

## 1 Identification of substance

- **Product details:**
- **Trade name:** BENTONE® SD-1
- **Article number:** 10799
- **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:**  
Product Stewardship Department  
Elementis Specialties, Diegem, Belgium  
Tel.: + 32 (0)2 790 76 32  
Fax : + 32 (0)2 790 76 61
- **Emergency information:** Tel.: +32 3 575 55 55 (SGS)

## 2 Composition/Data on components

- **Chemical characterization:**
- **Description:** Organically modified clay mineral

- **Dangerous components:**

|                   |                            |        |
|-------------------|----------------------------|--------|
| CAS: 14808-60-7   | Quartz (SiO <sub>2</sub> ) | < 2.0% |
| EINECS: 238-878-4 |                            |        |

- **Additional information:**  
For components with critical values that require monitoring at the workplace see Section 8  
For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard designation:** none
- **Information pertaining to particular hazards for man and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **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:**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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· **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Collect mechanically.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
No special measures required.  
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:**

### 14808-60-7 Quartz (SiO<sub>2</sub>)

|        |  |
|--------|--|
| CHAN35 | Short-term value: 0.1 mg/m <sup>3</sup><br>Long-term value: 0.1 mg/m <sup>3</sup><br>MEL (respirable crystalline silica) |
|--------|--|

- **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:**  
Breathing protection recommended.  
Filter P1.  
Use breathing protection in case of insufficient ventilation.
- **Protection of hands:** Not required.
- **Eye protection:**  
Not required.  
Safety glasses recommended during refilling.
- **Body protection:** Light weight protective clothing

## \* 9 Physical and chemical properties

- **General Information**

|                |           |
|----------------|-----------|
| <b>Form:</b>   | Powder    |
| <b>Colour:</b> | Whitish   |
| <b>Smell:</b>  | Odourless |

- **Change in condition:**  
**Boiling point/Boiling range:** Not determined

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|  |   |
|--|---|
| · <b>Flash point:</b>                            | Not applicable  |
| · <b>Self-flammability:</b>                      | Product is not selfigniting.                          |
| · <b>Danger of explosion:</b>                    | Product is not explosive.<br>liable to dust explosion |
| · <b>Critical values for explosion:</b>          |   |
| · <b>Density at 20°C:</b>                        | 1.47 g/cm <sup>3</sup>                                |
| · <b>Solubility in / Miscibility with Water:</b> | Insoluble   |
| · <b>Solvent content:</b>                        |   |
| · <b>Organic solvents:</b>                       | 0.0 %   |
| · <b>Solids content:</b>                         | 100.0 %   |

### 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:**

|      |                                   |
|------|-----------------------------------|
| LC50 | >10000 mg/Kg (Corotium volutator) |
|------|-----------------------------------|

- **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:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

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.

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

- **Ecotoxic effects**

- **Acquatic toxicity:**

|                      |                                |
|----------------------|--------------------------------|
| Biochemic.oxygen dem | (NO)                           |
| EC50                 | >2000 mg/l (Acartia tonsa)     |
| EC50 Algen           | 10 mg/l (Skeletonema costatum) |
| chemical oxygen dema | 1.30 O2/mg (NO)                |

- **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.

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### 13 Disposal considerations

- **Product:**
- **Recommendation:**  
Must be specially treated under adherence to official regulations.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **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:** Disposal must be made according to official regulations.

### 14 Transport information

- **ADR/RID-GGVS/E Class:** -
- **IMDG/GGVSea Class:** -
- **Marine pollutant:** No
- **ICAO/IATA Class:** -

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

### 15 Regulatory information

- **Designation according to EC guidelines:**  
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.
- **Other regulations, limitations and prohibitive regulations:**
- **EU-VOC(%):** 0.00 %

- **EINECS/ELINCS:**

All ingredients are listed.

### 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:**  
Product Stewardship Dept.  
Tel.: +32 2 790 76 32  
Fax : +32 2 790 76 60
- **\* Data compared to the previous version altered.**