

## Safety Data Sheet

## Vermiculite



Version: 1

Version date: 26/04/2023

Language: EN

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1. Product identifier

**Trade name/designation** : Vermiculite.

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

**Relevant identified uses** : Vermiculite is a natural mineral composed of aluminum silicate.  
The exfoliation process takes place at high temperature.  
The product can be used for fire protection, thermal insulation thermal insulation, agro- & horticulture, packaging and many other secondary applications.

**Uses advised against** : No data available.

## 1.3. Details of the supplier of the safety data sheet

**Supplier** : **Name:** NESTAAN SA  
**Street:** Rue du Bois des Hospices 2  
**Postal code/City:** 7522 Blandain  
**Country:** Belgique  
**Telephone:** +32 (69) 77 83 20  
**Telefax:** +32 (69) 22 95 27  
**E-mail:** [info nestaan@nhb.be](mailto:info nestaan@nhb.be)

## 1.4. Emergency Telephone Number

## United Kingdom:

In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195.

## SECTION 2: HAZARDS IDENTIFICATION

## 2.1. Classification of the substance

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

**Hazards identification:** This substance is not classified as dangerous.

## 2.2. Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Labelling

Hazard pictograms

Signal word

## Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

## 2.3. Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.1. Substances

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

## Remark

Not available

## SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General information:**

When in doubt or if symptoms are observed, get medical advice.

**Following inhalation:**

No special measures are necessary.

Provide fresh air.

**Following skin contact:**

Wash with soap and water.

**Following eye contact:**

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion:**

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

**Self-protection of the first aider:**

No special measures are necessary.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

**Notes for the doctor:**

Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Foam.

Extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

Sand.

**Unsuitable extinguishing media:**

Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Do not inhale vapors and fumes.

Co-ordinate fire-fighting measures to the fire surroundings.

Move undamaged containers from immediate hazard area if it can be done safely.

Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

#### 6.2. Environmental precautions

Ensure that waste is collected and contained.

#### 6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed and suitable containers for disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7.

Disposal: see section 13.

Personal protection equipment: see section 8.

**Additional information**

Not available

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**PROTECTIVE MEASURES:**

No special measures are necessary.

**Advices on general occupational hygiene:**

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

## 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep container in upright position in order to prevent leakage.

## 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

### Occupational exposure limits:

Does not contain substances above concentration limits fixing an occupational exposure limit.

### Biological limit values:

Not available

### Exposure limits at intended use:

Not available

### Remark:

Not available

## 8.2. Exposure controls

### Appropriate engineering controls:

See section 7. No additional measures necessary.

### Individual protection measures, such as personal protective equipment: Not available

**Eye/face protection** : **Suitable eye protection:**  
No special measures are necessary.

**Skin protection** : **Hand protection:**  
**Suitable gloves type:**  
No special measures are necessary.

**Body protection:**  
**Suitable protective clothing:**  
No special measures are necessary.

**Respiratory protection** : **Suitable respiratory protection apparatus:**  
No data available.

### Environmental exposure controls:

No special measures are necessary.

### Consumer exposure controls:

Not available

### Additional information

Not available

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Harmonica shaped particles and powder
Colour	: Brown, red, grey..
Odour	: None
pH	: Between 6 and 9
Melting point/freezing point	: Melting point: 1350° C
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Flammability	: Non-flammable
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: 100 Kg +/- 20%
Solubility(ies)	: Not available
Partition coefficient n-octanol/water (log value)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic viscosity	: Not available
Solubility in other Solvents	: Not available
Particle characteristics	: Not available

## 9.2. Other safety information

Information concerning to the classes of physical hazards

Not available

**Other security characteristics**

Not available

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Stable and inert.

**10.2. Chemical stability**

The product is stable when stored at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Storage in humidity.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

**Additional information**

Not available

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity:****Data for mixture:**

Not available

**Substances:**

Not available

**Acute dermal toxicity:****Data for mixture:**

Not available

**Substances:**

Not available

**Acute inhalation toxicity:****Data for mixture:**

Not available

**Substances:**

Not available

**Skin corrosion/irritation:****Data for mixture:**

Not available

**Substances:**

Not available

**Serious eye damage/irritation:****Data for mixture:**

Not available

**Substances:**

Not available

**Skin sensitisation:****Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (repeated exposure):****Data for mixture:**

Not available

**Substances:**

Not available

**Specific target organ toxicity (single exposure):****Data for mixture:**

Not available

**Substances:**

Not available

**Carcinogenicity:**

**Data for mixture:**

Not available

**Substances:**

Not available

**Reproductive toxicity:**

**Data for mixture:**

Not available

**Substances:**

Not available

**Germ cell mutagenicity:**

**Data for mixture:**

Not available

**Substances:**

Not available

**Sensitisation to the respiratory tract:**

**Data for mixture:**

Not available

**Substances:**

Not available

**Additional information:**

Not available

**11.2. Information on other hazards**

**Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

Based on available data, the classification criteria are not met.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.2. Persistence and degradability**

None.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.3. Bioaccumulative potential**

None.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.4. Mobility in soil**

None.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.5. Results of PBT and vPvB assessment**

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

**12.6. Endocrine disrupting properties**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**12.7. Other adverse effects**

Not available

**Additional ecotoxicological information**

Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Product/Packaging disposal:****Waste codes/waste designations according to EWC/AVV:**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste treatment options:****Appropriate disposal/Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal/Package:**

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

**Remark:**

For recycling, contact manufacturer.

**Additional information**

Not available

## SECTION 14: TRANSPORT INFORMATION

**14.1. UN number**

The product is not hazardous according to the applicable transport regulations.

**14.2. UN proper shipping name**

Not regulated.

**14.3. Transport hazard class(es)**

Not regulated.

**14.4. Packing group**

Not regulated.

**14.5. Environmental hazards**

Not regulated.

**14.6. Special precautions for user**

Not regulated.

**14.7. Bulk shipping according to IMO instruments**

Not regulated.

**Additional information**

Not available

## SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

**15.2. Chemical Safety Assessment**

For this substance/mixture a chemical safety assessment is not required.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**Additional information**

Not available

## SECTION 16: OTHER INFORMATION

**Indication of changes**

Not applicable (first edition of the MSDS).

**Abbreviations and acronyms**

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

**Key literature references and sources for data**

No data available.

**Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]**

Complies with ATP 18, Regulation (EU) n°2022/692.

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

**Relevant R-, H- and EUH-phrases (Number and full text)****Training advice**

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

**Additional information**

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The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.