

BYK-GO 8701

Fast Acting Thinner for Oil-based Drilling Fluids which is Ideally Suited for Use in Mud Plants.

Product Data

Composition

Polar, acidic ester of long chain alcohols

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Specific Gravity (20 °C): 1.01

Appearance: Light amber, clear viscous liquid

Acid value: 95 mg KOH/g

Flash point: 186 °C

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

This product can become solid below 20 °C. Warm to 30-60 °C and mix well. Product is hygroscopic.

Applications

Oil-Based Drilling Fluids

Special Features and Benefits

- Thins the fluid immediately upon addition
- Economical
- Quickly reduces high rheological values due to excess drill solids or organoclays
- Yield Point and gel strengths can be reduced without base oil dilution
- Minimizes NPT (nonproductive time) spent conditioning the drilling fluid

Recommended Use

Esther-based drilling fluids that will be subjected to temperatures under 107 °C.

Recommended Levels

0.50-3.0 lb/bbl (1.4-8.6 kg/m³) additions should be adequate for most formulations.

Example Performance in a Diesel-Based Mud

Before Hot Rolling	600 rpm	300 rpm	6 rpm	Plastic Viscosity	Yield Point	10 min Gel	ES
Base Mud	72	46	10.9	26	20	11	153
3 lb/bbl BYK-GO 8701	57	33	5.4	24	9	7	184

figure 1

Incorporation and Processing Instructions

BYK-GO 8701 can be incorporated directly into the mud system. Minimal agitation is required. Pilot testing prior to use is highly recommended to avoid over treatment of the mud.



Additive Guide



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