

PRODUCT DESCRIPTION

CID-4C is a corrosion inhibitor formulated for use in water based drilling mud systems, which also contains a scale inhibitor. CID-4C is a cationic amine salt with excellent solubility in fresh water and brines. CID-4C attaches itself to metal surfaces to provide a protective layer against the corrosion process. The scale inhibitor in CID-4C functions to inhibit the formation of calcium sulfate, barium sulfate and calcium carbonate scales.

RECOMMENDED APPLICATION

The typical first application of CID-4C is 0.2 to 0.4 ppb of fluid. Following the initial application, use rate is typically 0.15 to 0.2 ppb every 24 hours. If the system is highly corrosive a higher use rate may be required.

COMPATIBILITY

CID-4C is cationic. It is compatible with other cationic and nonionic additives. Caution should be exercised when used with anionic materials. If it is necessary to use with an anionic additive a compatibility test is recommended.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Quaternary Amine
Color:	Yellow
Solubility:	Water and brine
Odor:	Alcoholic
Wt. per Gal.:	8.32 lbs.
Charge:	Cationic
Flash Point:	93 ⁰ F (33.9°C)

HANDLING/STORAGE

CID-4C 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

CID-4C is available in 5 gallon container, 55 gallon drums and 330 gallon tote tanks.