

BENTONITE – NATURAL GEL

VISCOSIFIER

BENTONITE – NATURAL GEL is a 200-mesh bentonite that contains no polymer additions, meeting API Specification 13A, Section 10. NATURAL GEL provides viscosity, gelling and filtration control properties to most fresh water-based drilling fluids where an unaltered high quality bentonite is required. NATURAL GEL is also used in hydraulic-barrier applications (pond-sealing, slurry trenching, caissons, etc.) and in monitoring wells.

FEATURES AND BENEFITS:

- Meets or exceeds API specifications for bentonite (13A, section 10).
- Contains no additives
- Provides viscosity to improve hole-cleaning capacity of drilling fluids
- Provides suspension for weighting material
- Provides filtration control and forms a thin filter cake with no permeability
- Environmentally acceptable

BENTONITE – NATURAL GEL requires a pH of 8.5-9.5 for optimal performance. Pre-treat make-up water with SODA ASH as required. BENTONITE – NATURAL GEL will not hydrate in saline water (> 6,000 mg/L); pre-hydrate in fresh water if required.

RECOMMENDED TREATMENT: 20-100 kg/m³

PHYSICAL PROPERTIES:

Appearance:	Tan-grey powder
Specific Gravity:	2.45-2.55
Solubility:	Insoluble (forms colloidal suspension)
pH:	8.0-10.0 (5% solution)
Bulk Density:	800 kg/m ³ (un-compacted), 1169 kg/m ³ (compacted)

MIXING/HANDLING:

Mix slowly through a mixing hopper (5 minutes/bag). Refer to the SDS for specific precautions and handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 40 kg bag / 40 bags/pallet