

EXFOLIATED VERMICULITE

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1 - IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1 PRODUCT IDENTIFICATION

Vermiculite

1.2 Relevant identified uses of the substance and uses advised against

Vermiculite is a natural mineral consisting of aluminum silicate. The exfoliation process is realized at high temperature. The exfoliated product is totally sterile. Can be used in Passive Fire Protection, Thermal Insulation, Agro- and Horticulture, Packaging and a number of other niche markets.

1.3 Details of the supplier of the safety data sheet

Producer
Nestaan NV
ZI Tournai Ouest II
Rue du Bois des Hospices 2
7522 Blandain
Tel : +32.69.77.83.20
Fax : +32.69.22.95.27
Email address: infonestaan@nhb.be

1.4 Emergency telephone number

Emergency contact : European Alarm No. 112

2 HAZARDS INFORMATION

2.1 Classification of the substance

Vermiculite is not classified as dangerous according to the regulations for the EU

2.2 Label elements

none

3 INFORMATION ON INGREDIENTS

3.1 Substance

Vermiculite Cas No. 1318-00-9

4 FIRST AID MEASURES

4.1 Description of first aid measures

General notes : in case of any doubt, a medical doctor should be consulted.

Inhalation : can cause minor irritations of the bronchial tubes in case of very heavy exposure to dust. Bring the person outside in fresh air.

Skin : can cause minor dehydration in case of very long exposure. Rinse with abundant water and mild soap.

Eyes : the dust can cause a minor irritation. Rinse immediately with abundant clean water for about 15 minutes. When needed consult an oculist.

Ingestion : no known effect on health situation. Drink sufficiently. When needed, consult a medical doctor.

4.2 Most important symptoms and effects, both acute and delayed

Irritation and itch

5 FIREFIGHTING MEASURES

5.1 Extinguishing media : all kind of extinguishing media can be used

5.2 Special Hazards arising from the substance of mixture : vermiculite is incombustible

5.3 Advice for firefighters : no special requirements

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
No special requirements
- 6.2 Environmental precautions**
No special requirement
- 6.3 Methods and material for containment and cleaning up**
Best is to clean up with a vacuum cleaner

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling :**
it's not recommended to eat and drink while working with the product
- 7.2 Conditions for safe storage, including any incompatibilities :**
Store inside, protect from Ultra Violet light and rain (it can harm the packaging).
Vermiculite can absorb a large quantity of liquid.
Don't store the pallets on top of each other.
- 7.3 Specific end uses :**
None, vermiculite is inert and doesn't have a due date.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters :**
None
- 8.2 Exposure controls**
- 8.2.1. Appropriate engineering controls :
In a dusty situation respiratory protection equipment can be used
- 8.2.2. Individual protection measures, such as personal protective equipment :
- a. Eye/face protection : suitable glasses can be provided
- b. Skin protection : suitable gloves, long sleeves can be provided
- c. Respiratory protection : wear suitable mask can be provided
- 8.2.3. Environmental exposure controls :
None

9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- a. Appearance : harmonica shaped particles & powder of a brown, golden, red, grey, colour.
- b. Odour : none
- c. Odour Threshold : none
- d. pH : between 6 and 9
- e. Melting point : around 1350°C
- 9.2 Other information :**
None

10 STABILITY AND REACTIVITY

- 10.1 Reactivity**
Stable and inert
- 10.2 Chemical stability**
stable
- 10.3 Possibility of hazardous reactions**
none
- 10.4 Conditions to avoid**
storage in humidity

11 Toxicological information

- 11.1 Information on toxicological effects**
- a) Acute toxicity no single known toxicological effect
- b) Skin corrosion/irritation can cause some irritation in exceptional cases
- c) Serious eye damage/irritation can cause some irritation in exceptional cases
- d) Respiratory or skin sensitization not known
- e) Germ cell mutagenicity not known
- f) Carcinogenicity not known
- g) Reproductive toxicity not known
- h) STOT-single exposure irritation is possible
- i) STOT-repeated exposure no effects are established in use of low concentrations
- j) Aspiration hazard not applicable

12 ECOLOGICAL INFORMATION

- 12.1 Toxicity**
No ecological implication.
- 12.2 Persistence and degradability**
None
- 12.3 Bioaccumulative potential**
None
- 12.4 Mobility in soil**
None
- 12.5 Results of PBT and vPvB assessment**
None
- 12.6 Other adverse effects**
None

13 DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Destruction and removal of the product should be assured in accordance with the local laws and regulations for non-dangerous products.

14 TRANSPORT INFORMATION

- No special requirements

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

European regulation

Vermiculite is a natural product and non-toxic, it doesn't fall under the Reach Registration Duty.

According to article 2 (7)(b) and annex V paragraph 10 of the Reach Regulations, this material is exempted from Reach Registration.

15.2 Chemical Safety Assessment

None

16 OTHER INFORMATION

The raw Vermiculite is only obtained from areas where there has never been any indication of contamination with hazardous fibrous material. Nevertheless, the suppliers make regular checks on this.

The statements in this Safety Data sheet are offered in good faith as being accurate, but no guarantee of completeness can be made. It is the users obligation to evaluate this product safely and to comply with all applicable laws and regulations. No warranty is made either expressly or implied.

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