

# Reastab

REASTAB is an anionic polymer, a modification of sodium polyacrylate, with a medium molecular weight, used to reduce fluid loss in fresh and brine drilling fluids. The reagent has high thermal stability and is not subject to bacterial decomposition.

## Typical Physical Properties

Physical appearance .....	Cream color powder
Odor .....	odorless
Specific gravity .....	1.07-1.10 SG
pH (1% solution) .....	7-8

## Applications

REASTAB is a filtration reducer specially selected for use in the OPTIMA system. Combined use of REACAP and REASTAB reagents in the OPTIMA mud system allows to obtain optimal properties of the drilling fluid for drilling conditions.

REASTAB agent effectively reduces fluid loss and stabilizes rheological properties, in various types of drilling fluids, including low-clay, non-dispersive, mineralized and weighted systems. The reagent is most effective in freshwater systems with a minimum content of calcium ions, in the so-called low-clay non-dispersive systems. The reagent can also be used as a filtration reducer when drilling at high temperatures.

The optimum concentration of REASTAB reagent ranges from 1 - 3 kg / m<sup>3</sup>, however, it can vary depending on the area of application and reach 4 - 5 kg / m<sup>3</sup>.

REASTAB attaches to clay particles and forms a protective film on the encapsulated cuttings, enhancing the effect of the encapsulating reagents.

## Advantages

- Reduces fluid loss and improves filter cake quality
- Thermally stable in drilling mud at temperatures up to 200 ° C
- Not subject to biodegradation
- Stabilizes the rheological properties of drilling fluids when drilling at high temperatures

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## Limitations

- Anionic reagent, precipitates at a high content of divalent ions (calcium and magnesium). The total hardness of the drilling fluid should be kept below 320 mg / l, with increasing hardness of the solution above 300 mg / l, the effectiveness of the reagent significantly declines.
- The reagent is not used in systems with a high content of calcium ions - lime and gypsum solutions

## 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 Sheet (MSDS).

## Packaging and Storage

REASTAB is supplied in 15 and 20 kg multi-layer paper bags. Store in a dry, well-ventilated place, only in sealed original packaging.

Keep away from sources of heat, sparks and flames, to prevent the formation of dust

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