

# NECC-24

## Non-Emulsifier

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**Description** NECC-24 is a unique combination of a non-surface active polyquaternary amine and surfactant. NECC-24 is designed to provide both clay protection and non-emulsification properties in a single additive package. It provides both temporary and long lasting clay stabilization to protect against formation damage caused by clay swelling and/or migration. NECC-24 minimizes chemical handling requirements.

<b>Properties</b>	Form:	Liquid	Chemical Family:	Quat. Amine & Surf.
	Color:	Clear to Light Amber	Solubility:	Water, Acid, Brine
	Odor:	Mild	Weight:	8.60 lb/gal
	Charge:	Cationic	Flash Point:	>200°F

**Application** The amount of NECC-24 required for a given treatment is dependent on the amount and type of clay present in the formation, formation porosity and desired penetration from the wellbore. Typically 2-4 gal/Mgal will produce the desired results. In fracturing treatments, best results are obtained when the NECC-24 is placed from the pre-pad fluid. When used in acid, NECC-24 should be added to the acid after the inhibitor has been thoroughly mixed, or meter in NECC-24 continuously on the fly.

**Compatibility** NECC-24 is strongly cationic. It is compatible with other cationic and nonionic additives. It is not compatible with anionic material. 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.

**Handling** Keep drum tightly sealed to prevent evaporation and contamination. Avoid contact with eyes, skin and clothing. Do not breathe vapors, especially in a confined area. Use only with adequate ventilation. May cause eye, skin and respiratory tract irritation by contact. 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** NECC-24 is available in 55 gal. poly drums, 330 gal. bulk tanks and bulk transport loads.