

DESCRIPTION

CL-650 is an effective borate crosslinker designed to provide immediate viscosity in gel based fracturing fluid systems. It provides substantial gel strength and proppant carrying capabilities. CL-650 assists in minimizing fluid loss to the formation thereby contributing to more efficient fractures being produced. Borate cross-linked systems are subject to shear and thermal thinning. Case specific parameters should be considered when selecting appropriate dosage levels. CL-650 has a 7.5 typical pH and has been designed to not have significant impact on the pH of the overall system.

Typical dosage levels are 1.0 Gal / 2000 Gal's fracturing fluid. However, pre-testing rheological properties should dictate the final dosage selection in each particular situation.

ADVANTAGES

- Provides immediate viscosity and gel strength for the fracturing fluid system
- Excellent proppant carrying properties
- Assists in minimizing fluid loss to the formation resulting in more efficient fracture formation
- pH neutral
- Typical dosage levels are 1.0 G / 2,000 G of fracturing fluid

PHYSICAL PROPERTIES

APPEARANCE: Clear Amber Liquid

SPECIFIC GRAVITY g/ml @ 25°C): 1.176 Typical

DENSITY (lb/Gal): 9.81 Typical

ACTIVITY (%): 5%

pH: 7.5 Typical

FREEZE POINT (°F / °C): -9 / -23 Typical

SOLUBILITY: Insoluble in hydrocarbons / Soluble in water and brines.

HANDLING AND STORAGE

Provide ventilation. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

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