



# PRODUCT DATA SHEET

## Ecopol-EC101 INSTANT GEL ACTIVATOR

### GENERAL INFORMATION:

**ECOPOL-EC101** is a self-buffering, highly efficient and cost effective borate-based crosslinker for fracturing fluids based on guar or HPG. It requires no pH control additives and thus makes it an economical and easy to use product for any application where an instant gel activator is desired.

### PHYSICAL PROPERTIES:

Specific Gravity = 1.25-1.30	pH = 10.0-11.75	Appearance = Colorless liquid
Solubility in water = Soluble	Solubility in diesel = Insoluble	Flash point = >200°F
Odor = None	Freeze point = below -30°F	

### CHEMICAL DESCRIPTION:

**ECOPOL-EC101** contains a borate based crosslinker along with pH control agents in a primarily aqueous base. The product is strongly alkaline and contact with skin or aluminum should be avoided. **ECOPOL-EC101** contains no carbonates which can cause precipitation of solids in high-calcium waters.

### RECOMMENDED USES AND LIMITATIONS:

**ECOPOL-EC101** is recommended as a fracturing fluid activator and buffering agent for applications below 250°F fluid temperatures. Significant losses of activation stability are normally seen above that temperature. In freshwater, use of **ECOPOL-EC101** may give pH above optimum values and thus result in "brittle" gels which reheel poorly and could give high friction pressures. Pretreatment of these waters with small amounts of sodium bicarbonate will normally avoid this problem.

### TREATING APPLICATIONS:

Normal loadings of **ECOPOL-EC101** range from 1.0-2.0 gal/Mgal for a 25 to 30 lbs/Mgal guar base gel. Higher loadings may be needed in cold weather or with on-the-fly liquid gelling agents, where incomplete hydration of the guar may be occurring. As with any fracturing fluid, on-site testing is suggested to optimize fluid properties. Fluids treated with **ECOPOL-EC101** can be broken with a variety of breakers such as **Econo-PS1** or **EconoCap-HT** provided by Economy Polymers & Chemicals.

**ECOPOL-EC101** is available in 55 Gallon poly drums, 264 & 317 gallon poly totes and bulk storage.

**DOT INFORMATION:** Not Regulated

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