

BioPol

Biodegradable Natural Polymer



DESCRIPTION

BioPol is an easily mixed natural polymer used to viscosify fresh or salty water. It has a particular application as a low solids, biodegradable drilling fluid for use in water wells.

BioPol is non-toxic and biodegradable

APPLICATIONS

- Increases viscosity to improve hole cleaning
- Good application as water well drilling polymer
- Compatible in all water types
- Improves hole stability in sandy and water sensitive formations

ADVANTAGES

- BioPol builds viscosity with small concentrations.
- Makes a one sack waterwell drilling fluid
- Controls filtrate loss in permeable formations.
- Mixes well in fresh or salt water.

BREAK BACK

BioPol systems usually break back to water thin consistency within 48 hours. Saline water or low temperature can retard this break effect while warm conditions will accelerate it.

Viscosity may be prolonged by adding Fluidstar environmentally friendly and non-toxic Bio-Extender and/or increasing the pH to between 10.5-11.0.

To accelerate the development of a waterwell, 0.5% Sodium Hypochlorite can be added to the fluid followed by surging .

TYPICAL PROPERTIES

Physical Appearance	Light tan to grey powder
Odour	None
Solubility	Soluble

USAGE

Addition rates vary from 3 – 8 kg/ 1000 litres depending on formation type, water quality, hole diameter etc.

PACKAGING

15kg plastic pails.