Carboxy Methyl Cellulose (Low Viscosity Grade)

Product Description

Carboxy Methyl Cellulose Low Viscosity Grade (CMC LVG) is a specific type of carboxymethyl cellulose, which is a water-soluble cellulose derivative. CMC LVG is characterized by its low viscosity, making it suitable for applications where a thinner solution or dispersion is preferred.

Applications/Functions

- **Drilling Fluid Additive** : CMC LVG is commonly used as an additive in water-based drilling fluids. It acts as a rheology modifier and fluid loss control agent. CMC LVG helps regulate the viscosity of the drilling fluid, providing stability to the fluid and controlling fluid loss into the formation during drilling operations.
- **Fluid Loss Control**: CMC LVG aids in the suspension of drill cuttings. By modifying the rheological properties of the drilling fluid, CMC LVG ensures that drill cuttings remain suspended and do not settle, contributing to efficient drilling operations.
- **Ease of Use** : CMC LVG is water-soluble and easy to handle. Its water solubility facilitates efficient mixing and dispersion in water-based drilling fluid systems.

Advantages

- **Fluid Loss Control**: CMC LVG is highly effective in controlling fluid loss during drilling operations. This property enhances wellbore stability, reduces the risk of formation damage, and contributes to the overall success of drilling activities.
- **Compatibility with Additives**: CMC LVG is often compatible with various drilling fluid additives. This compatibility allows for versatile formulation, enabling the optimization of drilling fluid properties based on specific well conditions and operational requirements.
- **Environmental Compatibility**: CMC LVG is generally considered environmentally friendly. Its use aligns with environmental regulations and considerations in the oil and natural gas industry.

Typical Properties:

- **Appearance :** White to off-white, free-flowing powder.

- **Odour**: Odourless.
- **Solubility**: Highly water-soluble.
- **Viscosity**: Low viscosity compared to standard grades of carboxymethyl cellulose.
- **Recommended Treatment**: Hydrated or dispersed in water
- **Package**: Bags or drums