



MICRO-CURE E2 remediation treatment

Increase reservoir flow

The **MICRO-CURE™ E2**, from Baker Hughes, a GE company (BHGE), is an environmentally friendly, proprietary remediation treatment designed for cased and perforated completions. MICRO-CURE E2 eliminates common near-wellbore damage mechanisms, enabling increased production rates. It is an excellent pre-flush treatment when pumped ahead of acid and frac operations.

The application of MICRO-CURE E2 removes skin damage, water-wets and mobilizes solids particles such as asphaltene, mud solids and carbonate in the rock matrix, and eliminates emulsion damage in the near wellbore region. Treatment with MICRO-CURE E2 enables reservoirs to flow at their maximum potential, increasing the value and return on investment for the operator.

Recommended treatment

MICRO-CURE E2 is pre-mixed and packaged ready to pump. The treatment volume will be dependent on the total length of perforations and porosity in the near-wellbore rock matrix. MICRO-CURE E2 is a single-step application that is delivered to the damaged zone by bull heading or by using a coiled tubing unit.

Under some situations, MICRO-CURE AF E2 will be delivered to the wellsite and the acid mixed on location to maximize performance. Please consult your BHGE fluids representative for your specific application's treatment requirements.

Applications

- Cased and perforated wells
- Frac spearheading

Benefits

- Increases flow mobility of reservoir fluids
- Removes emulsion damage
Maximizes removal of pore-plugging particles
- Extends the production life of older wells in mature fields
- Delivers return on investment in newly drilled wells experiencing near-wellbore damage
- Provides an effective alternative to expensive re-fracturing or re-drilling

Environmental information

For additional information concerning environmental regulations applicable to this product, contact the Health, Safety and Environmental department of BHGE.

Shipping

Transportation of MICRO-CURE E2 is not restricted by international or US regulatory agencies.

Safe handling recommendations

MICRO-CURE E2 contains a weak organic acid. Utilize normal precautions for employee protection when handling chemical products. Use of standard personal protection equipment is recommended for employee comfort and safety. See safety data sheet (SDS) prior to use.

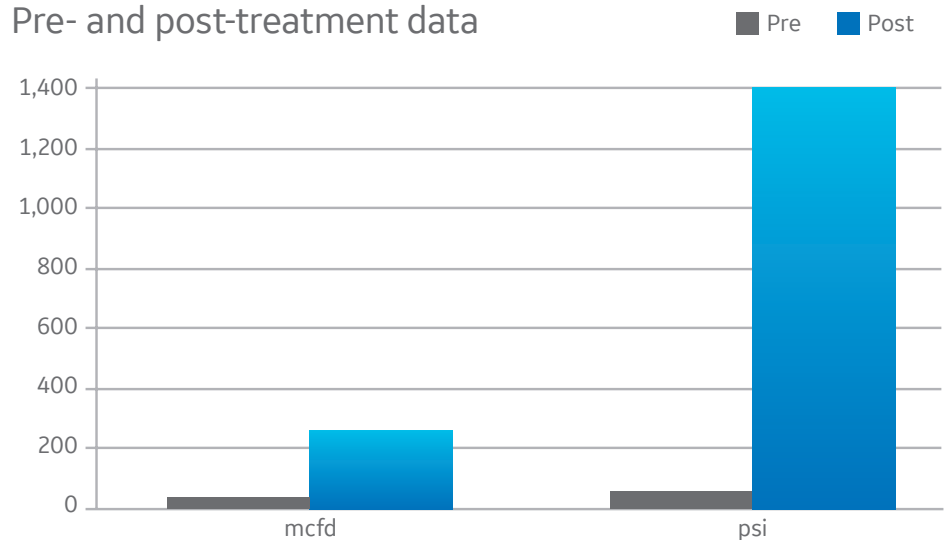
Packaging

MICRO-CURE E2 and MICRO-CURE AF E2 are both packaged in 55-gallon (200-liter) drums and in 275-gallon (1,000-liter), 330-gallon (1,200-liter), and 550-gallon (2,000-liter) totes.

Typical physical properties

Appearance	Translucent fluid
pH (E2)	2.58
pH (AF E2)	5.58
SG @ 68°F (20°C)	1.03-1.04
Flash point	>212°F (>100°C)
Pour point	18 ±36°F (2°C)

Pre- and post-treatment data



After using the MICRO-CURE E2 system, the production rate increased approximately 10 times that of the pre-treatment level on this 57-year old well.

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