



**ELIXIR
DRILL LUBE**
WATER BASED LUBRICANT

PRODUCT DATASHEET

REVISION

Rev 03 / 2026

A water-based lubricant for drilling muds and brines, reducing torque and drag at a **2% v/v treat rate** while meeting the discharge requirements of the major offshore sectors.

In Falex Pin and Vee testing at 2% v/v, ELIXIR DRILL LUBE delivers a **73 to 85% reduction in torque** across NaCl brine and water-based mud, and raises the load the fluid sustains before failure well beyond that of the untreated fluid.

Formulated for environmental acceptability across **OSPAR, the UK, Norway, Denmark and the US GOM**, and classified as Non-Hazardous to Health under UK and EU legislation. Environmental classifications are pending confirmation; contact us for the latest status in your area.

Full Falex load and torque data is available in the Summary Manual.

TORQUE REDUCTION

73–85%

Falex Pin and Vee, 2% v/v, across NaCl brine and water-based mud.

TREAT RATE

2% v/v

Typical dosage for the torque reductions shown.

ENVIRONMENTAL RATING

OSPAR / UK / Norway

Classifications pending confirmation; contact us for current status.

Physical properties

TYPICAL VALUES

GENERAL

Appearance	Amber
Specific gravity	1.1
Viscosity @ 20 °C	90 cSt
pH (neat)	10.2
Water solubility	Soluble
Oil solubility	Insoluble

THERMAL RANGE

Pour point	< -10 °C
Min operating temp	< -5 °C
Upper temperature	> 100 °C
Flash point	> 100 °C

PERFORMANCE (Falex, 2% v/v)

NaCl brine (1.2 SG)	73 - 85%
Water-based mud (1.25 SG)	73 - 85%
Function	Torque / drag

APPLICATION

Water-based drilling muds	Suitable
Brines	Suitable
Typical treat rate	2% v/v

PACKAGING

Drum / IBC	200 L / 1000 L
Bulk	Available

Need a sample, or our free mud and brine lubricant testing service? [Speak to our team.](#)

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