

EnerFrac™ X-Link 141

Borate Cross-Linker

Description:

EnerFrac™ X-Link 141 is an easy to use liquid borate cross-linker that contains 0.63 lbs. of B₂O₃ per gallon. Because EnerFrac™ X-Link 141 is a freeze protected liquid, it is much easier to use than conventional dry powdered borate products. EnerFrac™ X-Link 141 can be metered more precisely than powders, maximizing gel performance. It can be used at temperatures up to 300°F (148.9°C).

Physical Properties:

Form: Liquid	Chemical Family: Borate Salt
Color: Colorless	Solubility: Water
Odor: Mild	Wt. per Gal: 9.85 lbs.
Charge: Inorganic Salt	Flash Point: >200°F (93.3°C)

Application:

It is strongly recommended that a cross-link test be performed prior to field application using the water and all materials that will be employed in the actual job. EnerFrac™ X-Link 141 should be added on the fly to the pre-buffered gel. EnerFrac™ X-Link 141 may be used at temperatures up to 300°F (148.9°C). Typical use rate ranges from 1.5 - 2.5 gal/Mgal for 30 - 40 lb/Mgal EnerFrac™ G-40 gel.

Compatibility:

EnerFrac™ X-Link 141 is compatible with all commonly used additives. Gels made with EnerFrac™ X-Link 141 can be broken using EnerFrac™ LEB, EnerFrac™ DEB, EnerFrac™ Gelbreak 102, EnerFrac™ Gelbreak 120, and EnerFrac™ Gelbreak 121.

Handling and Storage:

Keep container tightly sealed when not in use. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wear rubber or neoprene gloves, apron and chemical splash goggles while handling. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging:

EnerFrac™ X-Link 141 is packaged in 55 gallon drums.