



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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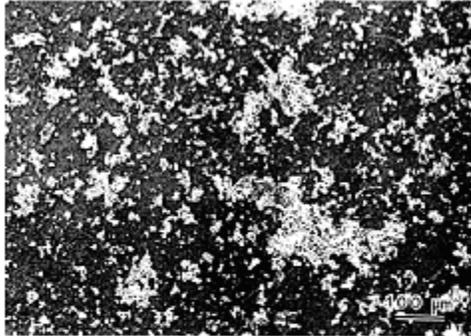


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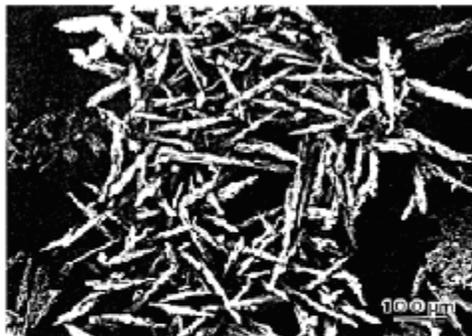
ECOPOL-SI2000

FIGURE 1

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



CaCO₃ formed in the presence of Econo-SI2000



CaCO₃ 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)

