

**AES DRILLING FLUIDS**

## **BENEFITS**

- Provides wellbore stability by reducing shale hydration
- Reduces overall fluid loss in troublesome shales in water- or oil/synthetic-based drilling fluids
- Minimizes differential sticking tendency

## **APPLICATIONS**

- Typically added at 3 to 5 lb/bbl for most applications, although higher concentrations may be necessary
- Performs in combination with other fluid additives

## **PHYSICAL PROPERTIES**

- Appearance: Dark gray powder
- Specific Gravity: 1.04 - 1.06
- Melting Point: 275°F - 400°F

# **MICRO SEEL**

MICRO SEEL is a chemically altered bitumen engineered to provide wellbore stability and minimize fluid loss and differential sticking risk in water- and oil-based fluid systems



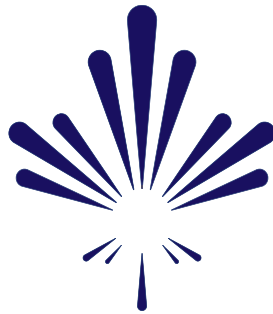
MICRO SEEL chemically altered bitumen

## **Treatment Recommendations**

MICRO SEEL additions range from 3 to 5 lb/bbl for most applications, although higher concentrations may be necessary for sensitive clay formations. Pilot testing will aid to determine the appropriate concentration for a specific scenario.

## **Packaging and Handling**

MICRO SEEL is available in 50 lb sacks. Handle MICRO SEEL as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



# **AES DRILLING FLUIDS**

[www.aesfluids.com](http://www.aesfluids.com)

[info@aesfluids.com](mailto:info@aesfluids.com)

**888-556-4533**

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