



Technical Data Sheet

SP-101

Product Description

SP-101 sodium polyacrylate copolymer is a medium - molecular - weight, anionic additive used to reduce fluid loss in freshwater and seawater muds.

Applications: **SP-101** copolymer is an effective additive for reducing fluid loss and stabilizing rheology in a wide range of water-base systems, including low-solids, non-dispersed and dispersed weighted systems. It is most effective in freshwater fluids that are low in soluble calcium. **SP-101** additive is used most often in low-solids, non-dispersed polymer systems

Total hardness must be maintained below 320 mg/L with soda ash

Treatments: Typical treatments range from 0.5 - 1 lb/bbl. Calcium levels should be kept below 120. Special applications (deflocculant and high temperature stabilizer in LSND) could require additions above 1 lb/bbl.

Daily maintenance treatment are required. Pilot testing is suggested to determine the actual treatment required to obtain the desired properties.

KEY BENEFITS

- Lower and controlling fluid loss in water-based muds.
- Stabilize fluid rheology in LSND systems
- Minimizes the potential for differential sticking.
- Not subject to bacterial degradation

Key Properties

Color	Off white/ cream
Physical Form	Powder
Sg	1.05
Solubility	Soluble in water
Packaging	50 lb Sacks