

Product-Safety-Information (PSI)

Supersedes Material-Safety-Data-Sheet (MSDS), isn't hazardous under the CLP Regulation, s. Section. 2
Please note the general information in Chapter 16 "Other information".

Vermiculite expanded

Revision Date: 05.05.2017 (Revision 1.0)
Print Date: 08.05.2017



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1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

1.1. Product identifier:

Trade name: Vermiculite expanded
CAS-No.: 1318-00-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant use of the Substance/Mixture: insulating material, building material, absorbent material, horticulture

1.3 Details of the supplier of the product-safety-information:

Supplier: Schabos GmbH
Street: Widdersdorfer Straße 236-240
ZIP/City: D-50825 Köln

Tel.: +49(0) 221 / 99 8 77 - 0
Fax: +49(0) 221 / 99 8 77 - 19

e-Mail: info@schabos.de

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification in accordance with Regulation (EC) Nr. 1272/2008 (CLP)
The product is in accordance with Regulation (EC) No. 1272/2008 (CLP) not to mark.

2.2 Label elements

2.2.1 Labeling in accordance with Regulation (EC) Nr. 1272/2008 (CLP)
The product is in accordance with Regulation (EC) No. 1272/2008 (CLP) not to label.

2.3 Other hazards

Repeated inhalation of large quantities of dust over a long period increases the risk for diseases of the lungs. Care of mechanical injection of vermiculite particles in the eyes (Irritation).

Assessment: PBT substance, vPvB substance – not determined

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization

aluminium-iron-magnesium-silicate (vermiculite expanded, CAS-No. 1318-00-9)

3.2 Hazardous components

None

4. FIRST AID MEASURES

If a doctor visited, please submit this product-safety-information.

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4.1 Description of first aid measures

After Inhalation (in unintended ways)

Provide fresh air.

Dust from throat and nasal passages should be removed quickly.

Consult with complaints and malaise, cough or irritation persists.

After skin contact

Rinse with plenty of water.

In case of skin complaints seek medical advice.

After eye contact

Do not rub eyes, because of the additional mechanical stress injury to the cornea. If necessary, remove contact lenses and the eye, rinse immediately with plenty of running water for at least 15 minutes to remove all particles. If possible, use isotonic eyewash. More and occupational health professional or seek medical advice.

After swallowing (in unintended ways)

In conscious, rinse mouth and drink plenty of water.

No vomiting was amended.

Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Repeated inhalation of large quantities of dust over a long period increases the risk for diseases of the lungs. Care of mechanical injection of vermiculite particles in the eyes (Irritation).

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing measures

Suitable extinguishing agents

Vermiculite is in the delivery condition non-combustible or explosive.

Extinguisher and fire fighting procedures should be adapted to the surrounding fire.

Unsuitable extinguishing agents

Not applicable.

5.2 Special hazards arising from the substance or mixture

No relevant threat emanating from the fire.

5.3 Advice for fire-fighters

No special measures, because no relevant threat emanating from the fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Wear personal protective equipment (see section 8.2).

Precautions for safety relations see section 7.1.

No emergency plan required.

6.2 Environmental precautions

Provide contamination of sewerage.

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6.3 Methods and materials for containment and cleaning up
Use dry methods if possible.

Dry vermiculite:

For cleaning, use dry methods if possible, do not cause dust, eg. industrial vacuum cleaner with a suitable filter, or remove wet. If it is at a dry cleaning for dust necessarily the personal protective equipment used.

Wet vermiculite:

Wet vermiculite pick up mechanically and dispose according to section 13.

6.4 Reference to other sections

See section 7 and 8.

7. HANDLING AND STORAGE

Don't store or use near food, beverage or tobacco products.

7.1 Precautions for safe handling

Advice on safe handling: Provide dust.
Empty bags or only compress in a clean bag over.

Advice on protection against fire and explosion: The product isn't combustible.

7.2 Conditions for safe storage, including any incompatibilities

Store always in original packing. Packed products should be stored at the bottom in unopened bags in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIVE

8.1 Control parameters

No specific dust: 3 mg/m³ inhalable long-term (repeated)
10 mg/m³ inhalable

8.2 Limitation and monitoring of exposure

8.2.1 Exposure in the workplace

General protection and hygiene measures:

Avoid contact with skin and eyes.

At work don't eat, drink or smoke.

Wash hands before breaks and after work and possibly showers to remove adhering dust.

Contaminated clothing, shoes, watches, etc. clean before further use.

Respiratory protection:

When exceeding the exposure limits, use particle-filtering half mask FFP1 (white).

Hand protection:

Wear protective gloves.

Eye protection:

In case of dust wear lightly fitting safety goggles conforming to EN 166.

Skin protection:

Especially after using the skin care products work.

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Body protection:
Wear closed-sleeved protective dress and tight footwear.

8.2.2 Environmental exposure controls
Conform to the existing technology.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: granules
Physical state: solid
Color: beige
Odour: odourless
pH (T = 20°C): 6,5 - 7,5
Average particle size: 5 µm- 5 mm
Melting range: > 1000°C
Bulk density (T = 20°C): 60 - 160 kg/m³

9.2 Other information

All other physical-chemical parameters listed in Annex II of regulation (EC) No. 1907/2006 are not relevant.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Vermiculite is stable under normal ambient conditions.

10.2 Chemical stability

Vermiculite is stable under normal ambient conditions.

10.3 Possibility of hazardous reactions

Vermiculite is stable under normal ambient conditions.

10.4 Conditions to avoid

Humidity and moisture during storage may cause lump formation and loss of product stability.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

11. TOXIKOLOGICAL INFORMATION

Acute toxicity:

Because by right of available data are the classify criteria don't perform.

Skin corrosion / irritation:

Because by right of available data are the classify criteria don't perform.

Serious eye damage / irritation:

Direct contact with vermiculite can perform the mechanical action to cornea damage.

Care of mechanical injection of vermiculite particles in the eyes (Irritation).

Respiratory or skin sensibility:

Exposure to dust may irritate the respiratory tract (mouth, throat, lungs). Coughing, sneezing and shortness of breath may be the result if exposure exceeds the occupational exposure limit (OEL).

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Long terms of inhaled dust above the OEL may cause coughing, sneezing and shortness of breath and chronic obstructive airway changes.

Germ cell mutagenic:

Because by right of available data are the classify criteria don't perform.

Carcinogenicity:

Because by right of available data are the classify criteria don't perform.

Reproductive toxicity:

Because by right of available data are the classify criteria don't perform.

Specific target organ toxicity single exposure:

Because by right of available data are the classify criteria don't perform.

Specific target organ toxicity after repeated exposure:

Because by right of available data are the classify criteria don't perform.

Aspiration:

Because by right of available data are the classify criteria don't perform.

12. ECOLOGICAL INFORMATION

12.1 Persistence and degradability

Vermiculite is an inorganic / mineral material.

12.2 Bioaccumulative potential

Not available. Vermiculite is inorganic.

12.3 Mobility in soil

Not available. Vermiculite is a mineral material.

12.4 Results of PBT- and vPvB-assessment

Not available. Vermiculite is inorganic.

12.4 Other adverse effects

The product does not meet the criteria for classification as dangerous for the environment in accordance with Regulation (EC) No. 1272/2008 (CLP).

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Unused residue of the dry product

Take up dry. Label container. If possible re-use, while avoiding exposure of dust.

No special methods required.

Disposal of unused residue of the dry product

No special measures necessary except those expressed in the local regulations for the disposal on non-hazards. Uncontaminated vermiculite may also be incorporated as a ripper into the ground.

Contaminated packaging

Empty complete the packaging and recycle.

Dispose in accordance to EAV waste code 15 01 01 (waste paper and cardboard packaging).

14. TRANSPORT INFORMATION

Is not subject to international dangerous goods regulations (IMDG, ICAO / IATA, ADN, ADR / RID).

It is therefore no classification / labeling required.

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
Specific national regulations must be considered.

Water hazard classification:

NWG (non hazardous to water) (self -classification according VwVwS of 17.05.1999)

15.2 Chemical safety assessment

A chemical safety assessment is not required, because vermiculite is a natural mineral.

This PSI was prepared in accordance with (EC) no. 1907/2006 (REACH) and Regulation (EC) no. 1272/2008 [CLP]. Conclusion of the CSA: harmless.

15.3 Labeling

Classification and labeling according to EU directives 1999/45/EC:

No labeling required.

16. OTHER INFORMATION

16.1 General Information

According to Section 1.5.2 of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Article 58 (2) (a) and Article 59 (2) (b) of Regulation (EC) no. 1272/2008 (CLP) which complements Article 31 (1) of the REACH Regulation, Material Safety Data Sheets only for the substances and / or mixtures imperative that meet the criteria for physical, health and / or environmental hazards.

Since the product does not meet these criteria, a safety data sheet is not created.

The safety data sheet is replaced by a PSI to inform you about important information regarding HSE (Health, Safety and Environment).

The Article 31 (7) of the REACH Regulation requires that relevant exposure scenarios from the chemical safety report (CSR) are listed in the annex to the safety data sheet. According to the REACH Annex I, section 0, subsection 0.6 Nos. 4 and 5 must be listed only exposure scenarios for dangerous substances classified and / or mixtures.

As the product is not classified as hazardous, no exposure scenarios are listed.

16.2 Disclaimer

The information in this PSI includes the requirements for the safe handling of this material and correct to the best of our knowledge at the time of creation. Insulation factory Klein makes no representation, guarantee or warranty as to the accuracy, reliability or completeness. It is the responsibility of the customer to verify the information on the adequacy and completeness for their particular purposes.

This product safety information replaces the safety data from 20.09.2012.