

## PRODUCTS TECHNICAL DATA

### PRODUCT NAME : **Polyanionic Cellulose, ME-PAC** COMPOSITION / INFORMATION ON INGREDIENTS AND APPLICATIONS

**ME-PAC** is a blended sized filtration loss control agent with extremely low viscosity. Blended sized **ME-PAC** is used as rheological regulators to adjust the rheology of drilling fluid quickly under the condition of low dosage. Its used in most water-based drilling fluids including fresh water, sea-water, and brine up to 300°F (149°C). **ME-PAC** filtration control additive has a very low impact on fluid rheology, is non-toxic and does not require a biocide. filtration control additive exceeds the European specifications for low viscosity polyanionic.

#### Advantages

- » Effective in fresh water, salt water, and brine-based drilling fluids
  - » Effective in small concentrations for filtration control
  - » Is stable at temperatures up to 300°F (149°C)
  - » Effective in moderate to high pH systems
  - » Does not require a bactericide
  - » strong salt resistance and calcium and magnesium resistance
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- ✧ Mud containing **ME-PAC** can makes the well wall form thin and strong, low permeability filter cake, and reduce the loss of fluid;
  - ✧ High substitution degree, good substitution uniformity, high viscosity, low dosage, effectively improves the mud use efficiency;
  - ✧ Moisture-resistant, salt-resistant, alkali-resistant, suitable for fresh fluid, seafluid, saturated salt water-based mud;
  - ✧ Mud cake quality is good and stable, which can effectively stabilize soft soil structure and prevents well wall collapse; entering pores and fractures;
  - ✧ Use **ME-PAC** to makes the pressure filter fluid , that can withstands 2% kcl solution and has good solubility, easy to use, can be prepared on the spot, and has fast glue forming, strong sand carrying ability.

Recommended dosage: 2-4%      Appearance: Brown flowing powder. PH : 7-8