

# MICRO SEEL<sup>†</sup>



## BENEFITS

Provides wellbore stability by reducing shale hydration

Reduces overall fluid loss in troublesome shales in water-based or invert emulsion drilling fluids

Minimizes differential sticking tendency



## APPLICATIONS

3 to 5 lb/bbl (typical) 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 is a chemically altered bitumen that provides wellbore stability and minimizes fluid loss.



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**

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