

New100N[®]

WATER ACTIVITY CONTROL AGENT



NEWPARK
DRILLING FLUIDS

www.newparkdf.com

PRODUCT DESCRIPTION

New100N[®] water activity control agent is a proprietary blend of polyglycerols. It has a low alkalinity and is 100% soluble in any type of water, regardless of its salinity. It contains no aromatics or oils and will not produce a sheen.

BENEFITS

The environmentally friendly New100N additive minimizes wellbore shale hydration by optimizing water phase activity. It forms a semi-permeable membrane across shale surfaces to strengthen the wellbore and inhibit drilling fluid ionic exchange with formation clays. The shale stabilizer reduces coefficient of friction values, helping lower drilling costs by increasing ROP and reducing torque and drag in high-angle wellbores.

APPLICATION

The New100N additive can be used to minimize shale hydration problems by decreasing the activity of the water phase and by attaching to shale surfaces. It can also increase the effectiveness of drilling performance enhancers in the system.

TREATMENT RECOMMENDATION

Product concentrations of 3-5% by volume are recommended for optimum results. Laboratory and field experience indicate that, for the purposes of enhanced lubricity, 3-4% by volume provides cost effective results; for inhibition, 4-5% by volume is recommended.

TYPICAL PHYSICAL PROPERTIES

Appearance.....Dark, viscous liquid
Flash Point.....>350°F (177°C)
pH (10% solution).....<8.5
Specific Gravity.....1.16-1.25 (9.7-10.4 lb/gal)

HANDLING AND STORAGE

Avoid contact with skin and eyes. Store in a well-ventilated area away from strong oxidizing agents. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

PACKAGING

New100N water activity control agent is available in 5-gallon (19-liter) pails, 55-gallon (208-liter) drums and bulk quantities.

This document is supplied solely for informational purposes and Newpark Drilling Fluids makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data.

All product warranties and guarantees shall be governed by the General Terms and Conditions.