

# EvoLUBE<sup>®</sup> DPE

FLUID CONDITIONER



**NEWPARK**  
DRILLING FLUIDS

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## PRODUCT DESCRIPTION

EvoLube<sup>®</sup> Drilling Performance Enhancer (DPE) is an extremely effective lubricant blend. EvoLube DPE is a central component of Newpark Drilling Fluids' unique Evolution<sup>®</sup> high-performance water-based drilling fluid system.

## BENEFITS

EvoLube DPE reduces friction in the Evolution system to oil-based mud (OBM)-like lubricity. Accordingly, EvoLube DPE is especially effective in horizontal applications where it minimizes torque and drag, thereby enhancing transmission energy to the bit and increasing rate of penetration (ROP). When used in combination with EvoVis<sup>®</sup> viscosifier, EvoLube DPE is especially beneficial in stabilizing non-reactive shales.

## APPLICATION

EvoLube DPE is an effective performance enhancer for all water-based systems and is ideal for high-temperature applications due to its greater than 400°F (204°C) thermal stability. EvoLube DPE can be used in any type of water-based drilling fluid. Its wellbore lubricating qualities are enhanced in fluids where the overall solids content – and particularly the management of drilled solids – are maintained at optimum levels. EvoLube DPE is particularly effective when used in systems formulated with low clay content or in clay-free formulations, such as the Evolution water-based drilling fluid system. EvoLube DPE is PDC bit compatible.

## TREATMENT RECOMMENDATION

EvoLube DPE is added directly to the fluid system in concentrations of 0.5-6.0% by volume to achieve a friction factor of 0.09 or below as measured on a lubricity meter. Additions of EvoVis can further enhance results.

## TYPICAL PHYSICAL PROPERTIES

Appearance.....	Dark brown liquid
Flash Point.....	>225°F (107°C)
pH (2% solution at 23°C).....	5.5
Specific Gravity.....	0.87-0.88

## HANDLING AND STORAGE

Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Read the SDS thoroughly before using this product

## PACKAGING

EvoLube DPE is available in 1-gallon (3.785-liter) pails, 5-gallon (19-liter) pails, 55 gallon (208-liter) drums and 275-gallon (1,041-liter) totes.

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