

Emulsion Acid package

Sage productions Emulsion acid system is designed to be the most effective means of removing inorganic oilfield scales which may be coated with organic deposits. Organic deposition can hinder the ability of traditional acid packages to contact scale deposits, and render much of the acid useless. By combining a traditional HCl system with a solvent package, in one continuous phase, layers of organic and inorganic deposits can both be quickly and effectively removed. The solvent package is designed to provide a broad spectrum dissolution of any organic precipitates. The acid package is highly effective in the dissolution of carbonate based scales, including the very common calcium carbonate. Sage's Emulsion acid can be used in a wide variety of reservoir conditions.



Emulsion acid can be through through a bullhead type application, or selectively through the use of coiled tubing. It can be used as a wash in downhole tubing, or it can be safely squeezed into the formation. This means it can be used for either routine maintenance of downhole facilities, or as the key component of a stimulation treatment, as circumstances warrant.

Advantages:

- 1) Excellent dissolving power for carbonate scale and organic deposits
- 2) Very effective for formation squeeze treatments due to its delayed spending
- 3) Ideal for treatment of carbonate based scales
- 4) Excellent corrosion profile under a variety of conditions
- 5) Very safe to use with any formation fluids
- 6) Works very well in conjunction with solvent pre-treatments

Limitations:

- 1) Compatibility testing is recommended to ensure no adverse reactions with formation fluids
- 2) Toxic and corrosive. Please see MSDS should contact occur

Physical characteristics:

Physical State: Liquid
Specific Gravity: 0.95
Titration Percentage: 15-28% equivalent
Colour: Opaque white l
