

## PRODUCT DATA SHEET

## TY-1L Amino Polyol Inhibitor

### Product Description

The drilling fluid inhibitor Amino Polyol TY-1L is an amino-based polymer derivative. It is suitable for use in drilling muds, providing excellent inhibition performance by effectively suppressing the hydration and swelling of clays and shales. In addition to serving as a mud treatment agent, this product features good thermal stability and is environmentally friendly. Laboratory studies and field applications have demonstrated that Amino Polyol TY-1L offers outstanding characteristics, including non-fluorescence, easy biodegradability, strong shale inhibition, excellent thermal stability, superior reservoir protection, and environmental acceptability.

### Characteristics

- Recommended dosage: 0.5%–2.0%.
- Add directly to drilling or completion fluids and stir thoroughly; no special mixing time is required.
- Non-toxic, odorless, and environmentally friendly.

### Technical Specification

Appearance	Uniform transparent liquid
Density(20°C), g/cm <sup>3</sup>	1.1 ± 0.1
PH, (1% aqueous solution)	≥ 5
Relative inhibition rate (1.5% dosage), %	≥ 85
Apparent viscosity inhibition rate (1.5% dosage), %	≥ 80

### Packing and Storage

- Packed in plastic drums, 25kg net each, or customized according to customer requirements.
- The product should be stored in a well-ventilated, dry, and clean warehouse.
- Shelf life: one year.

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