

Mikolit 300**1. Product/company identification.**

<i>Product name</i>	Mikolit 300
<i>Type</i>	Clay mix containing Sodium carbonate activated calcium montmorillonite clay
<i>Application</i>	A bentonite sealant for applications in civil engineering, drilling etc.
<i>Supplier</i>	Terratech BV, Engelenkampstraat 71, 6130 AB Sittard, Netherlands
<i>Contact person</i>	Mr A. Timmermans tel. (31)46 452 6662 fax (31)46 451 3055

2. Composition/ingredients

according RFA/DIN 51001	
SiO ₂	62%
Al ₂ O ₃	19%
Fe ₂ O ₃	4%
Other	15%

3. Hazards Identification

The components of the products are not listed for classification under the CHIP 2 Regulations 1994, and in the forms supplied these products can be considered non-hazardous.

Any dust generated during handling is also non-hazardous provided exposure is kept below Occupational Exposure Limits. The respirable free silica component is classified as a potential hazard to health by prolonged inhalation. Wet clay on the floor could present slipping hazard.

4. First-Aid measures

Eye contact: Irrigate with plenty of cold water.
Skin contact: No measures required.
Ingestion: inform doctor
Inhalation: remove to fresh air
Other: no measure required

5. Fire-Fighting measures

The products are non-combustible and no measures are required.
Extinguisher type: General-Purpose-for packing material only.
Special Procedures: None required.

6. Accidental release measures.

There are no known risks associated with the products in contact with water or water.
Accidental spillages should be recovered in a manner that minimises the creation of dust or slippery surfaces if wet.

7. Handling and storage.

Handle to avoid creating dust. Use local exhaust ventilation and appropriate respiratory protection where necessary.
Store in a dry place, protected from sun, maintain good housekeeping practice.

8. Exposure Controls/Personal protection.

HSE Guidance note EH40 gives 8-hour TWA Occupational Exposure limits as follows:
Montmorillonite: total inhalable dust 10 mg/m³ (OES) Respirable dust 5 mg/m³ (OES)
Silica, Crystalline: Respirable dust 0,4 mg/m³ (MEL)
Below these limits the products can be considered non-hazardous. The use of local exhaust ventilation and appropriate respiratory protection is nevertheless advised.

9. Physical and Chemical properties

Appearance: Creamy, free flowing granules
Physical Form: Solid
Specific Gravity, 2600KG/M³:
Solubility in water: Insoluble
pH: approx 10.5
Odour: none

10. Stability and Reactivity

Chemical Stability: Stable in the form Supplied
Conditions to avoid: none known
Materials to avoid: none known
Hazardous decomposition: none known

11. Toxicological Information.

Health Hazards
Acute: none
Chronic: Prolonged and continuous exposure to free crystalline silica by inhalation can lead to irreversible health effects.

12. Ecological information

Calcium Montmorillonite clay is a naturally occurring substance presenting no known ecological hazards.

13. Disposal considerations

The product may be disposed of as solid non-hazardous waste according to the national laws and local regulations.
The product should either be moistened or covered with earth during landfill disposal to minimise airborne dust.

14. Transport information.

No special labelling or transport requirements are required for this product.

15. Regulatory information

Classification and labelling follows EEC directives and UK EH40 and COSHH guidelines
Risk phrases: none
Safety phrases: none

16. Other Information

This sheet is prepared to meet the requirements of the Chemicals Regulations 1994 (Hazard Information and Packaging for Supply)