



PRODUCT DATA

EnerFrac™ Gelbreak 121

Encapsulated Delayed Breaker

Description:

EnerFrac™ Gelbreak 121 is a delayed breaker for water based fracturing gels made from guar or guar based derivatives including HPG and CMHPG. EnerFrac™ Gelbreak 121 slowly releases an oxidizing agent into the fracturing fluid to provide a controlled gel break. Since EnerFrac™ Gelbreak 121 releases slowly into the fluid, more breaker can be run than when using conventional oxidizing breakers, resulting in a more complete gel break. The slow release rate reduces the risk of premature gel breaks, a common problem when using typical oxidizing breakers. Since EnerFrac™ Gelbreak 121 is a solids, the breaker is not lost to the formation during leak-off. The breaker stays in the propped fracture, maximizing gel break and significantly reducing proppant pack permeability damage caused by unbroken gel. EnerFrac™ Gelbreak 121 is designed specifically for high temperature applications ranging from 140 - 225°F.

Physical Properties:

Form: Solid	Chemical Family: Oxidizer
Color: Tan	Solubility: Water
Odor: Mild	Bulk Density: 56 lbs/ft ³
Charge: Inorganic Salt	Flash Point: None

Application:

EnerFrac™ Gelbreak 121 is designed for use in fracturing fluids between 140°F to 225°F. EnerFrac™ Gelbreak 121 should be added continuously on the fly. Recommended use rate can range from ½ to 10 pounds per 1000 gallons, depending on the particular application and break characteristics desired.

Compatibility:

EnerFrac™ Gelbreak 121 must not be mixed with any other additives prior to use.

Handling and Storage:

EnerFrac™ Gelbreak 121 should be stored in a cool, dry location away from flammable materials and strong reducing agents. Keep containers tightly sealed when not in use. Product should be used within one year. EnerFrac™ Gelbreak 121 is an eye and skin irritant. Inhalation may cause respiratory irritation. Safety glasses and rubber gloves are recommended when handling. Avoid producing dust and provide adequate ventilation during use. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging:

EnerFrac™ Gelbreak 121 is packaged in 5 gallon (50 lb) plastic pails.

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