



MTA-1™



Product Information

Description

MTA-1™ is a unique additive designed to condition the lubricating fluid in micro-tunneling operations. At very small addition rates **MTA-1™** reduces fluid loss characteristics, slightly relaxes gel strengths, and promotes low jacking pressures.

Using a combination of **MICRO-GEL™** and **MTA-1™** as a Lubricating Fluid, formations are protected by laying down a thin tough filter cake thus limiting the water phase of the slurry from entering the formation and weakening it. At the same time, the annular space outside the segments is kept uniform and friction is reduced allowing segments to move forward with lower jacking pressures.

Application

For best results, mix **MICRO-GEL™** through a venturi or other high-shear equipment. The addition rate is 22.5 pounds per barrel or 535 pounds per 1000 gallons (241 kg/3.8 m³) of make-up water. This mix ratio will yield typical fluid characteristics as follows:

- Marsh Funnel Viscosity 80-85 seconds/quart
- Fluid Loss 8.4 cc
- 10 Second Gel 18
- 10 Minute Gel 45

Once the **MICRO-GEL™** is hydrated, add **MTA-1™** at the rate of 2 to 3 ounces per 1,000 gallons (90 ml/3.8 m³). This drops the fluid loss values in the lubricating fluid to a range of 5-7 cc and further aids in reducing jacking pressures.

Packaging

MTA-1™ is conveniently packaged in 1-gallon plastic jugs, four per case.

4085/201302

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The information and data made herein are believed to be accurate. As Wyo-Ben, Inc. has no control over use or application of this product, it is sold without warranty or guarantee of results.