

## Drilling Detergent RH-4

In the process of crude oil exploitation, due to the high content of resin and asphaltene in heavy crude oil, the high viscosity brings great trouble to the exploitation, transportation and storage of crude oil and increases the production cost.

### 1. Technical Features

- (1) Fatty acid derivatives as the main raw materials, through the complex emulsification synthesis products.
- (2) Suitable for drilling mud shale, easy mud coating stratum interval.
- (3) Can effectively clean the drilling tool, prevent mud bag, and Good resistance to hard water and temperature;
- (4) Can improve the lubricity of drilling fluid.

### 2. Technical Index

Items	Specifications
Appearance	Homogeneous Emulsion
Stability	Let stand for 48 hours without stratification
Density, g/cm <sup>3</sup>	0.90-1.00
Surface Tension, mN/m	≤30.00
Saponification Value, mg(KOH)/g	≥50.00
Lubrication Coefficient Reduction rate, %	≥65.00
Foaming Rate, %	≤10.0

### 3. Scope of Application

The amount of RH is usually 0.5-1%, and the liquid is directly added to the mud and stirred evenly. Add or subtract as appropriate for field use.

### 4. Packaging, storage and transportation

Comes in high strength composite drums, 25 L or 200 L.

Transportation and storage: Non-flammable and explosive products, highway, railway, shipping. Store in a cool, dry place. Protect against the sun and rain.