

SAFETY DATA SHEET OF VERMICULITE

(According to 91/155 EC)

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1. Identification of the production company	
- Name of the company	GRENA a.s.
- Street, No.	CSA, 540
- City	Veseli nad Luznici
- ZIP Code	391 81
- Country	Czech Republic
- Identification number	46678832
- Telephone	+420 381 549 111
- Fax	+420 381 581 071
- E-mail	grena@grena.cz
- www	www.grena.cz
2. Name of product	
Grena Vermiculite	
2.1. The type	
Medium, Super Fine, Fine, Medium, Large	
3. Composition of the product	
$(\text{Na}_{0,21}, \text{K}_{0,39} \text{Mg}_{0,19} \text{Ca}_{0,13} 6\text{H}_2\text{O})$ $(\text{Mg}_5 \text{Fe}^{+2}_{0,2} \text{Fe}^{+3}_{0,8}) [\text{Si}_{5,5} \text{Al}_{2,5} \text{O}_{20}] (\text{OH})_4$	
Vermiculite is a member of the phyllosilicate or sheet silicate group of minerals.	
4. Hazard identification	
- Critical hazards of man and environment	None
5. First aid	
- General information	No special measures necessary
- After inhalation	To go to fresh air
- After skin contact	Without skin irritation
- After eye contact	Rinse out of the running water.
6. Fire fighting measures	
- General information	Use extinguishing measures appropriate to the source of fire
- Special protective	It is not necessary
7. Accidental release measures	
- Personal precautions	None
- Environmental precautions	No special measures necessary
- Methods for cleaning up	Clean up mechanically
8. Handling and storage	
- Handling	In big bags, paper bags, silo truck
- Precautions against fire and explosion	None
- Storage	In dry places, under a roof
9. Exposure controls and personal protection	
- General protective and hygienic measures	Not necessary
- Respiratory protection	Not necessary
- Hand protection	Not necessary
- Eye protection	Not necessary

10. Physical and chemical properties

Appearance

- | | |
|---------|------------|
| - Form | Bulk goods |
| - Color | Beige |
| - Odor | None |

Safety parameters

- | | |
|----------------------------|--------------------------|
| - Change in physical state | None |
| - Melting point | 1.250°C, 2.282°F |
| - Auto flammability | None |
| - Explosive properties | None |
| - Density | 80-130 kg/m ³ |
| - pH-value | 5,5 |
| - Thermal conductivity | 0,12 W/mK at 20°C |
| - Combustibility | Non-combustible |

11. Stability and reactivity

- | | |
|------------------------------------|--|
| - General information | Generally standard industrial practices, no hazardous reaction known |
| - Conditions to avoid | None known |
| - Materials to avoid | None known |
| - Hazardous decomposition products | None known |

12. Toxicological information

- | | |
|-------------------------------------|---------------|
| - Acute toxicity | No data known |
| - Further toxicological information | No data known |

13. Ecological information

Do not discard larger quantities into land or ground water

14. Regulation of transport

Land transport

- | | |
|---------------|------------------------|
| - GGVS / GGVE | Non-hazardous material |
| - ADR / RID | Non-hazardous material |

Inland navigation

- | | |
|--------------|------------------------|
| - ADN / ADNR | Non-hazardous material |
|--------------|------------------------|

Transport by sea

- | | |
|-----------------------|------------------------|
| - IMDG / GGVsea-class | Non-hazardous material |
|-----------------------|------------------------|

Air transport

- | | |
|---------------------|------------------------|
| - ICAO / TI | Non-hazardous material |
| - IATA / DGR | Non-hazardous material |
| - ICAO / IATA-class | Non-hazardous material |

15. Regulatory information

Identification according to EEC directives not necessary

16. Other information

The product information provided is not based on Guideline 91/155/EEC

All above information describe the safety requirements of the product and is based on our present-day knowledge. It does not represent guarantee for properties of the product described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet

Dept.responsible for issuing Safety Data Sheet
Contact

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