

HPD UNIQUE IDENTIFIER: 21518

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 relatedness 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

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

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

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

All Substances Above the Threshold Indicated Are:

**Characterized**  Yes Ex/SC  Yes  No

% weight and role provided for all substances except SC substances characterized according to SC guidance.

**Screened**  Yes Ex/SC  Yes  No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

**Identified**  Yes Ex/SC  Yes  No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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 **LINSEED OIL** (PRIMARY CASRN IS 8001-26-1) **NoGS** **POLYVINYL ACETATE (PVA)** (POLYVINYL ACETATE - CAS # 9003-20-7) **LT-UNK** ]

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:

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
Multi-attribute: ILFI Declare - Red List Free - Third Party Verified  
Multi-attribute: Living Product challenge  
Sustainable forestry: FSC Certification - Chain of Custody (COC)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

Yes

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-04-28

PUBLISHED DATE: 2020-08-25

EXPIRY DATE: 2023-04-28





## 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: All of the components have been considered in the examination.

OTHER PRODUCT NOTES: The product is made of several different species depending on the item number. Oak, Ash, Spruce, Larch, Walnut, Douglas Fir, Fir and Beech woods are used. Some of the wood is thermally treated with high temperatures and water only and different natural pigments are suspended in the oils to create different colors.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-28**

%: **99.0000 - 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)

**LINSEED OIL (PRIMARY CASRN IS 8001-26-1)**

ID: 90028-77-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-28**

%: **0.0100 - 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: The oil is air dried and contains no accelerators or drying agents. This is an oil that is derived from Flax seeds.

**POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE - CAS # 9003-20-7)**

ID: 9003-20-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-04-28**

%: **0.0100 - 1.0000**      GS: **LT-UNK**      RC: **UNK**      NANO: **No**      SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES: This is a basic glue used to hold the three layers of solid wood together. Made with a derivative of Vinegar



## 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

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **Material**

APPLICABLE FACILITIES: **All facilities.**

**04-01**

**05-01**

**Analytical Services**

CERTIFICATE URL:

<https://mafi.com/en/service/downloads/certificates>

CERTIFICATION AND COMPLIANCE NOTES: **Low emitting materials chamber test. Completed on Larch Lye treated white oil.**

### MULTI-ATTRIBUTE

### ILFI Declare - Red List Free - Third Party Verified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **WAP**

APPLICABLE FACILITIES: **Materials Analytical Services, LLC 3945 Lakefield Court Suwanee, GA 30024**

**06-01**

**06-01**

Cell: **(770) 861-2644**

CERTIFICATE URL: [https://declare.living-](https://declare.living-future.org/products/natural-wood-flooring-walls-ceilings)

[future.org/products/natural-wood-flooring-walls-ceilings](https://declare.living-future.org/products/natural-wood-flooring-walls-ceilings)

CERTIFICATION AND COMPLIANCE NOTES:

### MULTI-ATTRIBUTE

### Living Product challenge

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-**

EXPIRY DATE: **2023-**

CERTIFIER OR LAB: **WAP**

APPLICABLE FACILITIES: **Headquarters Production facility 25 UtzWeisStrasse Schneegattern, AT 5212**

**05-07**

**05-07**

CERTIFICATE URL: <https://living-future.org/lpc/case-studies/mafi-natural-wooden-flooring/>

CERTIFICATION AND COMPLIANCE NOTES:

### SUSTAINABLE FORESTRY

### FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2023-**

CERTIFIER OR LAB: **GFA**

APPLICABLE FACILITIES: **Mafi HQ production Schneegattern, Austria**

**05-14**

**05-13**

**Certification**

CERTIFICATE URL:

<https://mafi.com/en/service/downloads/certificates>

CERTIFICATION AND COMPLIANCE NOTES: **GFA-COC-001571**

## 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.*

## Section 5: General Notes

mafi wood surfaces can be used over radiant heat. mafi wood surfaces are especially good in wet areas, bathrooms and kitchen. We have completed our Living Product challenge for this product and we will have our 3rd party verified Declare label as well in May 2020. mafi wood surfaces are symmetrical 3 layer wood planks coated in natural oils for floors walls (09 70 00) and ceilings (09 50 00). 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, 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 relatedness attributes. 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**

*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>NoGS</b> No GreenScreen.
<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)	

### 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.*