

# SILDRIL EPL

**SILDRIL\* EPL** additive is a lubricant designed for use in the SILDRIL system.

SILDRIL EPL lubricant has been proven to reduce torque, drag and the potential for differential sticking by reducing the coefficient of friction. Typical friction coefficient reductions of 25-35% have been observed.

### Typical Physical Properties

Physical appearance .....	Dark-brown liquid
Specific gravity .....	0.91 – 0.93
Boiling point .....	>198° C (388° F)
Freezing/melting/pour point .....	<-2° C (28° F)

### Applications

SILDRIL EPL lubricant is designed to reduce torque, drag and the potential for differential sticking in the SILDRIL system by reducing the coefficient of friction, and thinning the filter cake. Normal concentrations of SILDRIL EPL lubricant range from 2 to 4% v/v, depending on the mud density and desired reduction in coefficient of friction. After the initial treatment, periodic treatments should be made to maintain the desired concentration.

Higher concentrations can be needed for pills and special applications. Treatment levels and product usage depends on the rate of penetration, solids-control equipment and dilution rates. SILDRIL EPL lubricant should be added slowly, directly to the active mud system. Do not add through the hopper.

Pilot testing is recommended especially applications in excess of 121° C (250° F)

### Advantages

- Effective downhole lubricant for reducing torque and drag when using the SILDRIL system
- Effective in high salinity
- Resists contamination and is compatible with other water-base additives
- Reduces the potential for differential sticking

### Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

SILDRIL EPL lubricant is packaged in 208 l (55 gal) drums, other pack units available on request.

Keep in original container. Store in tightly closed original container in a cool, dry, well-ventilated place.

---

This information is supplied solely for informational purposes and M-I SWACO makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale. Nothing in this document is legal advice or is a substitute for competent legal advice.



P.O. Box 42842  
Houston, Texas 77242-2842  
Tel: 281-561-1300  
Fax: 281-561-1441  
[www.miswaco.com](http://www.miswaco.com)  
E-mail: [questions@miswaco.com](mailto:questions@miswaco.com)