

# Product Data Sheet

# CEBO



# Hybrid-Gel

**CEBO Hybrid-Gel** is a biodegradable, environmentally friendly drilling fluid based on natural, non-toxic polymers, suitable as a single-sack solution to rapidly build viscosity and control fluid loss, or as an additive to bentonite/polymer systems. Its low mixing ratio makes it ideal for small-scale applications such as fiber-optic and drainage pipeline installations, requiring clean bore stability and efficient cuttings transport. The product reduces clay and shale degradation, ensures reliable solids suspension, delivers higher yield at lower transport costs than bentonite, and performs consistently in both fresh and saltwater environments.

## Advantages

- Saltwater tolerant & versatile – Performs reliably in both fresh and saltwater and can be used as a stand-alone product or to enhance bentonite/polymer-based fluids.
- High efficiency at low dosage – Low mixing ratio delivers strong viscosity, effective solids suspension, and reduced transport costs compared to bentonite.

## Typical Properties

Appearance	Dry, free flowing polymer
Colour	Off white
Form	Powder

## Recommended Use

Add CEBO Hybrid-Gel slowly and uniformly through a high shear Venturi-Hopper to fresh or salt water and maintain circulation until the fully dispersed and hydrated.

CEBO Hybrid-Gel can be applied as a single-sack solution in both fresh and saltwater, with typical dosages of 2–4 kg/m<sup>3</sup> in consolidated formations and 4–6 kg/m<sup>3</sup> in unconsolidated formations. When used as a bentonite-based fluid enhancer in fresh water, effective treatment levels are significantly lower, ranging from 0.25–1 kg/m<sup>3</sup>.

The addition of 1–3 kg/m<sup>3</sup> calcium hypochlorite promotes rapid degradation of the suspension, while dosing 0.5–1.25 L/m<sup>3</sup> of 5.25% sodium hypochlorite delays the degradation process.

**CEBO Hybrid-Gel is available in 22 kg bags.**

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\*As far as we can judge, the above information is correct. However, we cannot give you any guarantees about the results you will achieve with this. This description is offered to you on the condition that you decide for yourself to what extent it is suitable for your purposes.

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