



# ECCASEAL SB

## SODIUM BENTONITE

A granulated sodium bentonite with high swelling properties used as a soil sealant for water-proofing earth dams, environmental protection layers, and other civil engineering applications.

CHEMICAL ANALYSIS (%)	TYPICAL
SiO <sub>2</sub>	62,2
Al <sub>2</sub> O <sub>3</sub>	18,6
Fe <sub>2</sub> O <sub>3</sub>	3,5
TiO <sub>2</sub>	0,2
CaO	0,8
MgO	3,7
K <sub>2</sub> O	0,7
Na <sub>2</sub> O	2,4
L.O.I.	7,9

MINERALOGY (APPROXIMATE)	
% Montmorillonite	94
% Quartz	5,5
% Mica	0,5

PHYSICAL PROPERTIES		
Colour (Crude)	White - Fawn	
Appearance	Granules	
Moisture (%)	8 - 15	
Specific gravity (g/cm <sup>3</sup> )	2,51	
Loose bulk density (g/cm <sup>3</sup> )	1,1	
Particle size distribution	+ 2.0 mm (% retained)	≤ 10
	- 0.075 mm (% retained)	≤ 15
pH (30g in 60ml water)	9 - 10	
Swelling index (ml/2g)	20,6	
Water absorption (on sinter plate in %)	537%	

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### HEALTH AND SAFETY

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Eccaseal SB is a natural dried alumino silicate product, which generates dust when handled in dry conditions. Eccaseal SB is low in dust likely to yield respirable silica levels. A dust mask is recommended for use when handling this product in bulk volumes. The material is a natural dessicant. Handling with gloves or the use of a barrier cream will prevent drying of the skin. The product is very slippery when wet and special care must be taken during handling in wet conditions.

### PACKAGING

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Eccaseal SB is available in the following packaging:

- 1.0 metric ton woven polypropylene bulk bags.
- 40 kg multiply bags, 25 bags per 1.0 metric ton pallet.

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