

Product Summary

B.F.S. was developed by Turbo-Chem's R&D laboratory in line with the Ideal Packing Theory. The coarse particles in B.F.S. will cause a bridge while smaller particles fill the gaps in between and the finest particles will complete the seal inside the fracture. BFS will not "grind" down like brittle generic LCM, which leads to constant treatment, an increase in ECD and formation damage.

Physical Properties:

Appearance: Gray Powder

Specific Gravity (g/mL.): (1.43)

Odor: Slight

pH in 1% solution: 6-8

D10 = 1,250 μ; D50 = 170 μ; D90= 70 μ

Recommended Treatment

- System Treatment: 2-6 ppb
- Sweeps: 5-25 ppb
- Pill: 15-70 ppb to maximize effectiveness in zones where there are whole mud losses.

B.F.S. PSD

U.S. Mesh Screen (Micron)	Product Retained, g
6 (3400μ)	0.6
8 (2360μ)	4.4
10 (2000μ)	2.5
14 (1400μ)	6.1
18 (1000μ)	5.1
35 (500μ)	10.2
60 (250μ)	9.1
100 (150μ)	15.2
120 (125μ)	10.4
140 (106μ)	7.9
200 (75μ)	15.3
270 (53μ)	7.3
400 (38μ)	5.7

Wellbore Stability Benefits:

- BFS is so dynamic that the fine particles not only fill the gaps between larger particles but also shut off the communication between fluids of both sides of the seal by making it impermeable.
- Can be pumped through down hole tools up to 80 ppb.
- The presence of BFS combined with pressure reveals the successful sealing process, which can be divided into three phases: Bridging, Filling, and Sealing
- Effective at both low and high wellbore temperatures.
- Easily mixed through the hopper.
- Compatible mixing in all drilling fluids.
- BFS delivers a higher seal integrity compared to competitor's narrow range of inert LCM particle sizes.

Handling and Storage

Proper PPE should be worn while handling this product. Minimize dust exposure. Please review SDS before using.

Packaging

B.F.S. is available in 25 lb. sacks, 50 sacks/pallet.