

# REACTION<sup>TM</sup>

SCALE INHIBITOR



## PRODUCT DESCRIPTION

Reaction<sup>TM</sup> scale inhibitor prevents calcium scales that occur when drilling with divalent brine fluids, such as Newpark's proprietary Fusion<sup>TM</sup> drilling fluid system. The Fusion system is a uniquely formulated brine system that uses advanced fluid engineering to increase bit life, improve lubricity and manage corrosion.

## BENEFITS

- Prevents scale from forming on metal surfaces
- Inhibits under deposit corrosion
- Tolerates high calcium concentrations

## APPLICATION

Reaction scale inhibitor combats pitting corrosion by preventing scale formation on metal surfaces. A concentrated oxygen corrosion cell forms under scale on metal surfaces in oxygen-rich drilling fluids. These cells aggressively attack the metal surface resulting in pitting and increasing susceptibility to further corrosion. Reaction scale inhibitor works synergistically.

## TREATMENT RECOMMENDATIONS

Reaction scale inhibitor is added to the system at a concentration of 0.2-0.5 L/m<sup>3</sup>. A maximum pH of 10 is recommended for optimal effectiveness.

## TYPICAL PHYSICAL PROPERTIES

Appearance.....Colorless to pale yellow liquid  
Flash Point.....100°C  
pH.....5.0-7.0  
Specific Gravity.....1.1-1.2

## HANDLING AND STORAGE

Causes eye and skin burns. Avoid contact with eyes, skin and lungs. Use chemical goggles and gloves. Store in a cool, dry, well-ventilated area. Use appropriate hygiene, clothing and personal protective equipment suitable for work being done. Review the SDS thoroughly before using this product.

## PACKAGING

Reaction scale inhibitor is available in 20-liter pails and 208-liter drums.