

CLASSIFICATION: 09 65 19

PRODUCT DESCRIPTION: Resilient Tile Flooring. Xpression Tiles and Planks for heavy commercial use. Does not contain any PVC and plastizisers.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

Characterized  Yes  No  
Percent Weight and Role Provided?

Screened  Yes  No  
Using Priority Hazard Lists with Results Disclosed?

Identified  Yes  No  
Name and Identifier Provided?

Threshold Disclosed Per

- Material
- Product

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

XPRESSION | CALCIUM CARBONATE NoGS ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN) LT-UNK THERMOPLASTIC ELASTOMER NoGS ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK POLYETHYLENE TEREPHTHALATE GLYCOL (PETG) NoGS ACRYLATES NoGS TITANIUM DIOXIDE LT-1 | CAN | END CARBON BLACK LT-1 | CAN IRON HYDROXIDE (FE(OH)3) LT-UNK BUTANAMIDE, 2,2'-[1,2-ETHANEDIYL]BIS(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-2 | 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:

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

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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: 2018-08-08

PUBLISHED DATE: 2018-08-10

EXPIRY DATE: 2021-08-08



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

### XPRESSION

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. Black pigments are used for coloring but also other pigments we normally are using are marked as an residuals/impurities as there can be some residuals from other Enomer products which are manufactured in same production line.

#### CALCIUM CARBONATE

ID: 114453-69-9

#: 62.0000 - 65.0000

GS: NoGS

RC: None

NANO: No

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

#### ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN)

ID: 28516-43-0

#: 11.0000 - 14.0000

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: 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 Natrium are tied strongly in the structure and amount of these metals is under reported treshold level.

#### THERMOPLASTIC ELASTOMER

ID: 308079-71-2

#: 7.5000 - 9.5000

GS: NoGS

RC: None

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

**ETHYLENE VINYL ACETATE POLYMER (EVA)**

ID: 24937-78-8

%: <b>5.5000 - 7.2000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Binder</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

**POLYETHYLENE TEREPHTHALATE GLYCOL (PETG)**

ID: 25640-14-6

%: <b>2.8000 - 3.6000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Printed decorative layer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Printed PETG film. Possible other compounds like printing inks will be far below the threshold level.

**ACRYLATES**

ID: Not registered

%: <b>0.5000 - 1.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Fully cured surface treatment</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Fully cured acrylate 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**

ID: 13463-67-7

%: <b>Impurity/Residual</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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**

ID: 1333-86-4

#: **0.0000 - 0.5000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Color pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

#: **Impurity/Residual**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **Impurity/Residual**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **Impurity/Residual**      GS: **BM-3**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

%: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

**IRON OXIDE BLACK**

ID: 12227-89-3

%: **0.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Color pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

**FERRIC OXIDE YELLOW**

ID: 51274-00-1

%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: C.I. Pigment Yellow 42

**FERRIC OXIDE**

ID: 1309-37-1

%: **Impurity/Residual** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

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: <b>Third Party</b>	ISSUE DATE: <b>2017-</b>	EXPIRY DATE: <b>2018-</b>	CERTIFIER OR LAB: <b>SCS Global</b>
APPLICABLE FACILITIES: <b>Upofloor production site, Ikaalinen, Finland</b>	<b>12-01</b>	<b>11-30</b>	<b>Services</b>
CERTIFICATE URL: <a href="https://www.scsglobalservices.com/certified-green-products-guide">https://www.scsglobalservices.com/certified-green-products-guide</a>			
CERTIFICATION AND COMPLIANCE NOTES: <b>SCS-FS-02256</b>			

### VOC EMISSIONS

### Emission Classification of Building Materials - M1

CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2017-</b>	EXPIRY DATE: <b>2020-</b>	CERTIFIER OR LAB: <b>The Building</b>
APPLICABLE FACILITIES: <b>Upofloor Oy Ikaalinen, Finland</b>	<b>09-24</b>	<b>09-24</b>	<b>Information Foundation RTS</b>
CERTIFICATE URL:			<b>sr</b>
CERTIFICATION AND COMPLIANCE NOTES: <b>The Building Information Foundation RTS sr</b>			

### VOC EMISSIONS

### Blue Angel

CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2018-</b>	EXPIRY DATE:	CERTIFIER OR LAB: <b>RAL gGmbH</b>
APPLICABLE FACILITIES: <b>Upofloor, Ikaalinen, Finland</b>	<b>01-29</b>		
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

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



## MANUFACTURER INFORMATION

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MANUFACTURER: **Upofloor Oy**  
 ADDRESS: **Upofloor Oy**  
**Souranderintie 2**  
**Nokia Pirkanmaa 37100, Finland**  
 WEBSITE: **www.upofloor.com**

CONTACT NAME: **Tomi Tehomaa**  
 TITLE: **Product Manager**  
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## KEY

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**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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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

*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.*