



**CHEMCO** inc.

SOLUTIONS AND ENVIRONMENTAL PRODUCTS  
WATER - SOIL - AIR

## TECHNICAL DATA SHEET

# Chemdrill LUBE

- PERFORMANCE PRODUCT -

### Product description

Chemdrill LUBE is a high-powered environmental lubricant with a vegetable oil base. It is designed to reduce torque and drag and to improve the overall performance of drilling fluid systems such as muds and bentonites. The Chemdrill LUBE may be used as is or premixed with Chemdrill MUD or Chemdrill MUD 500 to form a complete drilling fluid system.

- **APPLIED AS IS :**

The Chemdrill LUBE will disperse rapidly in clean water, hard water or salt water to form a protective film on the drilling equipment. It will reduce the torque, background vibrations of the rod and will create a shield from corrosion. The Chemdrill LUBE minimizes the swelling of clays of the saprolite, talcs and kimberlite types in addition to reducing their grip on the drill rod. At higher concentration, the Chemdrill LUBE will solve bit balling and stuck pipe issues.

#### DOSAGES – APPLIED AS IS

SITUATION	DOSAGE per m <sup>3</sup> of water
Torque, drag, vibrations	4 to 8L
Bit balling	8 to 15L
Differential sticking	15 to 30L
Stuck pipe	60 to 80L

- **APPLIED AS AN ADDITIVE to Chemdrill LUBE or Chemdrill MUD 500:**

Chemdrill LUBE increases the speed at which the powdered mud polymers such as Chemdrill MUD, Chemdrill MUD PLUS and bentonites dissolve and disperse into water. The combination of the two types of fluids creates a high-performance system in terms viscosity, reducing the torque and friction, rate of penetration and stabilization of the walls of the hole.

To introduce into the drilling system, the Chemdrill LUBE must be pre-mixed with the dry polymer (recommended ratios as below) before being added to the drilling water.

## DOSAGES - APPLIED AS AN ADDITIVE TO POLYMERS AND BENTONITES

SITUATION	Ratio Polymer : Chemdrill LUBE
Torque, Drag	1 pour 3
Core recovery	
Rate of penetration	
Casing stabilization	

### ADVANTAGES :

- Increases the rate of penetration of the drilling rod.
- Improves core recovery.
- Clear: doesn't color core.
- Protects drilling equipment and improves longevity = SAVINGS!
- Chilling properties
- Disperses rapidly in clean water or salt (KCl or NaCl)
- Biodegradable.
- Non-toxic.
- Resistant to the presence of calcium, magnesium and iron in water: contains hard water stabilizers.
- Pleasant smell

Physical properties	
Appearance	Liquid, color orange. Pleasant smell.
Density	0.91 kg/L
Pouring point	-23°C
Freezing point	-29°C
Shelf life	2 years (stored in stable and temperate conditions)

### AVAILABLE FORMATS :

- 20L (15kg) pail
- 25 kg bag

**NOTE : The information contained in this Data Sheet is accurate to the best of our knowledge, at the time of writing. However we don't guarantee the content. The user is responsible for determining whether the product is suitable for its conditions of use.**

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