Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

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

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

Are All Substances Above the Threshold Indicated:
- Characterized
- Yes ☑ No

Percent Weight and Role Provided?

Screened
- Using Priority Hazard Lists with Results Disclosed?
- Yes ☑ No

Identified
- Name and Identifier Provided?
- 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
--- | --- | --- | --- | ---
ZERO TILE | CALCIUM CARBONATE | NoGS | ETHYLENE/METHACRYLIC ACID COPOLYMER, ZINC SALT (EMAA-XZN) | LT-UNK | THERMOPLASTIC ELASTOMER
| ETHYLENE VINYL ACETATE POLYMER (EVA) | LT-UNK | THERMOPLASTIC ELASTOMER
| ACRYLIC POLYMERS | NoGS | TITANIUM DIOXIDE | LT-1 | CAN | END
| CARBON BLACK | LT-1 | CAN IRON HYDROXIDE (FE(OH)3) | LT-UNK | THERMOPLASTIC ELASTOMER
| 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 | THERMOPLASTIC ELASTOMER
| [C.I. PIGMENT BLUE 15 BM-3] | LT-UNK | THERMOPLASTIC ELASTOMER
| 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 | THERMOPLASTIC ELASTOMER
| IRON OXIDE BLACK | LT-UNK | FERRIC OXIDE YELLOW | LT-UNK | THERMOPLASTIC ELASTOMER
| FERRIC OXIDE | BM-2 | THERMOPLASTIC ELASTOMER

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

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.

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

Third Party Verified?
- Yes ☑ No

PREPARER: Self-Prepared
VERIFIER: Self-Prepared
VERIFICATION #: Self-Prepared
SCREENING DATE: 2018-08-08
PUBLISHED DATE: 2018-09-19
EXPIRY DATE: 2021-08-08
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.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ZERO TILE

**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

<table>
<thead>
<tr>
<th>%: 70.0000 - 73.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARDS:** None Found  
**AGENCY(IES) WITH WARNINGS:** 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)

<table>
<thead>
<tr>
<th>%: 9.5000 - 11.5000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARDS:** None Found  
**AGENCY(IES) WITH WARNINGS:** 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 sodium are tied strongly in the structure and amount of these metals is under reported treshold level.

### THERMOPLASTIC ELASTOMER

<table>
<thead>
<tr>
<th>%: 8.5000 - 10.5000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARDS:** None Found  
**AGENCY(IES) WITH WARNINGS:** 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

| %: 6.0000 - 8.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Binder |

**HAZARDS:** None Found

**AGENCY(IES) WITH WARNINGS:** None Found

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

ACRYLIC POLYMERS

**ID:** 903501-20-2

| %: 0.5000 - 1.0000 | GS: NoGS | RC: None | NANO: No | ROLE: Fully cured surface treatment |

**HAZARDS:** None Found

**AGENCY(IES) WITH WARNINGS:** None Found

**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

| %: 0.0000 - 2.0000 | GS: LT-1 | RC: None | NANO: No | ROLE: Color pigment |

**HAZARDS:**

| 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:**

| 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
%
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: This is presenting group of iron hydoxide 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[2,3-DIHYDRO-2-OXO-1H-BENZIMIDAZOL-5-YL)-3-OXO- id: 77804-81-0
%
0.0000 - 0.5000 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: C.I. Pigment Yellow 180. Used very small amounts where bright yellow colors are needed.

C.I. PIGMENT BLUE 15 id: 147-14-8
%
0.0000 - 0.5000 GS: BM-3 RC: None NANO: No ROLE: Color pigment
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.

%
0.0000 - 0.5000 GS: LT-P1 RC: None NANO: No ROLE: Color pigment
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.
<table>
<thead>
<tr>
<th>Substances</th>
<th>ID</th>
<th>Percentage</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
<th>Hazards</th>
<th>Agency(ies) with warnings</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide Black</td>
<td>12227-89-3</td>
<td>0.0000 - 2.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Color pigment</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>Pigment black. Used in where black color is needed.</td>
</tr>
<tr>
<td>Ferric Oxide Yellow</td>
<td>51274-00-1</td>
<td>0.0000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Color pigment</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td>C.I. Pigment Yellow 42</td>
</tr>
<tr>
<td>Ferric Oxide</td>
<td>1309-37-1</td>
<td>0.0000 - 1.0000</td>
<td>BM-2</td>
<td>None</td>
<td>No</td>
<td>Color pigment</td>
<td>Cancer</td>
<td>MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
<td>C.I. Pigment Red 101. Iron oxide pigment.</td>
</tr>
</tbody>
</table>
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

**RFCl FloorScore**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td>2017-12-01</td>
<td>2018-11-30</td>
<td>SCS Global Services</td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES: Upofloor production site, Ikaalinen, Finland

CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide

CERTIFICATION AND COMPLIANCE NOTES: SCS-FS-02256

### VOC EMISSIONS

**Emission Classification of Building Materials - M1**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td>2017-09-24</td>
<td>2019-09-24</td>
<td>The Building Information Foundation RTS sr</td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES: Upofloor Oy Ikaalinen, Finland

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The Building Information Foundation RTS sr

### VOC EMISSIONS

**Blue Angel**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third Party</td>
<td>2018-01-29</td>
<td></td>
<td>RAL gGmbH</td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES: Upofloor, Ikaalinen, Finland

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

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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.

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Section 5: General Notes

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

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

CONTACT NAME: Tomi Tehomaa
TITLE: Product Manager
PHONE: +358207409676
EMAIL: tomi.tehomaa@upofloor.fi

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

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

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 Unspecified (insufficient 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) |
| NoGS | 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 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.

Zero Tile
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