



## **BOSS-155**

### **DRILLING LUBRICANT AND FRICTION REDUCER**

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#### **PRODUCT DATA**

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##### **Description**

BOSS-155 is a concentrated oil soluble, water-dispersible blend of amide and imidazoline fatty acids with oil wetting surfactants. BOSS-155 is effective at reducing friction during horizontal and directional drilling. BOSS-155 disperses easily into any system. BOSS-155 reduces sliding time in half in most case histories. BOSS-155 reduces torque and drag, casing wear, wall sticking tendencies, and bit and bottom hole assembly balling. BOSS-155 will not damage any elastomers of down-hole motors.

##### **Typical physical properties**

Appearance:	Aromatic Odor - Dark brown liquid
Specific Gravity:	0.9963
Active Content:	70-75%
PH:	7-8
Density:	7.9lbs a gal
Dispersibility:	100% in oil, water and water base mud

##### **Application**

BOSS-155 should be used in sweep form or to the entire system. Application in sweep form is add 2.0 - 5.0% by volume to a 80-100 barrel slug tank (2-55 gal drums will give you 3.5 to 4% by volume in a 80 or 100 bbl slug tank). For sliding purposes depending on how big of slide needed. Pump 20-25 bbl sweeps every stand while drilling the curve. For application in the water or mud system at the rate 1-5% of the total system.

##### **Handling and Storage**

Observe normal precautions for industrial chemicals. Keep away from heat, sparks, and open flames. For more information, see material safety data sheet.

##### **Packaging**

BOSS-155 is available in 55-gallon drums, 5 gal. buckets or 5 drum totes.

**NOTE: This product is allowed to be shipped non-regulated only when shipped in the U.S. by truck or rail in non-bulk packaging. Please read sec. 49 CFR 173.150(f)(1)&(2).**