

Material Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

page 1 of 10

OWA safety data sheet

Date of issue: 08.11.2019

Replace version from

Version: 2019.0

Printed 12.12.2019

Trade name: **OWAlifetime® collection**
OWAconsult® collection

SECTION 1: Identification

1.1. Product identifier

Trade and product names: OWAlifetime® collection
OWAconsult® collection

Mineral ceiling tiles coated with paint or laminated with fleece, also printed.

OWA ceiling tiles are products not a substance or preparation.

1.2. Other means of identification:

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Acoustical and fire-resistant ceiling tiles

Restrictions on Use: None known

1.4. Details of the supplier of the safety data sheet

Manufacturer:

Odenwald Faserplattenwerk GmbH
Dr.-Freundt-Straße 3
D-63916 Amorbach

Telephone: +49-93 73 2010

Fax: +49-93 73 201130

<http://www.owa.de>

e-mail: info@owa.de

1.5. Emergency telephone number

Health and Technical Contacts:

Health Issues Information (9 am – 5 pm): +49-9373 201 245

Technical Product Information (8 am – 5 pm): +49-9373 201 554

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification in accordance with 29 CFR 1910.1200.

Not classified as hazardous

2.1. Label elements

Labelling in accordance with 29 CFR 1910.1200.

Symbol(s)

None

Signal Word

None

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Hazard Statement(s)
None

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Mineral Wool, bounded as ceiling tile with natural binders and inorganic fillers; free of organic solvents. Coated with paint or laminated with fleece or foil, also printed.

Chemical characterization:

Ingredient Name	CAS#	Wt. %
Mineral Wool Fiber	65997-17-3	30 - 65
Clay	1332-58-7	0 - 40
Starch	9005-25-8	3 - 10
Recycled Paper (Cellulose)	9004-34-6	0 - 4
Expanded Perlite	93763-70-3	0 - 20
Latex	N/A	0 - 5 (only in painted surface coating that is a solvent-free water-based latex paint)

May be available with fleece or foil on the front:

Aluminum foil	< 2
Fleece	< 6

This product formulation does not contain asbestos.

This product is an article without intended release. This means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture; which has end use function(s) dependent in whole or in part upon its shape or design during end use; and which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees

This product is a manufactured article and therefore exempt from the requirements of Canada's WHMIS.

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory. All components of this product are included in the Canadian Domestic Substances List (DSL).

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OWA consult[®] collection

SECTION 4: First-aid measures

4.1. Description of first aid measures

Following eye contact:

Do not rub or scratch your eyes. Dust particle may scratch the eye. Immediately flush thoroughly with water for 15 Minutes to remove particles. If irritation persists, contact a medical professional.

Following skin contact:

Rinse with cool water and then wash with soap and warm water. To avoid further irritation, do not rub or scratch affected areas. A commercially available skin cream or lotion may be helpful to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation or other disorders persists, consult physician. Never use compressed air to remove fibers from the skin

Following inhalation:

If exposed to excessive levels of dust, leave area of dust exposure to fresh air and remain away until coughing and other symptoms subside. Drink water to clear throat, and blow nose to remove dust. Other measures are usually not necessary, however, if conditions warrant, contact physician.

Ingestion:

No harmful effects expected. If ingested, rinse mouth with water to remove particulate. If gastric disturbance occurs, call physician.

4.2. Most important symptoms and effects, both acute and delayed

This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. Due to thicker fibers mechanical effects on skin, eyes and upper respiratory system such as itching may occur. These are reversible temporary symptoms as may occur with any non-fibrous dusts.

Ingestion:

Unlikely to occur, but if ingested may cause temporary irritation to the gastrointestinal tract, especially the throat and stomach.

Inhalation:

Inhalation of dust can irritate the nose, throat, and upper respiratory tract.

4.3. Indication of any immediate medical attention and special treatment needed

This product is a mechanical irritant, and it is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media.

Suitable Extinguishing Media: Water or extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

General Fire Hazards: Not expected to burn.
Unusual Fire and Explosion Hazards: None
Hazardous Combusting Products: Organic material in the panels can produce oxides of carbon

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5.3. Special protective equipment and precautions for fire-fighters

Special Fire Fighting Procedures: None use normal procedures.

OWAlifetime® and OWAconsult®-mineral ceiling tiles are tested according to ASTM E 84 standard test method for surface burning characteristics of building materials, classified according to ASTM E 1264 in class A

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures:

Not typically necessary.

Special Instructions:

None.

6.2. Methods and material for containment and cleaning up

Containment Procedures:

No special precautions. Containment not necessary. Treat as inert material. Keep the spill dry and away from incompatibles (see Section 10). Wear appropriate personal protection (see Section 8). Collect the material from spillage and if not damaged or contaminated by foreign material, ceiling panels may be reclaimed. No special precautions. Wear appropriate person protective equipment. See section 8.

Clean-Up:

Use normal clean up procedures. Pick up large pieces. Wear appropriate protective equipment. Use gloves to avoid skin irritation. If dry, shovel or sweep up material from spillage and place collected material into a container for recovery or waste disposal. Avoid dust generation. Avoid inhalation of dust and contact with eyes and skin. Maintain proper ventilation. If vacuum is used to collect dust, use an industrial vacuum cleaner with a high efficiency air filter. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation or use compresses air for clean-up. These procedures will help to minimize potential exposures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Avoid dust contact with eyes. Wear appropriate eye protection against dust (see Section 8). Avoid breathing dust. Wear appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded (see Sections 8). Minimize dust generation and accumulation. Use good safety and industrial hygiene practices. Follow traditional building practices; such as management of water away from the interior of the structure to avoid the growth of mold, mildew and fungus. Remove from the jobsite any building products suspected of being exposed to sustained moisture and considered conducive to mold growth.

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General Rules:

- ensure good circulation of air at workplace
- keep workplace clean
- minimize dust; use vacuum cleaner for area cleaning
- cut boards with sharp knives only
- use goggles while working over head
- wear closed and loose work protective clothing and suitable safety gloves
- having sensitive mucosa it is recommended to wear a respirator mask

Fire prevention and explosion protection:

No special precautions necessary

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities (see Section 10).
Protect from weather and prevent exposure to sustained moisture. Protect product form physical damage.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mineral Wool Fiber¹ (65997-17-3)

NIOSH: 3 fibers/cm³ (fibers with diameter < or = 3.5 µm & length > or = 10 µm.); TWA 5 mg/m³ (total)

OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Starch (9005-25-8)

ACGIH: 10 mg/m³ TWA

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Clay (1332-58-7)

ACGIH: 2 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Recycled Paper (Cellulose, 9004-34-6)

ACGIH: 10 mg/m³ TWA

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Aluminum foil (Aluminum, 7429-90-5)

ACGIH: 1 mg/m³ TWA (respirable particulate matter)

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

OSHA PEL: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

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¹TWA is 1 f/cm³ [respirable fibers: length >5µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination]. NIOSH recommended exposure level is 3 fibers/cc. This material is mineral wool. Other generic terms that are used or have been used to classify this material include slag wool, man-made mineral fiber (MMMF), and man-made vitreous fiber (MMVF). A more recent generic term that has appeared in the literature to describe these glassy materials is synthetic vitreous fiber (SVF).

If cutting or trimming with power equipment, dust collectors and local ventilation must be used. Wear appropriate personal protective equipment (see below) if airborne contaminant levels exceed the recommended exposure limits.

8.2. Appropriate engineering controls

Ventilate to keep exposures below recommended level. Good general ventilation is expected to be satisfactory to control airborne levels. Use local exhaust ventilation if necessary to control air contaminants. Avoid unnecessary exposure to dust and handle with care. Keep work area clean of dust and fibers by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.

8.3. Individual protection measures, such as personal protective equipment

Eye/Face:

Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye.

Skin:

Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. For brief contact, no precautions other than clean body-covering clothing should be needed. Wear gloves and protective clothing to prevent repeated or prolonged skin contact. Wear adequate clothing to minimize chafing or drying of skin. Wear long sleeved, long legged, loose fitting clothing closed at the neck and wrists and minimize skin contact. Wash work clothing separately from other clothing. Rinse washer thoroughly after use

Respiratory:

Not typically necessary under normal conditions of use. Use ventilation adequate to keep dust exposures below recommended exposure limits. Wear a dust respirator (mask) or disposable face masks complying with EN149 FFP1 or FFP2 in poorly ventilated areas, if recommended exposure limit is exceeded, and/or when dusty conditions exist.

General:

Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid, Surface: white or colored, Inside: beige
Odor:	Nil
Odor threshold:	No data available
pH:	Not applicable
Melting point/ Freezing point:	Not applicable
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	Not Applicable
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available

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Vapor pressure:	Not applicable
Vapor density:	Not Applicable
Relative density:	130 – 400 kg/m ³
Solubility(ies):	Not applicable
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	above 200 °C possible
Viscosity:	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

In cases of correct storage and handling dangerous reactions are unknown

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

In cases of correct storage and handling dangerous reactions are unknown

10.4. Conditions to avoid

Contact with water

10.5. Incompatible materials

Water

10.6. Hazardous decomposition products

None, in case of proper usage. Organic material in the panels can produce oxides of carbon

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on the likely routes of exposure

Inhalation, eyes and skin contact.

Symptoms related to the physical, chemical and toxicological characteristics

Skin:

This material (in wet state or as dust) is not chemically harmful if it gets on the skin and is not immediately washed off. However, direct contact of dust and especially mineral wool fibers with skin can cause temporary irritation (mechanical) and itchiness.

Eyes:

Airborne dust or direct contact can cause mechanical irritation of eyes.

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Medical conditions which may be aggravated:

Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited, rashes and dermatitis.

Carcinogenic effects:

None

The mineral wool fibers manufactured by OWA are designed not to be biopersistent as it is confirmed in the certificate of the Fraunhofer Institute. That is, should they be respired into the lungs, they will be removed by either the lungs mechanical clearance mechanisms or be dissolved, in such a short period of time, that they will not cause fibrosis, lung cancer or mesothelioma.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Inhalation

Prolonged and repeated exposure to airborne free man-made vitreous fiber can result in lung disease (i.e., silicosis) and /or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration. Exposures to respirable MMVF are not expected to during the normal use of this product; however, actual levels must be determined by workplace hygiene testing.

The concentration of respirable MMVF measured in airborne dust samples was below or slightly over the detection limit according to VDI 3492 page 1 "Measuring of inorganic fibrous airborne particle. With the scanning electron microscope method". The advantage to this method compared with the NIOSH Method 7500 is, that the fibers can be exactly identified.

Mineral wool fiber has been classified as "not classifiable as to its carcinogenicity to humans" (Group 3) by the International Agency for Research on Cancer (IARC).

In October 2001 the International Agency for Research on Cancer (IARC) has concluded its re-evaluation of the carcinogenic risk of airborne man-made vitreous fibers (Group 2B possible carcinogen to humans). IARC based its classification on the IARC Monographs Working Program, which consists of a working group of 19 experts from 11 countries. They concluded that the previous classification in Group 2B was no longer justified. The body of animal test data now clearly showed the safety of mineral wool fibers, even at very high doses of exposure, and the epidemiological studies had shown no association between exposure to mineral wool fibers and respiratory ill-health.

SECTION 12: Ecological information

12.1. Ecotoxicity

No information available

Ecotoxicity Values:

Not determined.

12.3. Bioaccumulative potential

Soluble components will raise BOD and COD when getting into a waste water treatment plant; Components will be biologically reduced. This product is not classified as a hazardous air pollutant in Title III Clean Air Act of 1990.

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40CFR 261). Dispose material in accordance with local regulations. Contact the local agency for specific rules.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Disposal of Contaminated Packaging

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

SECTION 14: Transport information

US DOT Information:

In accordance with DOT
Not regulated for transport

TDG Information:

No Classification assigned.

Marine Pollutant:

No component(s) of this material is specifically listed in the IMDG Code as an identified marine pollutant.

SECTION 15: Regulatory information

15.1. U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

General Product Information

Classification: The product is not classified as hazardous und Chemicals Hazardous Information Packaging for Supply (CHIPS 2000)

15.2. International regulations

According to the EU-Construction Products Regulation EU 305/2011 and the EN 13964 the ceiling panels must be labelled with the CE-sign.

National Regulations:

Our products are exempted from the prohibition of bringing them into market according to Regulation 1272/2008/EC.

Classification of water hazardous:

By German regulation AwSV

not hazardous for water (self-rating)

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SECTION 16: Other information

Date of Preparation: 03/07/2019

Latest revision: -

Further Information:

Our products are endorsed with the RAL-quality assured mark for „mineral wool products“. This is only awarded to products where the constituent fibers meet the stringent criteria laid down in Regulation 1272/2008/EC Annex VI Number 1.1.3.1 Quota Q through both internal and independent external monitoring of product standards.

This data sheet is only valid if our products are used for the purpose for which they were manufactured.

All information is based on our current up-to-date knowledge at the date of issue. It is not a guarantee for properties. Existing laws and regulations must be observed by the consignee at his own responsibility.

There are no unusual hazards known as listed in the NFPA. The HMIS Personal Protection should be supplied by user depending upon use.

This data sheet is only valid if our products are used for the purpose for which they were manufactured.

Information listed is believed to be accurate but not warranted or guaranteed.

Existing laws and regulations must be observed by the consignee at his own responsibility.

Information bureau:

For special information about OWAacoustic® products please contact our service department OWAconsult®, Phone +49/9373-201-222

Information from trade associations:

Through mineral fibers there is the possibility of short impact on the skin.

When installing insulation in unventilated spaces a suitable disposable facemask should be used.

When handling product, cover exposed skin. Wear goggles when working with product overhead.

Dispose of waste in accordance with local regulations.

Clean area using vacuum equipment.

If itching occurs, it may be lessened by rinsing in cold water before washing.

