

1 Identification of substance

- **Product details:**
- **Trade name:** BENTONE 27
- **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:**
Environment, Health & Safety Department
Elementis Specialties, Diegem, Belgium
Tel.: + 32 (0)2 790 76 32
Fax : + 32 (0)2 790 76 61
- **Emergency information:** Tel.: +44 1506 430 331

2 Composition/Data on components

- **Chemical Characterization:**
- **CAS No. Designation:**
71011-26-2 BENTONE 27
- **Identification number(s):**
- **EINECS / ELINCS Number:** 275-126-4
- **Additional information:** Organic derivative of a smectite clay.

3 Hazards identification

- **Hazard designation:** none
- **Information pertaining to particular hazards for man and environment:** none

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:** The product is not skin irritating.
- **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 or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Avoid causing dust.
Keep away from ignition sources
Product forms slippery surface when combined with water.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Collect mechanically.

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- **Additional information:**
- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment.
- See Section 13 for information on disposal.
- No dangerous materials are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** Not required.
- **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:** Filter P1.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **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:** Not required.
- **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

- **Flash point:** Not applicable

- **Flammability (solid, gaseous):** Product is not flammable.

- **Danger of explosion:** Product is not explosive.

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· Density at 20°C:	1.8 g/cm ³
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· Apparent density at 20°C:	340 kg/m ³
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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	>20000 mg/kg rat
Oral	LD50	>20000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Eye exposure (to dust) may produce irritation.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
 The material is not subject to classification according to EC lists in the last version.
 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.

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.

· European waste catalogue

01 00 00	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 04 00	wastes from physical and chemical processing of non-metalliferous minerals
01 04 99	wastes not otherwise specified

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **Marine pollutant:** No

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15 Regulatory information

- **Designation according to EC guidelines:**
*Observe the normal safety regulations when handling chemicals.
The material is not subject to classification according to EC lists and other sources of literature known to us.*
- **National regulations:**
- **Water hazard class:** *Water hazard class 1: slightly hazardous for water.*
- **Other regulations, limitations and prohibitive regulations:**
- **EU-VOC:** g/l
- **EU-VOC(%):** 0.00 %
- **Swiss-VOC:** 0.00 %

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, Health & Safety Department*
- **Contact:**
*HS&E Department
tel: +32 (0)2 790 76 32
fax: +32 (0)2 790 76 61*
- *** Data compared to the previous version altered.**

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