

1 Identification of substance

- **Product details:**
- **Trade name:**
Not applicable
None
None
BENTONE 500
- **Synonyms** rheological additive
- **Application of the substance / the preparation** Rheology additive
- **Manufacturer/Supplier:**
Elementis Specialties
p/a Elementis Service Centre N.V.
Pegasus Park
De Kleetlaan 12A - P.O. Box 3
B-1831 Diegem, Belgium
Tel: +32 (0) 2 790 76 00
Fax: +32 (0) 2 790 76 60
- **Informing department:**
Elementis Specialties, Diegem, Belgium
Tel.: + 32 (0)2 790 76 32
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- **Emergency information:** Tel.: +44 1506 430 331

2 Composition/Data on components

- **Chemical Characterization:**
- **CAS No. Designation:**
97952-69-7 BENTONE 500
- **Identification number(s):**
- **EINECS / ELINCS Number:** 3083624
- **Chemical characterization:**
- **Description:** Organic derivat of a smectite clay

3 Hazards identification

- **Hazard designation:** none
- **Information pertaining to particular hazards for man and environment:** none
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:** Wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, extinguishing powder or water jet. Fight larger fires with water jet.
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:**
Keep away from ignition sources
Avoid causing dust.
Product forms slippery surface when combined with water.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Collect mechanically.
- **Additional information:**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Avoid high dust concentrations.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

* 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:**
Use breathing protection in case of insufficient ventilation.
Filter P1.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Rubber gloves
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

· General Information

Form:	Powder
Colour:	Whitish
Smell:	Odourless

· Change in condition:

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined

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|---|------------------------------|
| · Flash point: | Not applicable |
| · Self-flammability: | Product is not selfigniting. |
| · Danger of explosion: | liable to dust explosion |
| · Critical values for explosion: | |
| Lower: | 50 g/m ³ |
| · Density at 20°C: | 1.47 g/cm ³ |
| · Solubility in / Miscibility with | |
| Water: | Insoluble |

10 Stability and reactivity

- **Thermal decomposition / Conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
Product LD50 oral >5000 mg/kg rat
- **Primary irritant effect:**
- **on the skin:** None known
- **on the eye:** Eye exposure (to dust) may produce irritation.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
As with any nuisance dust, long-term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects.
Long-term exposures to excessive amounts of respirable crystalline silica dust may cause lung damage (silicosis) in humans.
This product contains <1 % crystalline silica.

12 Ecological information

- **General notes:**
Water Hazard class 1: slightly hazardous for water.
Do not allow undiluted product or large quantities of it to penetrate into ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation:** Must be specially treated under adherence to official regulations.
- **EWC Code No.** 10 12 99
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **Transport/Additional information:** Not dangerous according to transport specifications.

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15 Regulatory information**· Designation according to EC guidelines:**

*The material is not subject to classification according to EC lists and other sources of literature known to us.
Observe the normal safety regulations when handling chemicals.
The product is not subject to classification according to EC Directives / relevant national laws.*

· National regulations:

· Water hazard class: Water hazard class 1: slightly hazardous for water.

*** 16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

· Department issuing data specification sheet: Environment & Safety

· * Data compared to the previous version altered.

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