

**“FILLING ALL OF YOUR DRILLING AND PRODUCTION NEEDS”  
PRODUCTION ENHANCEMENT SYSTEMS, LLC**



**ROP ENHANCER**

DRILLING MUD LUBRICANT AND TREATING COMPOUND

**PHYSICAL PROPERTIES**

**FORM**  
Clear-Light Amber Liquid  
(100% Active)

**PACKAGING**  
5 Gallon Plastic Pails

**COMPOSITION**

ROP Enhancer is a proprietary blend of non-polluting surfactants. It is non-flammable and biodegradable.

**BASE FLUIDS**

ROP Enhancer may be used in fresh water, seawater, and sodium and potassium chloride base muds.

**APPLICATIONS**

**Control Bit Balling:** Soft shales have fewer tendencies to adhere to bits and drill collars when ROP Enhancer is present in the drilling mud.

**Torque and Drag Reduction:** ROP Enhancer is recommended to improve the lubricity of drilling muds. It reduces friction between the drill string and walls of the hole. Torque and drag common in crooked and directional holes can be minimized.

**BENEFITS**

ROP Enhancer eliminates hydrocarbon oil and associated pollution problems. It has little effect on rheological properties of drilling muds, is non-fluorescent and aids in minimizing foaming problems in freshwater muds.

**MIXING INSTRUCTIONS**

ROP Enhancer is added directly to the suction pit. It can be added as follows, depending on the situation:  
Treatment of total mud system  
Batch or slug treatments  
Small continuous treatments

**RECOMMENDED FIELD TREATMENTS**

For excessive drag while drilling slug with 1-5 pails at pump suction followed by periodic hourly slugs as required.  
For drag on trips slug with 1-2 pails prior to trip.

To control bit balling while drilling use: (a) 2 pails per 100 barrels of mud system. (b) A small stream of ROP Enhancer added continuously while drilling.

Questions/Information  
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