

%: **8.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This polymer structure is more known as ionomer. Small amounts of metal (Zn, Na) salt is used for neutralizing. It is used as a surface reinforcement and also as a part of binder system of the product. Zinc and sodium are tied strongly in the structure and amount of these metals is under reported treshold level.

ACRYLIC POLYMERS

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:32**

%: **0.5000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Cured acrylic polymers. UV cured in highly controlled conditions. Amount of possible residuals will be low because very small amount of material used with highly controlled curing process

TITANIUM DIOXIDE

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:33**

%: **0.0000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: This material is most common white colorant used everywhere white color is needed. Amount used varies according color of the product, and some colors may not have this at all.

CARBON BLACK

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:33**

#: 0.0000 - 0.5000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES: C.I. Pigment Black 7. This material is widely used most common black colorant. Amount used varies according color of the product. Therefore some colors do not have this at all. As this is very effective color pigments it is always used at very small quantities.

IRON HYDROXIDE (FE(OH)3)

ID: 1309-33-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-01 5:40:33

#: 0.0000 - 2.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This is presenting group of iron hydroxide pigments. Amount used varies according color of the product. Therefore some colors may not have this at all.

BUTANAMIDE, 2,2'-[1,2-ETHANEDIYLBIS(OXY- 2,1-PHENYLENEAZO)]BIS[N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL -5-YL)-3-OXO-

ID: 77804-81-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-01 5:40:34

#: 0.0000 - 0.5000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: C.I. Pigment Yellow 180. Used very small amounts where bright yellow colors are needed.

C.I. PIGMENT BLUE 15

ID: 147-14-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-01 5:40:34

#: 0.0000 - 0.5000

GS: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: C.I. Pigment Blue 15:1. Used very small quantities in colors where cyan blue colors are needed.

2-NAPHTHALENECARBOXAMIDE, N-(2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-HYDROXY-4-[[2-METHOXY-5-METHYL-4-[(METHYLAMINO)SULFONYL]PHENYL]AZO]-

ID: 51920-12-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:35**

#: **0.0000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Pigment Red. Used small amount where bright red color is needed.

IRON OXIDE BLACK

ID: 12227-89-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:35**

#: **0.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Pigment black. Used in where black color is needed.

FERRIC OXIDE YELLOW

ID: 51274-00-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:36**

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: C.I. Pigment Yellow 42

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-01 5:40:36**

#: **0.0000 - 1.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: C.I. Pigment Red 101. Iron oxide pigment.

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 APPLICABLE FACILITIES: Upofloor production site, Ikaalinen, Finland CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide CERTIFICATION AND COMPLIANCE NOTES: SCS-FS-02256	ISSUE DATE: 2017-12-01	EXPIRY DATE: 2018-11-30	CERTIFIER OR LAB: SCS Global Services
VOC EMISSIONS	Emission Classification of Building Materials - M1		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Upofloor Oy Ikaalinen, Finland CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: The Building Information Foundation RTS sr	ISSUE DATE: 2017-09-24	EXPIRY DATE: 2019-09-24	CERTIFIER OR LAB: The Building Information Foundation RTS sr
VOC EMISSIONS	Blue Angel		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Upofloor, Ikaalinen, Finland CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2018-01-29	EXPIRY DATE:	CERTIFIER OR LAB: RAL gGmbH

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.

ZERO WELDING ROD	HPD URL: No HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Seams are welded by using heat welding. Welding rod is product own welding rod which is based to same kind of raw materials than Zero sheet.	

Section 5: General Notes

All information with heat warnings has been made using automated tool.

MANUFACTURER INFORMATION

MANUFACTURER: Kährs Oy
ADDRESS: Kährs Oy
 Myllyhaantie 6 D
 Pirkkala Pirkanmaa 33960, Finland
WEBSITE: www.upofloor.com

CONTACT NAME: Tomi Tehomaa
TITLE: Technical Product Manager
PHONE: +358207409676
EMAIL: tomi.tehomaa@kahrs.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.