Schlumberger

SI-48990

MicroCAPS

Encapsulated scale inhibitor

APPLICATION

SI-48990* encapsulated scale inhibitor should be applied by pumping to the annulus or tubing at 0.25 - 0.50 barrels per minute and allowing to settle under gravity to the rathole.

It is recommended to utilize a positive displacement pump to preserve product performance and minimize excessive shear during product application.

Prewetting of the annulus / tubular surfaces with filtered produced water will minimize product hang-up on dry surfaces.

The required settling period is determined by well depth and well fluid characteristics. Similarly, the required treatment volumes / inhibitor release rates are dependent on several factors including temperature, salinity, pH, and production flow rates.

A Schlumberger Technical Representative will evaluate all factors and recommend an appropriate treatment strategy for optimum performance.

SI-48990 encapsulated scale inhibitor is a brine dispersion of phosphonate type inhibitor absorbed to a weighted polymer matrix. SI-48990 is designed for direct application to the rathole of a well, from where it will slowly release scale inhibitor to the produced fluids and provide long-term protection to the well infrastructure including tubulars, downhole pumps and downstream production vessels.

SI-48990 encapsulated scale inhibitor offers a cost-effective alternative to squeeze treatments where conventional continuous injection methods are not feasible.

Typical Physical Properties		
Appearance	Yellow liquid / slurry	
Density (at 68°F / 20°C)	9.013 - 9.514 lb/galUS	1.080 - 1.140 kg/ltr
Pour Point	Not determined	
Flash Point	> 199°F	> 93°C
pH (neat)	3.4 - 4.8	
Solubility	Sparingly water soluble	

Handling, safety, and environmental properties

A separate Safety Data Sheet (SDS) is available for this product.

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