

NEWPHPA™ DLMW

SHALE INHIBITOR/ENCAPSULATOR



NEWPARK
DRILLING FLUIDS

www.newparkdf.com

PRODUCT DESCRIPTION

NewPHPA™ DLMW shale stabilizer and encapsulator is a versatile, low molecular weight, anionic polyacrylamide designed primarily to provide shale stability and encapsulation in water-based drilling fluids. Because of its low molecular weight, it has considerably less effect on rheology than NewPHPA™ and NewPHPA™ D, allowing for treatment with higher concentrations. NewPHPA DLMW powder disperses rapidly without balling or fish eyes.

BENEFITS

Inhibitor: NewPHPA DLMW additive acts as an efficient shale encapsulator, particularly when used in combination with the potassium ion. It coats drill cuttings and allows for their removal by the solids control equipment before becoming dispersed in the active system.

Flocculant: NewPHPA DLMW additive can be used as a flocculant in non-dispersed systems to enhance the removal of drill solids.

Lubricant: NewPHPA DLMW additive has a low coefficient of friction (CoF), thereby reducing torque and drag.

APPLICATION

NewPHPA DLMW shale encapsulator can be used in freshwater, seawater and sodium or potassium chloride brines. Although it acts primarily as a shale inhibitor, it is also an effective flocculant and lubricant.

TREATMENT RECOMMENDATION

For shale inhibition, concentrations of 1-3 lb/bbl are recommended. The dry powder should be added directly through the hopper.

TYPICAL PHYSICAL PROPERTIES

Appearance..... White, granular powder
Bulk Density..... 45 lb/ft³ (721 kg/m³)
pH (0.5% solution)..... 6.0-8.0

HANDLING AND STORAGE

Keep this material dry as NewPHPA DLMW powder is extremely slippery when wet. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

NewPHPA DLMW shale inhibitor and encapsulator is available in 50-pound (22.7-kilogram) multi-walled bags.