

**DESCRIPTION** Fritz Clay Stabilizer is resin with a cationic charge used to treat clays to prevent swelling.

**ADVANTAGES**

- The low molecular weight resin reacts with clays to form microflakes.
- These microflakes do not have adhesive properties like cationic polyacrylamide polymers.

**APPLICATION**

- Fritz Clay Stabilizer is used to treat clays to prevent swelling in completion and drilling applications.
- A concentration of 1 to 3% by weight of solids is generally required.

**PROPERTIES**

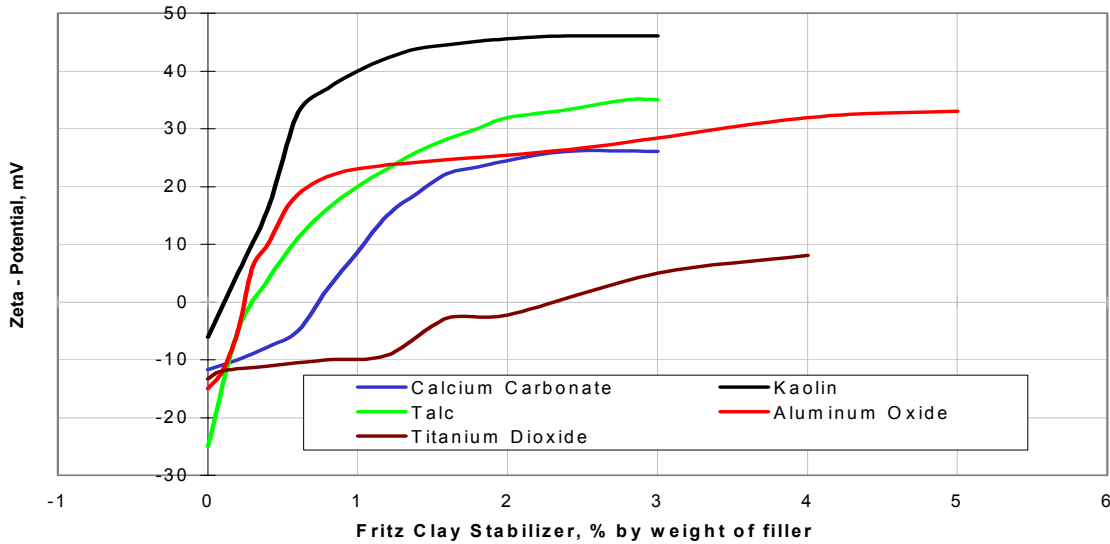
- Slightly Opaque Liquid
- Activity – 48 to 52% by weight
- Specific Gravity – 1.19
- pH – 3.0 to 5.0
- Charge – Cationic
- Solubility – Freely Soluble

**EXAMPLE**

A bentonite clay suspension was prepared using 10 percent bentonite by weight of water. The viscosity was 7200 cPs. A solution of Fritz Clay Stabilizer at 3 percent (1.5% active) by weight of water was prepared and 10 percent bentonite by weight of water was added. The resultant viscosity was 8 cPs indicating that the bentonite was flocculated. The solids settled very rapidly. The clay was not sticky. The clay was filtered to remove the water and was resuspended in fresh water. There was no viscosity increase, 8 cPs, indicating that the clay remained flocculated.

The information contained herein is based on data considered accurate with representative samples. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The above data does not imply specifications for this product. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties, caused by the material. Such vendees or users assume all risks associated with the use of the material. Consult the Material Safety Data Sheet before using this product.

Cationization of Various Filler Materials  
with Fritz Clay Stabilizer



The information contained herein is based on data considered accurate with representative samples. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The above data does not imply specifications for this product. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties, caused by the material. Such vendees or users assume all risks associated with the use of the material. Consult the Material Safety Data Sheet before using this product.