

PRODUCT DESCRIPTION

SSD-2C is an additive that provides long lasting protection against shale destabilizing damage caused by clay swelling and migration. SSD-2C works by strongly attaching itself to the shale surface. This attachment protects shale from contact with water, preventing swelling, migration and drilling fluid permeability damage. The low molecular weight of SSD-2C prevents plugging of tight formations by the clay stabilizer itself, which occurs with many competitive products.

RECOMMENDED APPLICATION

The amount of SSD-2C required for a given treatment is dependent on the percent of clay present in the formation, formation porosity, and desired penetration from the well bore. The following recommendations may serve as useful guidelines: Most drilling fluids: 1 to 5 ppb.

COMPATIBILITY

SSD-2C 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, bines, and acids
Odor:	Ammonia
Wt. per Gal.:	8.60 lbs.
Charge:	Cationic
Flash Point:	N/A

HANDLING/STORAGE

Keep drum tightly sealed to prevent evaporation and contamination. Use only with adequate ventilation. May cause eye, skin and respiratory tract irritation by contact. Do not breathe vapors, especially in a confined area. Recommend use of chemical splash goggles and rubber gloves during handling. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

PACKAGING

SSD-2C is available in 55 gallon drums, 330 gallon tote tanks, or bulk transport loads.