

Technical Data Sheet

BorDrill™ FLW Fluid Loss Additive

Description



Hexion's BorDrill™ FLW fluid loss additive is designed specifically for high pressure/high temperature (HP/HT) fluid loss control, clay particle inhibition, and borehole stabilization. It is formulated for superior performance in highly contaminated mud systems at elevated temperatures up to 204°C [400°F].

It is a water-soluble, extremely high molecular weight, powder resin.

Technical Advantages and Benefits

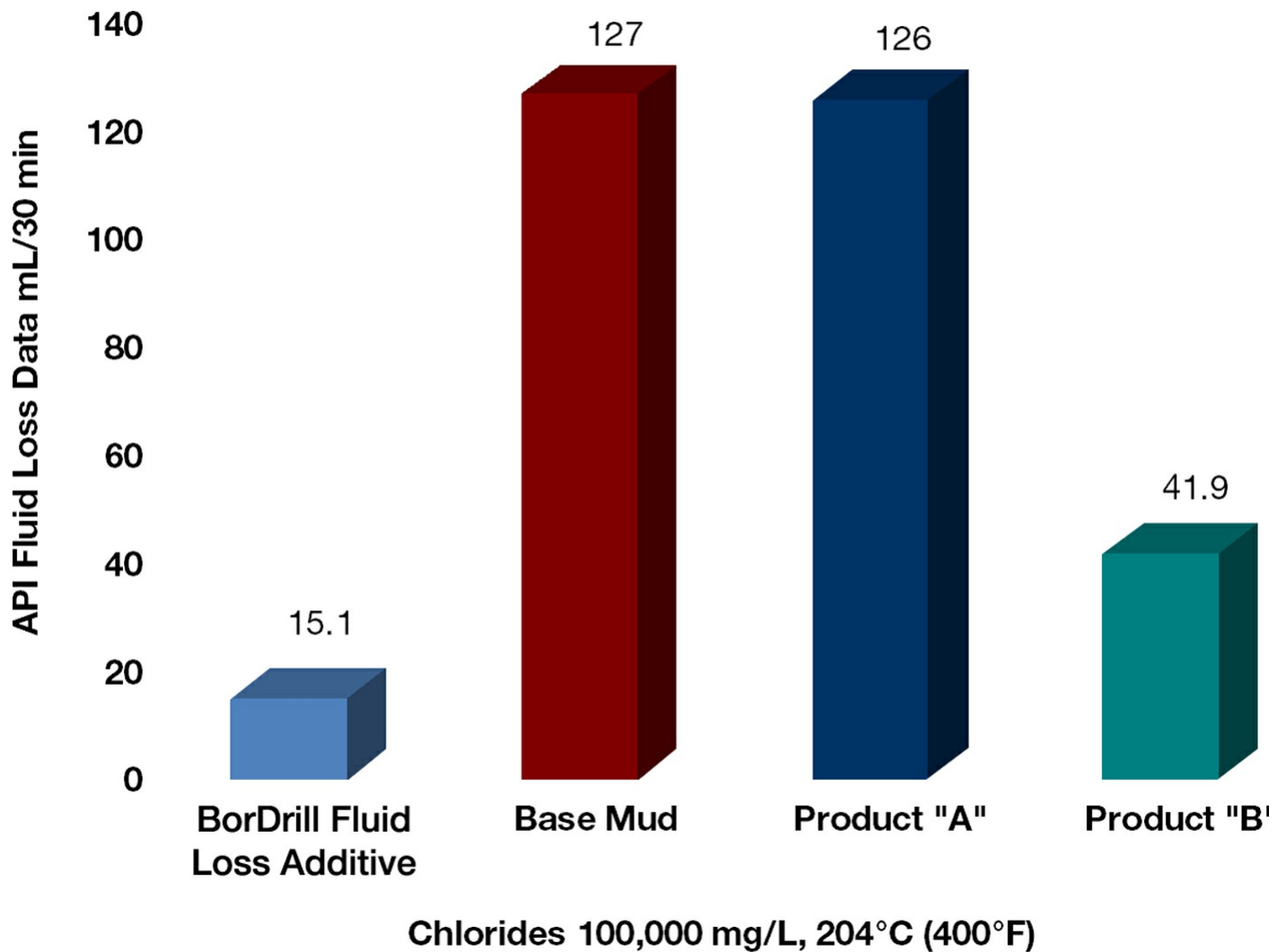
- Effective in a wide range of fresh water, seawater, saltwater, and contaminated systems
- Temperature stability up to 204°C [400°F]
- Does not increase the rheology of drilling fluid system
- Cost effective in a wide range of applications

Typical Properties

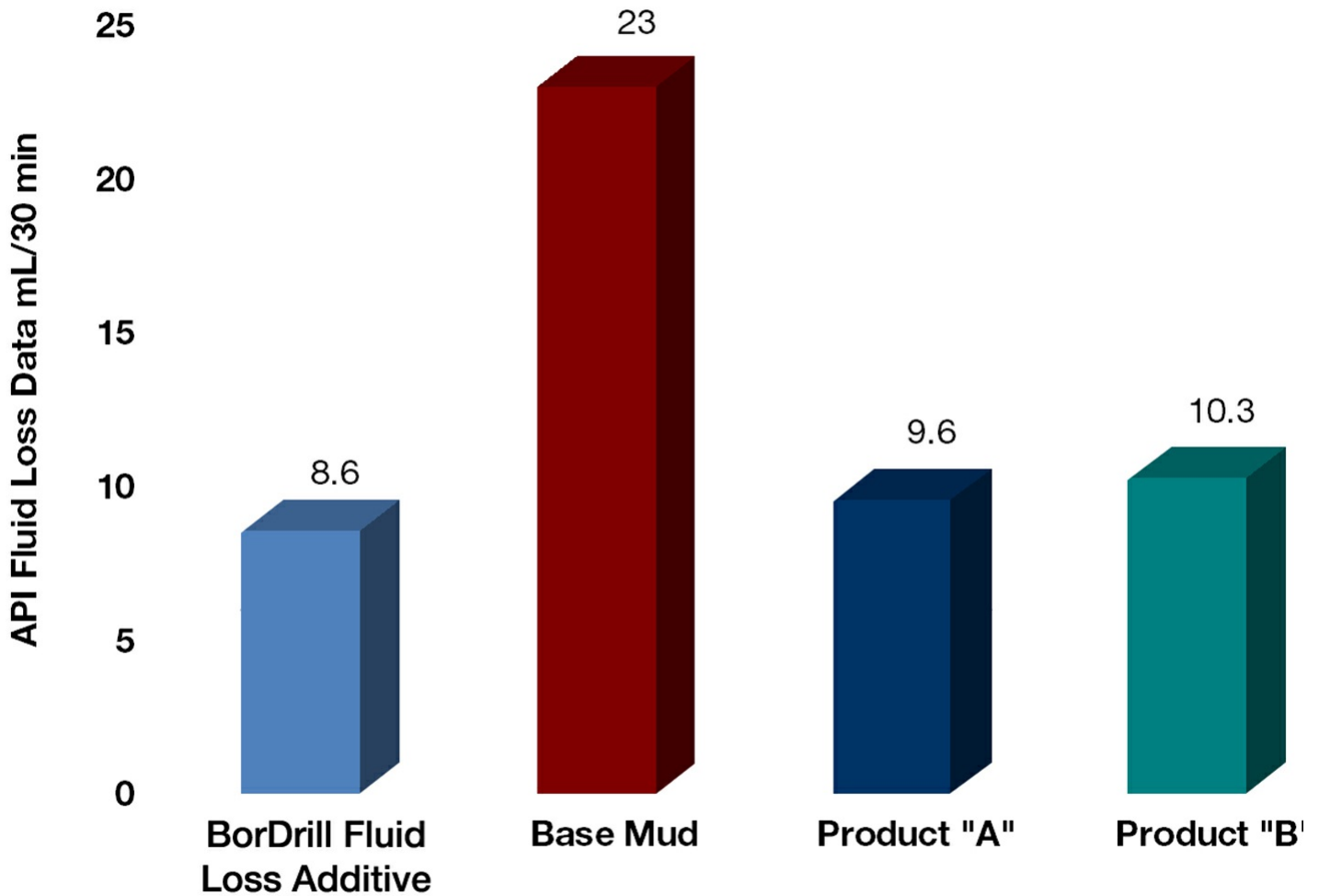
Property	Value	Unit
Appearance	Light purple free-flowing powder	
Flash Point	> 93°C [200°F]	
Particle Size 200 mesh	95	%
pH 10% Solution	9.7	
Recommended Dosage	3 - 7	lb/bbl
Solubility Water	100% Soluble	

API Fluid Loss Control

Affect of Chlorides on Fluid Loss



Affect of Calcium on Fluid Loss



Chlorides 1,000 mg/L, Calcium 2,000 mg/L, 204°C (400°F)

Contamination Tolerance

Our BorDrill FLW fluid loss additive performs exceptionally well and tolerates various water-soluble salts used in oilfield applications. The monovalent salts like sodium and potassium have been found to be compatible at concentrations of 100,000 mg/L (NaCl). Divalent salts such as calcium and magnesium are tolerated (Ca++ 1,000 mg/L) as well. This tolerance and resistance provides the foundation for excellent API and HP/HT fluid loss control.

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BorDrill™ FLW Fluid Loss Additive
<https://www.hexion.com/en-US/product/bordrill-flw>

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