



RX MARINE INTERNATIONAL

Manufacturing & Marketing
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PRODUCT DATA SHEET BENTONITE POWDER API SEC 11

PRODUCT DESCRIPTION:

BENTONITE POWDER is a selected bentonite that is carefully processed and converted to a high yielding sodium montmorillonite bentonite. **BENTONITE POWDER** is a viscosifier and fluid loss reducer agent for all types of water based systems.

PHYSICAL PROPERTIES:

Appearance	Light brown to grey free flowing powder
Type	Sodium montmorillonite confirms With API 13A Sec 11
Bulk density	795-805 kg/m ³
Density	2.5 g/cm ³
Ph (5% suspension)	9

APPLICATIONS:

BENTONITE POWDER is an effective viscosifier and water loss control agent for fresh water muds. **BENTONITE POWDER** is used to increase viscosity and reduce fluid loss in water base drilling fluids. It is a cost-effective means of achieving viscosity, fluid-loss control and filter-cake quality in freshwater and seawater muds. In salt water muds it should be pre-hydrated in freshwater to achieve the maximum yield prior to circulating the substances to the mud system.

In spud mud the dosage ranges from 15-25 ppb to prepare high viscous muds, while in bentonite/salt gel system for upperhole section it can used 10-15ppb. In polymer and dispersed systems the dosage ranges from 5-12ppb where in all cases the **BENTONITE POWDER** should be pre-hydrated in fresh water and to be mixed through the hopper.

PERFORMANCE SPECIFICATIONS:

S.No.	Parameters	Specifications
1.	Viscometer Dial Reading at 600 rpm	30 cps min
2.	YP / PV Ratio	6 max
3.	API Fluid Loss	16 ml max
4.	Residue > 75 micrometers	2.5% max
5.	Moisture Content	12% max

ENVIRONMENTAL INFORMATION:

For information concerning environmental regulation applicable to **BENTONITE POWDER API**, Contact the Health Safety and Environmental Department.

SHIPPING:

Transportation of Commodity name is not restricted by either international or INDIA regulatory Agencies.

SAFE HANDLING RECOMMENDATIONS:

Utilize normal precautions for employee protection when handling chemical products. Use of standerd PPE is recommended for employee comfort and safety.

See material safety data sheet(MSDS) prior to use.

PACKING:

BENTONITE POWDER is Packed in 25 Kg, 50 Kg, 1000 Kg Jumbo Bags.