

# RS Minerals Ltd

## BENTONEX SB

### Technical Data

This document was revised on 4<sup>th</sup> January 2014 and supersedes all earlier versions.

#### **Product Description**

Bentonex SB is an OCMA grade sodium activated bentonite, milled and air classified to give a consistent fine powder. It is ideal for civil engineering and geotechnical applications. Bentonex SB can also be used in water treatment.

#### **Typical Chemical Analysis**

SiO <sub>2</sub>	57.1%	Na <sub>2</sub> O	3.27%
Al <sub>2</sub> O <sub>3</sub>	17.79%	K <sub>2</sub> O	0.9%
Fe <sub>2</sub> O <sub>3</sub>	4.64%	TiO <sub>2</sub>	0.77%
CaO	3.98%	Mn <sub>2</sub> O <sub>3</sub>	0.06%
MgO	3.68%	LoI	7.85%

#### **Typical Mineralogy**

Montmorillonite	92%
Calcite	4%
Feldspars	2%
Quartz	1%
Dolomite	1%

#### **Other Typical Properties**

Bulk Density	800 – 900 Kg/m <sup>3</sup>
Swelling Volume	29 ml/2g
Moisture	Maximum 14% by weight
Cation Exchange Capacity	78 meq / 100g

#### **Sieve Analysis**

Maximum 5% retained on a 150µm sieve

### **RS Minerals Ltd**

23 Allerston Way, Guisborough, Cleveland TS14 6GA  
Tel +44 (0)1287 631530  
info@rsminerals.co.uk