

Reasolt

REASOLT - Asphaltene Based Clay / Shale Inhibitor (sulfonated asphalt) REASOLT, specially designed to solve problems associated with wellbore instability, increases borehole wall stability, clogs pores and microfractures, prevents weakening of the formations structure, softening and shedding of the rock. REASOLT improves the quality of the filter cake, gives it additional strength and elasticity, reduces the fluid loss of the drilling fluids. Additive effectively reduces degree of hydration of clays.

Typical Physical Properties

Physical appearance	Black to dark-brown powder
Specific gravity	0.9-0.95
Solubility in water @ 22 oC.....	71%

Applications

REASOLT is a sulfonated asphalt that can be used in most water-based solutions and in some OBMs. It is a free-flowing powder that can be added to the drilling fluids through the hopper. It does not contain any surfactants. The standard concentration of REASOLT for clay stabilization is 5 to 30 kg / m3. For WBM fluid loss control in high temperature conditions, the concentration should be 30 kg / m3.

In water-based systems REASOLT allows to achieve:

- Shale stabilization
- Improved wellbore stability
- Reduce torque and drag
- Reduce HTHP filtration

Forms thin and rigid filtration cake

It can be used as wellbore stability additive in OBM. The pilot test is required prior to use product for such application

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Advantages

- Easy to mix and add
- Seals off microfractures and pores
- Prevents clays and shales swelling
- Reduces HTHP filtration
- Reduces torque and drag
- Improves filtration cake
- Not biodegradable

Limitations

- REATROL is consumed on drilled solids and on the well bore. It is advisable to add 50% more one day following the initial treatment to ensure adequate concentration.
- Mix into salts containing fluids with care, pre-soak in fresh water if needed. Can cause shakers screens blinding.

Toxicity and Handling

For specific instructions on handling, refer to the MSDS. To be stored with compatible materials only.

Packaging and Storage

Soltex is packed in 50 lb (22.7) multiwall paper sacks, 50 sacks per pallet.
Keep in dry, well ventilated area in sealed package.

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