

RESINEX II

RESINEX^{*} II resin lignite is a filtration agent and rheological stabilizing additive for all water-base drilling fluids with chlorides below 70,000 mg/L and hardness not exceeding 3,000 mg/L.

RESINEX II resin lignite will reduce high-temperature fluid loss and stabilize the muds at downhole conditions. RESINEX II filtration agent will improve borehole stability. RESINEX II additive should be used at pH greater than 10.0 to assure solubility.

Typical Physical Properties

Physical appearance	Black powder
Specific gravity	1.35

Applications

RESINEX II resin lignite should be used to reduce and maintain low fluid loss in all water-base systems at all densities, and will improve the performance of water-base drilling fluids. RESINEX II additive will not increase viscosity, but will stabilize the fluid at increased bottomhole conditions while controlling high-temperature, high-pressure filtration rates. RESINEX II additive is useful to assist in controlling shale stability and hole washout.

RESINEX II filtration agent should be used at concentrations of 2 to 8 lb/bbl (5.7 to 22.8 kg/m³) for fluid loss control. To achieve optimum solubility the pH should be adjusted above 10.0. Higher density fluids will require greater concentrations of Resinex II additive. For increased bottomhole temperatures use larger concentrations depending on drilling conditions.

RESINEX II additive may be pre-solubilized in a caustic solution, and added to the active system as a liquid.

Advantages

- Bottomhole temperature stabilizer
- Controls fluid loss in basically all water-base drilling fluids
- Controls shale stability
- Does not increase rheology
- Has higher temperature performance limits than CMC, PAC, or starches

Limitations

- Maintain pH above 10.0
- Reduced effectiveness in fluids with chlorides exceeding 70,000 mg/L or hardness above 3,000 mg/L

Toxicity and Handling

Bioassay information is available upon request.

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

Packaging and Storage

RESINEX II filtration agent and wellbore stabilizer is packaged in 50-lb (22.7-kg) multi-wall, paper sacks.

Store in a dry location away from sources of heat or ignition, and minimize dust.



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