

PRODUCT DATA SHEET

MEG Lubricant and Inhibitor

Product Description

MEG Lubricant and Inhibitor is a cyclic polysaccharide polymer derivative featuring both hydrophilic and lipophilic groups. Unlike conventional polysaccharides, it not only functions as a mud treatment agent but also provides excellent inhibition and lubrication properties. With high thermal stability and environmental compatibility, MEG forms a semi-permeable membrane on the wellbore surface, giving the MEG drilling fluid system oil-based mud-like characteristics. Laboratory studies and field applications have demonstrated that MEG offers outstanding advantages, including non-fluorescence, biodegradability, strong shale inhibition, excellent lubricity and thermal stability, superior reservoir protection, and environmental acceptability. The modified solid MEG replaces traditional liquid MEG, significantly reducing dosage requirements while maintaining equivalent performance. The product is non-toxic, odorless, and safer and more convenient to use.

Characteristics

- Recommended dosage: 5%–7%.
- Add to drilling or completion fluids and stir thoroughly until fully dispersed; no special mixing time is required.
- Non-toxic, odorless, and environmentally friendly.

Technical Specification

Appearance	Colored solid powder
Lubricity Reduction Rate, %	≥60.0
Active Content, %	≥90.0
Apparent Viscosity Inhibition Rate, %	≥60.0

Packing and Storage

- Packed in double-layer bags (plastic inner and woven outer) or triple-composite bags, with a net weight of 25 kg per bag.
- Stored in a well-ventilated, dry, and clean warehouse. The shelf life of the product is two years.
- Storage life : two years.

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