

HPD UNIQUE IDENTIFIER: 24076

CLASSIFICATION: 09 64 00 Wood Flooring

PRODUCT DESCRIPTION: Symmetrical 3 layer wood planks coated in natural oils for floors (09 64 00) walls (09 70 00) and ceilings (09 50 00). Made in Schneegattern Austria out of natural wood, simple glue, and plant-based oils. This is a product designed for human health because it is not altered from its natural state, we only form it for our use. This product should be used in heavy traffic areas and most importantly in areas where people live and work so as to make use of the nature-related attributes. This product is sold directly to partners worldwide and specifically through the US subsidiary mafi- America, INC for North America.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

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

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**  
**MAFI WOOD SURFACES [ SC:WOOD Not Screened POLYVINYL ACETATE LT-UNK LINSEED OIL NoGS CALCIUM CARBONATE BM-3 ]**

Number of Greenscreen BM-4/BM3 contents ... 1  
 Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK  
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

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: MAS Certified Green - VOC Emissions  
 Sustainable forestry: FSC Certification - Chain of Custody (COC)  
 Other: ILFI Declare - Red List Free - Third Party Verified  
 Multi-attribute: Living Product challenge

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER: WAP Sustainability Consulting

VERIFICATION #: zPr-10033

SCREENING DATE: 2021-02-19

PUBLISHED DATE: 2021-03-11

EXPIRY DATE: 2024-02-19

## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### MAFI WOOD SURFACES

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residual and impurity information was collected for all of the components and included when above threshold.

OTHER PRODUCT NOTES: The product is made of several different species depending on the item number. Some of the wood product is thermally treated with high temperatures and water only. Additionally, different natural pigments are suspended in the surface applied oils to create different colors. mafi wood surfaces are symmetrical 3 layer wood planks coated in natural oils for floors walls (09 70 00) and ceilings (09 50 00). mafi wood surfaces can be used over radiant heat and are especially good in wet areas, bathrooms and kitchens. Made in Schneegattern Austria with only natural wood, simple glue and plant based oils, this is a product designed for human health because it is not altered from its natural state. This product should be used in heavy traffic areas and most importantly in areas where people live and work so as to make use of the nature relatedness attributes. The wood species we use are; Ash, Beech, Douglas Fir, Fir, Larch, Oak, Spruce, Swiss Stone Pine and Walnut. mafi surfaces are sold directly to partners worldwide and specifically through the US subsidiary mafi- America, INC for North America.

### SC:WOOD

ID: SC:Bio

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-19

#: 98.0000 - 100.0000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Biological material

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|----------|
|-------------|------------------------|----------|

Hazard Screening not performed

#### SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: various species of natural wood harvested in Europe and North America. See notes

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials. Our wood is the following species.

Abies procera (Fir)

Pseudotsuga menziesii (Douglas Fir)

Larix Sibirica (Siberian Larch)

Fraxinus excelsior (White Ash)

Quercus alba (White Oak)

Fagus sylvatica (Beech)

Juglans nigra (Black Walnut)

Pinus cembra (Swiss Stone Pine)

### POLYVINYL ACETATE

ID: 9003-20-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-19

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

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

SUBSTANCE NOTES:

**LINSEED OIL**

ID: 8001-26-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-19**

%: **0.0000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

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

SUBSTANCE NOTES:

**CALCIUM CARBONATE**

ID: 471-34-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-02-19**

%: **0.0000 - 1.0000** 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:

## 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  | MAS Certified Green - VOC Emissions                 |                         |  |
|--|---|-------------------------|--|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All<br>CERTIFICATE URL: <a href="https://2f3785c4-e873-4fc5-9f51-8909f3528769.filesusr.com/ugd/c3b0ae_7a24830ab8a74cd0b0a614b021c78564.pdf">https://2f3785c4-e873-4fc5-9f51-8909f3528769.filesusr.com/ugd/c3b0ae_7a24830ab8a74cd0b0a614b021c78564.pdf</a><br>CERTIFICATION AND COMPLIANCE NOTES:     | ISSUE DATE: 2020-04-04                              | EXPIRY DATE:            | CERTIFIER OR LAB: Material Analytical Services |
| SUSTAINABLE FORESTRY   | FSC Certification - Chain of Custody (COC)          |                         |  |
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All<br>CERTIFICATE URL: <a href="https://info.fsc.org/details.php?id=a0240000005sUiBAAU&amp;type=certificate">https://info.fsc.org/details.php?id=a0240000005sUiBAAU&amp;type=certificate</a><br>CERTIFICATION AND COMPLIANCE NOTES: GFA-COC-001571  | ISSUE DATE: 2018-05-14                              | EXPIRY DATE: 2023-05-13 | CERTIFIER OR LAB: GFA Certification            |
| OTHER  | ILFI Declare - Red List Free - Third Party Verified |                         |  |
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: All<br>CERTIFICATE URL: <a href="https://declare.living-future.org/products/natural-wood-flooring-walls-ceilings">https://declare.living-future.org/products/natural-wood-flooring-walls-ceilings</a><br>CERTIFICATION AND COMPLIANCE NOTES:   | ISSUE DATE: 2020-06-01                              | EXPIRY DATE: 2021-06-01 | CERTIFIER OR LAB: WAP Sustainability           |
| MULTI-ATTRIBUTE  | Living Product challenge                            |                         |  |
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: Headquarters Production facility 25 UtzWeisStrasse Schneegattern, AT 5212<br>CERTIFICATE URL: <a href="https://living-future.org/lpc/case-studies/mafi-natural-wooden-flooring/">https://living-future.org/lpc/case-studies/mafi-natural-wooden-flooring/</a><br>CERTIFICATION AND COMPLIANCE NOTES: | ISSUE DATE: 2020-05-07                              | EXPIRY DATE: 2023-05-07 | CERTIFIER OR LAB: WAP                          |

## 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.

| LINSEED OIL  | HPD URL: No HPD available |
|--|---------------------------|
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:<br>Apply immediately after installation as per installation instructions found at <a href="https://mafi.com/dokumente/broschuren/mafi_verlegung_installation.pdf">https://mafi.com/dokumente/broschuren/mafi_verlegung_installation.pdf</a>   |                           |
| MAFI WOOD FLOOR SOAP   | HPD URL: No HPD available |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:<br>Use to maintain floor with a mixture of 125ml of soap with 5000ml of warm water when dirty. More information can be found at <a href="https://mafi.com/dokumente/broschuren/Pflegefibel_2020_Documentviewer.pdf">https://mafi.com/dokumente/broschuren/Pflegefibel_2020_Documentviewer.pdf</a> . |                           |
| INSTALLATION MATERIALS   | HPD URL: No HPD Available |
| mafi wood surfaces<br><a href="http://hpdrepository.hpd-collaborative.org">hpdrepository.hpd-collaborative.org</a>   |                           |

#### CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The product can be installed in a variety of ways all requiring different installation materials. Floating installations are recommended to use underlay mats and glue for the groove edges. Nailed/screwed installations require fasteners to be used. Glue-down installations require adhesives, with a recommendation to use suitable parquet adhesives according to EN 14293, ideally with EC1 or similar. More information can be found at [https://mafi.com/dokumente/broschuren/mafi\\_verlegung\\_installation.pdf](https://mafi.com/dokumente/broschuren/mafi_verlegung_installation.pdf).

## Section 5: General Notes

mafi wood surfaces are symmetrical 3 layer wood planks coated in natural oils for floors walls (09 70 00) and ceilings (09 50 00). mafi wood surfaces can be used over radiant heat and are especially good in wet areas, bathrooms and kitchens. Made in Schneegattern Austria with only natural wood, simple glue, and plant-based oils, this is a product designed for human health because it is not altered from its natural state. This product should be used in heavy traffic areas and most importantly in areas where people live and work so as to make use of the nature-related attributes. The wood species covered by this HPD are; Ash, Beech, Douglas Fir, Fir, Larch, Oak, Spruce, Swiss Stone Pine, and Walnut. mafi surfaces are sold directly to partners worldwide and specifically through the US subsidiary mafi- America, INC for North America.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** mafi Naturholzboden  
**ADDRESS:** 25 Utzweisstrasse  
**Schneegattern Austria 5212, Austria**  
**WEBSITE:** <https://mafi.com/en>

**CONTACT NAME:** Walter Lourie  
**TITLE:** Head of Sustainability  
**PHONE:** +01 917.488.0410  
**EMAIL:** [w.lourie@mafi.com](mailto:w.lourie@mafi.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**

|                                       |   |  |
|---------------------------------------|---|--|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <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>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |  |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |  |

**GreenScreen (GS)**

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)   |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> 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.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      |  |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |  |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      | <b>NoGS</b> 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.*