TETRAPac

FILTRATE CONTROL AGENT

Overview

TETRAPac is a high purity, high molecular weight polyanionic cellulose (PAC) polymer, used as a fluid loss control agent and viscosifier in water-based drilling fluids.

Features and Benefits

- Provides filtrate loss control with system viscosity.
- Suitable for use in freshwater systems and those based on monovalent brines.
- Effective at low concentrations, particularly when combined with other fluid loss control agents.
- Stable to temperatures up to 300°F (149°C) in 'standard systems' and can be used at higher temperatures in 'specialized systems.'
- Meets the environmental requirements of the North Sea and Gulf of Mexico.

Applicable Information

TETRAPac filtrate control agent can be used as a fluid loss control agent in fresh water, and brine-based drilling fluids. Typically, it is used in combination with starch-based fluid loss additives, such as TETRALose and TETRA HPS, or with low molecular weight polyanionic cellulose polymers, such as TETRAPac LV filtrate control agent.

Physical Properties

Appearance	Fine, white powder
pH	5.5 - 8.5 (2% solution)
Specific Gravity	1.5 - 1.6 @ 68°F
Water Solubility	Soluble

Packaging Information

25 kg (55 lb.) multi-wall paper sacks

Recommended Treatment

The recommended treatment concentration of TETRAPac filtrate control agent is specific to the drilling fluid formulation and fluid loss control requirements, but is typically in the range of 0.5 - 3.0 lb./bbl. TETRAPac filtrate control agent should be added to the circulating system through the mix hopper. Consult a TETRA representative to discuss treatment concentrations of TETRAPac filtrate control agent for a specific application.

Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.