

PRODUCT DESCRIPTION

SSD-5C is a highly effective shale and clay stabilizer designed for use in water or brine based drilling fluids. Functionally, SSD-5C is a cationic copolymer blend that provides excellent long-term stabilization. SSD-5C works by strongly attaching itself to the shale or clay surface. This attachment cannot be removed and therefore stabilizes the shales and clays during drilling. SSD-5C is also designed to prevent degradation when being pumped at high shear rates through the drill bit. Many competitive products degrade under these conditions.

RECOMMENDED APPLICATION

SSD-5C is typically applied at a concentration of 0.4 to 1 ppb of fluid. If used with 2% KCl (Potassium Chloride) as little as 0.1 ppb is effective.

COMPATIBILITY

SSD-5C is strongly cationic. It is compatible with other cationic and nonionic additives. It is not compatible with anionic materials. If it is necessary to use with an anionic additive a good mutual solvent can be used to provide compatibility, however, testing is strongly recommended to confirm this strategy.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Polyquat. Amine
Color:	Clear, colorless
Solubility:	Water and brine
Odor:	Ammonia
Wt. per Gal.:	8.78 lbs.
Charge:	Cationic
Flash Point:	109 ⁰ F (42.8°C)

HANDLING/STORAGE

SSD-5C is a flammable liquid. Store away from heat, sparks and open flame. Keep container tightly sealed when not in use. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wear rubber gloves, apron, and chemical splash goggles. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

PACKAGING

SSD-5C is available in 55 gallon drums, 330 gallon tote tanks, or bulk transport loads.