

CLASSIFICATION: 09 50 00

PRODUCT DESCRIPTION: OWA mineral tiles based on bio-soluble mineral wool, are free of asbestos and produced without formaldehyde and are 100 % recyclable. Smooth textured fleece covered ceilings offers good absorption and attenuation, light reflectance and durability. OWA fleece covered tiles offers great acoustical performance with NRC of 0.70 - 0.95 and CAC of 28 - 41 dB. OWA ceiling tiles are available in different sizes and systems: • Octave / Octave High NRC/CAC • Octave black / Octave wood colors • Humancare • Brillianto / Brillianto A • Sinfonia • Bolero • Ocean • Sinfonia Privacy

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

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.

Screened Yes Ex/SC Yes No

One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

Identified Yes Ex/SC Yes No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow 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

OWACOUSTIC® FLEECE COVERED CEILING TILES [MINERAL WOOL, BIOSOLUBLE AND WITH ALKALINE OXIDE AND ALKALINE EARTH OXIDE CONTENT > 18 % BY WEIGHT Not Screened CLAY NoGS PERLITE LT-UNK STARCH LT-UNK LIMESTONE, CALCIUM CARBONATE LT-UNK FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT LT-UNK CELLULOSE PULP NoGS UNDISCLOSED Not Screened UNDISCLOSED Not Screened]

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:

OWA worked with Alpha IC GmbH to properly screen and disclose all chemical information listed on this current HPD. Special conditions applied: Defined substance without identifier [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. Identified is marked "No" because there are proprietary substances and substances with no registered IDs reported on this HPD.

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: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

VOC emissions: Cradle to Cradle Certified - Bronze (V3.1)

VOC emissions: Decret Etiquetage A+

VOC emissions: AgBB evaluation scheme (2008) and guidelines of the DIBt (2004)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

SCREENING DATE: 2019-04-03

PUBLISHED DATE: 2019-07-01



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

OWACOUSTIC® FLEECE COVERED CEILING TILES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were considered based on process chemistry via Quartz Project Database. No Residuals or Impurities are expected to be present at or above Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER PRODUCT NOTES: This HPD includes eight different systems of OWAcooustic fleece covered ceiling tiles. To cover the composition of all systems all substances listed within this HPD are indicated with a minimum and a maximum percentage.

MINERAL WOOL, BIOSOLUBLE AND WITH ALKALINE OXIDE AND ALKALINE EARTH OXIDE CONTENT > 18 % BY WEIGHT

ID: Unknown

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-03

#: 45.00 - 55.00

GS: Not Screened

RC: Both NANO: No ROLE: Core

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: The Mineral fiber, Index number 650-016-002, fulfilling one of the note Q conditions in the CLP Regulation (EC) No 1272/2008 is not classified as a carcinogen by IARC, NTP, CA Proposition 65 or OSHA. The R40 and H351 phrases below are triggered by a special provision "Note Q", found only in the EU's CLP Regulation and for which the applicability to the provided products is neither certain nor adopted by the manufacturer. The world's leading institute on carcinogen classification, the International Agency for Research on Cancer (IARC) has determined that there is insufficient evidence to classify this material as carcinogenic. The EU's CLP Regulation focused on creating criteria to characterize biosolubility, but did not provide data to support a causal relationship between the EU test method and actual carcinogenicity.

CLAY

ID: 1302-87-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-03

#: 15.00 - 20.00

GS: NoGS

RC: None NANO: No ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Clay used in this product is not regulated as a hazardous substance.

PERLITE

ID: 93763-70-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-03**%: **10.00 - 15.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

STARCH

ID: 9005-25-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-03**%: **7.00 - 10.00**GS: **LT-UNK**RC: **PreC**NANO: **No**ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Starch used in this product has a pre consumer recycled content of 2-3 %.

LIMESTONE, CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-03**%: **3.00 - 6.00**GS: **LT-UNK**RC: **PreC**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Limestone, calcium carbonate used in this product has a pre consumer recycled content of 1-2 %.

FIBER GLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-03**%: **2.00 - 5.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Layer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

CELLULOSE PULP

ID: 65996-61-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-03**

#: **1.00 - 2.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-04-03**

#: **0.10 - 1.00**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Acrylate dispersion. This substance is undisclosed for proprietary reasons.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2019-04-03**

#: **0.10 - 1.00**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Thickening agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **This substance is undisclosed for proprietary reasons.**

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

Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

CERTIFYING PARTY: **Second Party**
APPLICABLE FACILITIES: **All locations**
CERTIFICATE URL:

ISSUE DATE: **2016-10-31**
EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins Product Testing A/S**

CERTIFICATION AND COMPLIANCE NOTES: The test results of the tested product indicate that the product qualifies for LEED v4 and LEED 2009 specifications on VOC emissions by complying with the requirements of CDPH-IAQ (California Department of Public Health, Feb 2010); and a TVOC below 0.5 mg/m³ in both office and class room (see test report no. G06712E). Only the following systems are considered Certified Products within the scope of this certification: • OWAcoustic Sinfonia • OWAcoustic Bolero

VOC EMISSIONS

Cradle to Cradle Certified - Bronze (V3.1)

CERTIFYING PARTY: **Second Party**
APPLICABLE FACILITIES: **All locations**
CERTIFICATE URL:

ISSUE DATE: **2018-02-26**
EXPIRY DATE: **2020-02-25**

CERTIFIER OR LAB: **EPEA GmbH**

CERTIFICATION AND COMPLIANCE NOTES: Only the following systems are considered Certified Products within the scope of this certification and the associated Trademark License Agreement: • OWAcoustic Sinfonia • OWAcoustic Octave • OWAcoustic Brillianto A

VOC EMISSIONS

Decret Etiquetage A+

CERTIFYING PARTY: **Second Party**
APPLICABLE FACILITIES: **All locations**
CERTIFICATE URL:

ISSUE DATE: **2013-05-27**
EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins Product Testing A/S**

CERTIFICATION AND COMPLIANCE NOTES: The product was tested for VOC emissions according to the requirements of the French legislation (order of April 2011) concerning the labeling of construction products or coverings of walls or floors and paint and varnishes on their emissions of volatiles pollutants.

VOC EMISSIONS

AgBB evaluation scheme (2008) and guidelines of the DIBt (2004)

CERTIFYING PARTY: **Second Party**
APPLICABLE FACILITIES: **All locations**
CERTIFICATE URL:

ISSUE DATE: **2009-10-06**
EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins Product Testing A/S**

CERTIFICATION AND COMPLIANCE NOTES: The emissions were tested according to the AgBB (Committee for Health related Evaluation of Building Products)-scheme and guidelines of the DIBt (German Institute for Building Technology).

VOC EMISSIONS

Environmental Product Declaration (EPD) by IBU (Arbeitsgemeinschaft Umweltverträgliches Bauprodukt E.V.(AUB))

CERTIFYING PARTY: **Second Party**
APPLICABLE FACILITIES: **All locations**
CERTIFICATE URL:

ISSUE DATE: **2018-01-22**
EXPIRY DATE: **2023-01-21**

CERTIFIER OR LAB: **Institut Bauen und Umwelt e.V.**

Declaration number: EPD-WTC-00170174-1-051-EN

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.

OWACONSTRUCT SUSPENSION SYSTEMS

HPD URL:

<https://www.owa.de/en/products/owaconstructsystems/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The OWAacoustic fleece covered ceiling tiles are part of the OWAlifetime collection which includes a wide range of high quality mineral and special ceiling tiles that have proven themselves over time and constitute OWA's core business. The high quality construction systems under the OWAconstruct brand can also be found in the new OWAlifetime collection.

Section 5: General Notes

When used properly, the mineral boards maintain their mechanical and physical properties for their entire useful life. Direct contact with water should be avoided due to the bio-soluble binder starch. When correctly installed no dust / particles will be released during the period of use. The limits for formaldehyde, VOC's and TVOC's are in compliance with DIN 18177.



MANUFACTURER INFORMATION

MANUFACTURER: **OWA**
 ADDRESS: **Dr.-F.-A.-Freundt-Straße 3**
Amorbach Bavaria 63916, Germany
 WEBSITE: <https://www.owa.de/en/>

CONTACT NAME: **Thomas Ploetzner**
 TITLE: **Dipl.-Ing. (FH) Environmental Acoustics**
 PHONE: **+49 9373 201 161**
 EMAIL: thomas.ploetzner@owa.de

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

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

GreenScreen (GS)

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