

PLATINUM PAC



Certified to
NSF/ANSI 60

PLATINUM PAC polyanionic cellulose is a readily dispersible, water-soluble polymer designed to control fluid loss in water-base muds.*

Typical Physical Properties

Physical appearance.....	White or off-white powder
Ionic character.....	Anionic
Bulk density	0.64–9.0 g/cm ³
pH (1% Solution)	6.5–9.0

Applications

PLATINUM PAC polyanionic cellulose is effective in low concentrations, with the normal fluid-loss treatment ranging from 0.25 to 1 lb/bbl (0.71 to 2.85 kg/m³). This product is applicable in all water-base muds, ranging from low-solids, non-dispersed polymer systems to high-density, dispersed systems. It is used as a filtrate reducer and borehole stabilizer in water-base drilling applications.

Advantages

- Controls fluid loss and produces a thin, slick, tough filter cake
- Inhibits the hydration of drill solids and encapsulates the drill solids for easier removal
- Exhibits superior mixing in low-shear environments
- Is more readily dispersible than conventional dry PAC polymers
- Effective in low concentrations for controlling fluid loss
- Encapsulates shale particles to inhibit swelling and dispersion
- Resists bacterial attack, requiring no biocides or preservatives
- Functions over a wide range of salinity, hardness, and pH levels
- Compatible with all common mud-treating additives

Limitations

- Circulating temperature stability to approximately 300°F (149°C)
- Effective in systems with total hardness <1,000 mg/L (as calcium), but can be precipitated in the combined presence of high hardness and high pH



Customer-focused, solutions-driven

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheets (MSDS).

Packaging and Storage

PLATINUM PAC polyanionic cellulose is packaged in 2-lb (0.91-kg) bottles, 25/case, 25-lb (11.3-kg) net product in 5-gal (18.9-L) buckets, and 50-lb (22.7-kg) bags.

PLATINUM PAC additive should be stored inside under cool, dry conditions.

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