



# PRODUCT DATA SHEET

## ECOPOL-SI2000

### Scale Inhibitor

#### GENERAL INFORMATION:

**ECOPOL-SI2000** is a revolutionary product for the prevention of scale buildup. **ECOPOL-SI2000** is more effective at preventing calcium carbonate and calcium sulfate scale than any other product on the market. It is also effective for inhibiting barium sulfate scale. **ECOPOL-SI2000** can tolerate very high concentrations of salt (NaCl, KCl), increased levels of metal impurities in solution and a higher alkalinity level than other scale inhibitors on the market.

#### PHYSICAL PROPERTIES:

pH – 4.5-5.5

Flash point - >200°F

Specific Gravity - 1.03

Pour Point - >-20°F

Solubility in water - Soluble

Odor - Mild

Color - Clear to Yellow

#### CHEMICAL DESCRIPTION:

**ECOPOL-SI2000** is a phosphorous based chemical in an aqueous solution.

#### RECOMMENDED USES:

**ECOPOL-SI2000** can be added directly into the fracturing fluid to prevent flash scale formation. **ECOPOL-SI2000** will also plate out on the formation face to inhibit the growth of scales over time. Treatments rates should be in the range of 0.5 to 1.0 gal/1000gal, but pilot testing is recommended before use.

**ECOPOL-SI2000** is available in 55 gallon drums, 264 & 317 gallon totes

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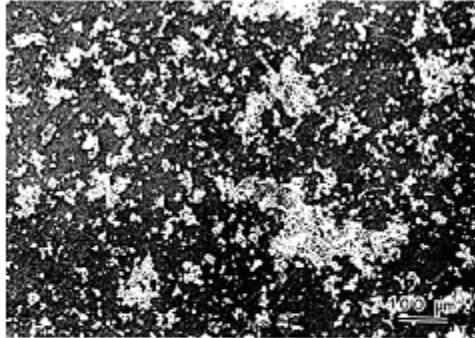


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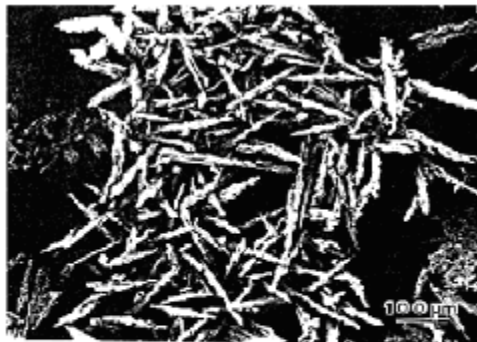
**ECOPOL-SI2000**

**FIGURE 1**

**Produces Very Small, Spherical, Uniform, Easily Dispersed, Non-Adherent Calcium Carbonate Particles at 300 Times Calcite Saturation (Photographs at 135X Magnification)**



**CaCO<sub>3</sub> formed in the presence of Econo-SI2000**



**CaCO<sub>3</sub> formed in the presence of HEDP phosphonate/polymer blend**

**FIGURE 2**

**Relative Effectiveness of Calcium Carbonate Scale Control Inhibitors at Severe Conditions (>150 times Calcite Saturation)**

