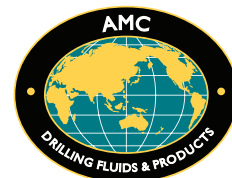


AUS-GEL

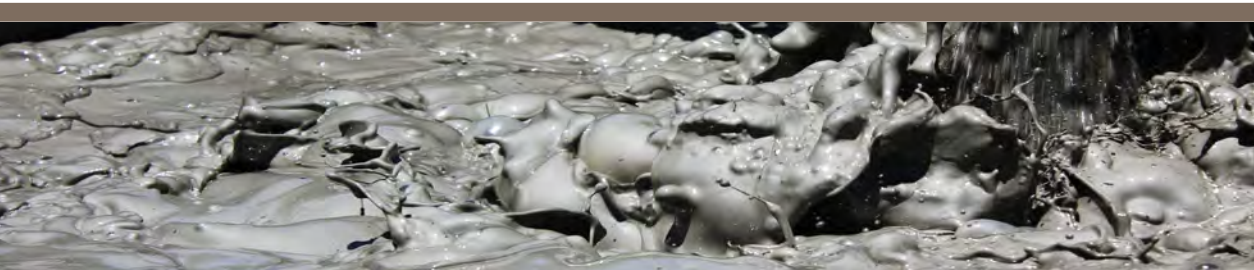
Viscosifier

Product Data Sheet

Innovative Products
Environmental Solutions
Global Support



The **index** Group



Description

AUS-GEL is a modified high quality grade sodium Bentonite formulated to ensure ease of mixing with superior mud making qualities in fresh water.

AUS-GEL provides viscosity and gelling to most water based fluids while also contributing to fluid loss control.

Application

AUS-GEL is recommended as a high yielding viscosifier for building a mud system with excellent hole cleaning properties and low filtrate values in fresh to brackish water. Typical concentrations for AUS-GEL range from 14.3 to 100 kg/m³ (5 to 35 lb/bbl). Like all bentonite products the yield of AUS-GEL decreases as water salinity increases. If chlorides are in excess of 8,000 mg/L the performance of AUS-GEL will be significantly reduced. To avoid a reduction in performance, prehydrate in freshwater before adding into the fluid system.

Advantages

- Helps provide suspension for fluids weighted with barite or hematite
- Hydrates more than other types of clays and is best for generating viscosity and developing gels for suspension
- Helps improve hole-cleaning capacity of drilling fluids
- The small particle size, unique flat shape and high surface area provides superior fluid loss control
- Promotes hole stability in poorly consolidated formations
- Promotes the development of thin, compressible filter cakes in the wellbore

Physical Properties

Appearance:	Light grey/tan powder
Specific gravity:	2.35 – 2.55
Moisture content:	7-10%

Recommended Treatment

Application	kg/m ³	lb/bbl
Normal	15 – 30	0- 21.0
Unconsolidated, caving formations	35 – 45	24.5-31.5
Loss circulation	40 – 60	28.0-35

Packaging

25 kg multi-walled paper bags

Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.



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