



## Product Information

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### Gel (Natural Bentonite)

#### GENERAL DESCRIPTION

Bentonite – Natural Gel is used in drilling operations where unaltered high quality bentonite is desired. Ideal for drilling water monitor wells where additives may affect chemical analysis.

Bentonite – Natural Gel is used in oil and gas exploration, slurry trenching, diaphragm walls, and as a soil add mixture.

#### FEATURES AND BENEFITS

- Manufactured to exceed API 13A, Section 10 Specifications
- 200 mesh viscosity builder
- Naturally enhances fluid loss characteristics
- Aids bore hole and trench stabilization
- Has no additives to influence water analysis
- pH of  $9.1 \pm 0.1$

#### RECOMMENDED TREATMENT

Mix 20 to 50lbs per 100 gallons of make-up water. Allow extra circulation time before drilling to insure proper hydration of Bentonite – Natural Gel.

#### TYPICAL PHYSICAL PROPERTIES

SiO <sub>2</sub>	61.04	MgO	1.70
Al <sub>2</sub> O <sub>3</sub>	18.10	CaO <sub>3</sub>	0.40
Fe <sub>2</sub> O <sub>3</sub>	3.50	TiO <sub>2</sub>	0.20
K <sub>2</sub> O	0.10	Na <sub>2</sub> O	2.30
MnO	0.10	H <sub>2</sub> O	7.80
L.O.I *	4.40	Other	0.07

\*Loss on Ignition

#### HANDLING

Bentonite – Natural Gel is a controlled product using the WHMIS classification D2A but is not regulated by TDG.

Refer to MSDS information for specific precautions and handling.

#### AVAILABILITY

Bentonite – Natural Gel is available in 40kg bags from HiTech Fluid Systems Ltd.