

PRODUCT DESCRIPTION

SSD-4N is a highly effective shale and clay stabilizer designed for use in water or brine based drilling fluids. Functionally, SSD-4N is a nonionic blend that provides excellent long-term stabilization. SSD-4N works by strongly attaching itself to the shale or clay surface. This attachment cannot be removed and therefore stabilizes the shale and clays during drilling. SSD-4N 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-4N is typically applied at a concentration of 0.2 to 0.5 ppb of fluid.

COMPATIBILITY

SSD-4N is nonionic. It is compatible with anionic, cationic and nonionic additives.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Quat. Amine
Color:	Clear, pale yellow
Solubility:	Water and brine
Odor:	Alcoholic
Wt. per Gal.:	7.98 lbs.
Charge:	Nonionic
Flash Point:	78°F (25.6°C)

HANDLING/STORAGE

SSD-4N 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-4N is available in 55 gallon drums, 330 gallon tote tanks, or bulk transport loads.