

1 Identification of substance

- **Product details:**
- **Trade name:** **BENTONE CT**
- **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
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- **Informing department:**
Elementis Specialties, Diegem, Belgium
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- **Emergency information:** Tel.: +44 1506 430 331

2 Composition/Data on components

- **Chemical Characterization:**
- **CAS No. Designation:**
12173-47-6 Hectorite
- **Identification number(s):**
- **EINECS / ELINCS Number:** 2353400
- **Additional information:** Natural hectorite

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.
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:** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation

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- 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:** 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:**
- **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

- **Flash point:** Not applicable

- **Danger of explosion:** Product is not explosive.
- **Density at 20°C:** 2.65 g/cm³

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- **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:** No irritant effect.
- **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.

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.

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.
The product is not subject to classification according to EC Directives / relevant national laws.

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

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