



PRODUCT DATA SHEET

ECOPOL-CL12

Delayed Gel Activator

GENERAL INFORMATION:

ECOPOL-CL12 is a highly efficient zirconium crosslinker for fracturing fluids based on guar, CMG, and HPG, but primarily CMHPG. It is effective between the temperatures of 200-400°F and at high pH (10.0) or low pH (4.0).

PHYSICAL PROPERTIES:

pH = Not Applicable

Solubility in water = Soluble

Odor = Alcohol

Appearance = Clear, light brown liquid

Flash point = 54°F

CHEMICAL DESCRIPTION:

ECOPOL-CL12 contains a built in delay mechanism and is an alcohol based gel activator

RECOMMENDED USES:

ECOPOL-CL12 can be used in a broad range of temperatures. It is normally used in fluids buffered to pH 10.0-10.5.

TREATING APPLICATIONS:

ECOPOL-CL12 is typically added on the fly, at a loading of about 0.5-1.5 Gallons/1000 Gallons of fracturing fluid at a pH of 4.0 or 10.0. Gel loading can range from 25-40ppt or higher. A pH of about 4.0 or 10.0 can be achieved either by Econo Buffer-L or Econo Buffer-H, respectively. The product activates at about 120°F. **ECOPOL-CL12** has no known incompatibilities with any of the additives normally used in fracturing fluids.

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