

# ENERGEXON

Polyalkylene glycol Solids without viscosity effect

GLYSLIDE

## At a Glance

**GLYSLIDE** is a medium cloud point polyalkylene glycol synthesized through the open-loop polymerization of starters, ethylene oxide (EO), and propylene oxide (PO).

## Applications

Water-based drilling fluids ranging from fresh water to any salinity levels

## Compatibility

Enhancing drilling fluid properties without increasing viscosity or gel strength

## Mixing

Added directly as a dry powder or pre-mixed in solution

## Handling

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the SDS.

## Packaging

50-lb or 25-kg, multiwall paper sacks

## Normal Concentration

3-10.5 lb/bbl (8.6-30.0 kg/m<sup>3</sup>)

## Challenging Conditions

>10.5 lb/bbl (>30 kg/m<sup>3</sup>)

## ENGINEERING



**GLYSLIDE** is a medium cloud point polyalkylene glycol synthesized through the open-loop polymerization of starters, ethylene oxide (EO), and propylene oxide (PO). In water-based drilling fluids, **GLYSLIDE** enhances lubricity, stabilizes active shales, controls rheology, and maintains thermal stability. Its effectiveness stems from its ability to form protective films, suppress hydration, and enhance rheological properties. Combining **GLYSLIDE** with salts such as KCl, NaCl, or NaHCOO in drilling fluids creates a synergistic effect, leveraging the unique properties of each component to improve overall performance. This combination is particularly effective in shale stabilization and maintaining wellbore integrity. **GLYSLIDE** polyalkylene glycols have a distinctive capacity to enhance the performance of water-based drilling fluids without necessarily increasing viscosity.

## ADVANTAGES



Shale  
Stabilization



Bit-Balling  
Reducing



Lubricity  
Enhancement



Rheological Property  
Modification



Thermal  
Stability Contribution

## TYPICAL PROPERTIES



Appearance	White to light tan easily crumbled powder
Bulk Density (g/cm <sup>3</sup> )	0.50-0.60
Cloud Point	30-50°C
Oxyalkylene Polymer Content	≥70%
Viscosity Ratio	≤ 1
Lubrication Coefficient Reduction	≥60%
LC50 (3% aqueous solution)	≥30,000 mg/L

**ENERGEXON**

CHEMICALS & FLUIDS



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