

WIC-640 Iron Reducing Agent

Effective iron reducing agent and oxygen scavenger for fracturing and acidizing fluids

Applications:

- Recommended iron control agent for WGA-35LC cross-linked acid system
- Concentration range is 5 to 20 lb/1000 gal (0.6 to 2.4 kg/m³) for fracturing fluids
- Normal concentration range is 3 to 10 lb/1000 gal (0.36 to 1.2 kg/m³) in 15% or 28% HCl acid
- Performance degrades with time and temperature in HCl acid
- Not recommended for batch mixing

Features and Benefits

- Functions as an iron reducing agent and oxygen scavenger for fracturing and acidizing fluids
- Functions as an anti-oxidant and weak chelating agent
- Prevents the precipitation of ferric hydroxide from spent acid by reducing ferric ion to ferrous ion
- Effective at temperatures >300°F
- Reduces iron-induced sludging tendencies of crude oils
- Removes free oxygen from stimulation fluids to assist in the prevention of downhole corrosion problems

Specifications

Physical Properties

Appearance	White to off-white powder
Bulk density	60 to 64 lb/ft ³ (961 to 1025 kg/m ³)
pH (10%)	5.0 to 8.08
Solubility in water	Complete
Packaging	50- or 55-lb (22.7- or 25-kg) containers

