



## 山 東 魯 岳 化 工 有 限 公 司

Shandong Luyue Chemical Co., Ltd

An zhan Industry Park, Feicheng City, Shandong(271603), China

Tel/Fax:+86-531-82973066 Website: www.luyuechemical.com

E-mail: sales@luyuechemical.com Export Manager: Richard Lee

### Cationic improver of drilling agent

#### Product introduction:

This product is the polymer of cationic quaternary ammonium surfactant, and the appearance is colorless to pale yellow viscose liquid. It's Water-soluble, non-toxic, good hydrolytic stability, keep stable in the wide pH. Freezing point:-2.8℃, specific weight:1.04g/cm<sup>3</sup>, resolve temperature:280-300℃. Clay can be dispersed in the oil, when the clay, sodium or salt-resistant clay soil are covered by cationic surfactants. Cationic improver has excellent rheology and capacity of cuttings transportation, which can keep well-bore stable, and other properties, such as Anti-jamming and anti-balling.

#### Specification:

Code	LYPO-331
Item	
Appearance	colorless to pale yellow viscose liquid
Solid content,%	30±1
pH	4.0-7.0
Viscosity (25℃) , cps	800-1000

#### Use:

Be used to improve slurry stability, inhibit the mud shale hydration, expansion and decentralization in oil-drilling industry, in order to keep well-bore stable. As a cationic drilling agent improver, it has functions of heat-resistance, salt-tolerance and anti-collapsing, and low adding dosage can increase the sphere of action. This kind of improver will be your ideal choice in drilling system.

Make experiments before use to determine dosage and application.

Reference dosage: add 0.05-0.5% of the cationic improver to 5-10% slurry can be improved lubricity, abrasion, expansion rate can be reduced to 15-65%, plastic intensity is increased to 2-4 times as before. Dosage is much smaller than other lubricants, but we can achieve excellent properties.

#### Package& Storage:

125kg PE Drum. 200kg PE Drum. 1000kg IBC Tank

Pack and preserve the product in a sealed, cool and dry condition, and avoid contacting strong oxidants.

**The term of validity:** Two years.

**Transportation:** Non-dangerous goods.

#### Attention:

- (1)Your wise advice about our products will be necessary to improve our qualities and services.
- (2)There is no fixed pattern for application technology, therefore, the customer should base on your own technology and the equipment conditions to execute the program and utilize the product.

**Our Promise:** Sincere Business, First-Grade Quality, First-Class Service and Double Win.