



Your reliable business partner in world of vermiculite

VERMEKO Sp. z o.o.  
12/15 Rapackiego street  
20 – 150 Lublin  
Poland  
VAT: 712-331-25-97

vermeko@vermeko.eu

Tel.: +48 733 984 522

Product name: Expanded vermiculite  
Not Classified as hazardous according to the criteria of 67/548/EWG norm, 1272/2008/WE  
and 1907/2006 (REACH) regulations.

### Section 1. Product identification

#### 1.1. Product name:

Expanded vermiculite – Micron 0,25-1 mm; Superfine 1-2 mm, Fine 2-4 mm, Medium 3-6 mm, Large 8-15 mm

#### 1.2. Identified use:

1.2.1. Ecology/ Sewage treatment plants/ Sorbents

1.2.2. Agriculture/ Horticulture: soil mixtures, plants growth biostimulator, mycelium culture

1.2.3. The main component of fireproof and thermal insulators: fireproof vermiculite boards, heating boilers thermal insulation, fireplace fittings/moulders

1.2.4. The main component of soundproof boards

1.2.5. Binder and feed additive

1.2.6. Brake pads filler

1.2.7. Metallurgy

1.2.8. Construction: thermal insulation, fireproof covers, heat insulating light plasters

#### 1.3. The physical data of the product:

1.3.1. The melting point of expanded vermiculite: 1350 - 1430 °C

1.3.2. Color: gray, brown, yellow, silver, gold.

1.3.3. Main temperature of use: -260 to 1200 °C

#### 1.4. Form:

1.4.1. Solid, porous

#### 1.5 Flammability:

A1 - non flammability. The product is resistant to direct effect of fire and the high temperatures. Flammability could be bags or the other packagings.

### Section 2. The hazard classification

#### 2.1. Classification of substance or mixture/ classification according to 1272/2008/WE regulation:

2.1.1. Potential risk for humans: Not classified

2.1.2. Environmental hazard: Not classified

#### 2.2. Label elements:

2.2.1. Symbols and warning signs: None

2.2.2. Indications of danger: None

2.2.3. Indications of caution: None

2.2.4. Indications on Hazardous Ingredients: None

### Section 3. Components informations

3.1. The product is a mixture of substances not classified as dangerous in regard to 1272/2008/WE regulation. CoA: (CAS: 7631-86-9) SiO<sub>2</sub>, (CAS: 1309-48-4) MgO, (CAS: 1344-28-1) Al<sub>2</sub>O<sub>3</sub>, (CAS: 1309-37-1) Fe<sub>2</sub>O<sub>3</sub>, (CAS: 1305-78-8) CaO. The product does not contain an asbestos and any impurities or additives classified as dangerous in relation to the requirements of the 67/548/EWG directive and of the 1272/2008/WE regulation.



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#### Section 4. First aid measures

##### 4.1. Description of first aid measures

###### 4.1.1. Ingestion:

4.1.1.2. Rinse with plenty of water. If irritation persists contact with the specialist.

###### 4.1.2. Eyes:

4.1.2.1. Do not close your eyes, flush continuously for several minutes. In the case of the lens removing problem contact with the specialist.

###### 4.1.3. Skin:

4.1.3.1. Carefully wash (use soap).

###### 4.1.4. Inhalation:

4.1.4.1. Go outside and blow your nose several times to purify the respiratory tract. Rinse mouth, drink plenty of water to remove dust from the throat. If the symptoms persist contact the specialist. Products are not irritating in normal contact. Irritating may be dust, formed during of the use.

#### Section 5. The symptoms and effects of exposure to the product

##### 5.1. Consumption:

5.1.1. The products are not harmful to the gastrointestinal tract. Irritating can be dust formed at a long time of using. Non - toxic if swallowed.

##### 5.2. Eyes:

5.2.1. The products are not harmful to the eyes. Irritating can be dust formed at a long time of using (redness and irritation).

##### 5.3. Skin:

5.3.1. The products are not harmful to the skin. In the case of sensitive skin or allergies irritating can be dust formed at a long time of using (dry skin). The dust is not absorbed through in the intact skin.

##### 5.4. Inhalation:

5.4.1. Undamaged products are not harmful to the upper respiratory tract. Irritating can be dust formed at a long time of using.

##### 5.5. Chronic diseases:

5.5.1. Undamaged products do not cause any chronic diseases. Irritating can be dust formed at long time of using. The Dust doesn't revealed any immediate threat to health. It does not contain asbestos. Several years of impact, without adequate safeguards can cause pneumoconiosis (fibrotic pneumoconiosis), which can be detected by the radiograph.

#### Section 6. Individual protection measures

##### 6.1. Eyes:

Safety glasses with side shields or chemical goggles.

##### 6.2. Hands and feet:

To protect of hands wearing a gloves (disposable, rubber, protective, cotton, etc.)

##### 6.3. Other:

Work clothing should be frequently washed. At the relevant places make available means to wash the eyes. Personal protective equipment are determined depending on the use and amount of material. In the case of excessive inhalation of dust use special masks with dust filters.

#### Section 7. Information about safe use of expanded vermiculite

##### 7.1. Storage and Transport:

Follow the manufacturer's instructions. Expanded vermiculite is packing in laminated bags - potect from moisture and



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physical damage. In the case of larger amounts stored and transported on pallets. Properly secure of the belts.

- 7.1.1. Storage: No restrictions. Protect from moisture
- 7.1.2. Transport: No restrictions. Protect from moisture
- 7.1.3. Shipping Name (CSN): Not applicable
- 7.1.4. Packing group: Not applicable

#### **Section 8. Waste and utilization**

- 8.1. In the case of the bags damage the waste should be removed. If the product is not damaged it could be normally used. Utilization in an appropriately and adapted places for waste storage.
- 8.2. During the waste disposal, follow provisions of the Act from 14 December 2012 about waste (Dz. U. 2013., Pos. 2 with later amendments.). Observe the Act from 13 June 2013. about packaging of waste (Dz. U. 2013., Pos. 888 with later amendments).

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*This data sheet is just for information about working with the expanded vermiculite.  
It contains informations about safe operation with the products from our offer.*

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