
PRODUCT DESCRIPTION

SI-103 is a patented formulation designed to prevent the deposition of salt in drilling muds and prevent “Wash Out” in salt formations during drilling operations. SI-103 is excellent in preventing salt deposition in producing oil and gas wells. SI-103 will help increase the solubility of NaCl (sodium chloride) in a way that goes beyond the super saturation point.

RECOMMENDED APPLICATION

SI-103 is typically continuously injected at the wellhead or down the annulus, downhole inhibition or continuously injected into injection water. Treatment concentration is normally 50-200 ppm, depending upon conditions such as brine saturation, pH and equilibrium time, water composition, super saturation, temperature. High degrees of salt super saturation and rapid or wide temperature pressure changes are variables that can require higher concentrations of product.

COMPATIBILITY

There are no known incompatibilities when used with common additives and systems at the recommended concentrations. A compatibility test is recommended if unknown. Do not mix with other additives prior to use.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Phosphonate
Color:	Colorless to Light yellow
Solubility:	Water
Odor:	Odorless
Wt. per Gal.:	9.43 lbs.
Charge:	NA
Flash Point:	>200 ⁰ F (93.3°C)

HANDLING/STORAGE

SI-103 is non-combustible. In case of fire, use extinguishing media appropriate for surrounding materials. Do not breathe vapors, especially in confined areas. Use with adequate ventilation. Recommend use of splash goggles and rubber gloves. Refer to the Material Safety Data Sheet for more detailed information.

PACKAGING

SI-103 is shipped in 55-gallon steel drums.