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Product Information Bulletin
CTI-140 Foamers
Medium to Heavy Brine Drilling Foamer

DESCRIPTION:

CTI-140 Foamers have been formulated from anionic surfactants, builders, and foam boosters to provide excellent performance in medium to heavy brines of up to 10 Lbs. per gallon. CTI-140 Foamers are heavy duty foaming agents which were developed to be used in air mist / stable foam drilling applications, and which exhibits excellent tolerance to down hole influx of hydrocarbons, as well as high calcium tolerance.

Other applications for CTI-140 Foamers are as an aid in gas well unloading and cleanouts, where excellent results have been obtained at a more economical cost than soap sticks.

AVERAGE PHYSICAL PROPERTIES:

Density	(Lbs./Gal) 8.545
Specific Gravity	1.0296
Flash Point	110°F
Pour Point	15°F
pH OF 5% Solution in water	8.0 – 9.0
Appearance	Light Amber Liquid
Ionic Charge	Anionic

Solubility

Fresh Water	Soluble
High TDS Brine Water	Soluble
Isopropanol	Soluble
Methanol	Soluble
Heavy Aromatic Solvent	Dispersible
Diesel Oil	Dispersible

USAGE:

During typical applications, CTI-140 Foamers are used at a concentration range of from 0.3 to 2.0 % by volume (2 to 8 gallons of CTI-140 Foamers per 10 Barrels of Brine water). These volumes are dependent on drilling methods, brine concentration, and down hole conditions.

CTI-140 Foamers may also be used to unload gas wells by either slugging 5 to 10 gallons down the production string via a wellhead lubricator, shutting the well in to allow the product to fall to the fluid level, and putting the well back on production, or by a continuous treatment down the annular space where possible, at a rate of from 1 quart to 2 gallons per day, based on the down hole conditions and the amount of fluids produced.

HANDLING PRECAUTIONS:

For information regarding safety precautions in handling, health hazards, and exposure, please refer to the material safety data sheet for this product. In case of emergency, please call (956) 683-8022.

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