

## QUIMAGEL C-50P

### Additive for drilling

**Chemical composition:**

**QUIMAGEL C-50P** is a product mainly formulated with medium viscosity CMC, which ensures excellent properties as a thickener and binder for drilling fluids.

**Description:**

<p><b>Quimagel C-50P</b> is a rheological additive which increases viscosity and provides thixotropy to drilling fluids. This product is commonly used in drilling process.</p> <p><b>Quimagel C-50P</b> must be added slowly to water while stirring, until homogeneous mixture in gel form. This gel facilitates drilling tasks and holds the walls of the hole.</p> <p><b>Quimagel C-50P</b> is biodegradable. This product can be used alone or in combination with other drilling additives.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">PROPERTY</th> <th style="padding: 5px;">VALUE</th> <th style="padding: 5px;">UNIT</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><b>Aspect:</b></td> <td style="padding: 5px;"><b>Cream powder</b></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;"><b>Density (20°C)</b></td> <td style="padding: 5px;"><b>N.A</b></td> <td style="padding: 5px;"><b>N.A</b></td> </tr> <tr> <td style="padding: 5px;"><b>Viscosity (20°C) (2% sol.)</b></td> <td style="padding: 5px;"><b>150-300</b></td> <td style="padding: 5px;"><b>cp</b></td> </tr> <tr> <td style="padding: 5px;"><b>pH Value (20°C) (2% sol.)</b></td> <td style="padding: 5px;"><b>6.5-8.5</b></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;"><b>Purity</b></td> <td style="padding: 5px;"><b>&gt;98</b></td> <td style="padding: 5px;"><b>%</b></td> </tr> </tbody> </table>	PROPERTY	VALUE	UNIT	<b>Aspect:</b>	<b>Cream powder</b>		<b>Density (20°C)</b>	<b>N.A</b>	<b>N.A</b>	<b>Viscosity (20°C) (2% sol.)</b>	<b>150-300</b>	<b>cp</b>	<b>pH Value (20°C) (2% sol.)</b>	<b>6.5-8.5</b>		<b>Purity</b>	<b>&gt;98</b>	<b>%</b>
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**Applications:**

**QUIMAGEL C-50P** is mainly used to drill granular materials, silt and clay, with very good performance in a basic pH range (pH>5.5). In aqueous solution forms a viscous gel whose main applications are:

- **Facilitate drilling effect "lubricant".**
- **Holding and give more stability to the walls of the hole.**
- **Avoid drilling siphoning of confined groundwater levels at very low pressure.**
- **Facilitate the removal of cuttings inside the hole.**
- **Facilitate cooling of the drill or drill bit.**

**How to use :**

**QUIMAGEL C-50P** is directly added to the water for drilling, stirring the mixture until homogeneous. It can be necessary to wait 10-20 minutes until complete hydration.

There is not a specific dosage for this product because it depends on drilling, but normal dosage can be between **0.5- 3%** of total water.

**Presentation and storage:**

**QUIMAGEL C-50P** is provided in sacks of 25 Kg. The product is stable during 8 months in properly storage conditions.