

MAXCAP L

Description

MAXCAP L is a liquid emulsion form of a high molecular weight, medium anionic charge polyacrylamide designed to stabilize clays and shale formations. It is supplied as a low viscosity emulsion. Its primary function is to minimize the disintegration and dispersion of clays and shale.

Applications

MAXCAP L is a versatile polymer, which can be used for oil, gas, water and mineral drilling. It can be added to fresh or salty water. MAXCAP L may be preferred at times over similar solid products due to its liquid form which makes it easier to add and mix in the system. Another application for this product is as selective flocculant in clear water drilling and low solids, non-dispersed systems.

It is used for enhancing SCE and especially decanting centrifuges performance during solids stripping operations.

Features and Benefits

- MAXCAP L can be quickly added and mixed into drilling fluids especially on rigs with limited mixing and shearing ability.
- Stabilize reactive shales by decreasing the shale's tendency to absorb water, swell and slough-off.
- Minimal effect on fluid rheology
- Its shale stabilization and cuttings encapsulation action helps reduce the buildup of fine solids including colloidal size solids.

Typical Properties

Appearance	Liquid
Color	Off-white opaque
Specific Gravity	1.05
pH (1%sln @ 25°C)	8
Solubility	Soluble in water

Recommended Treatment

MAXCAP L is usually added at a concentration of 0.5 – 2.0 lb/bbl (1.42 – 5.7 Kg/m³) prior to entering the hydratable shale. Maintain effective product concentration with daily additions as per well conditions (shale reactivity, ROP, well diameter).

The addition of a 0.5% solution into the flowline or just prior to any mechanical equipment will greatly enhance the removal separation of drilled solids.

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

MAXCAP L is available in 5 gal (20 L) pails.

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