

EAS (Extended Acid System) Blend

Sage productions EAS package is designed to be the safest and most effective means of inorganic deposit removal. It combines the high dissolving power of very concentrated hydrochloric acid packages with the protection from adverse effects, such as corrosion, asphalteneic sludging, or emulsion formation, of organic acids. The acid package is highly effective in the dissolution of carbonate based scales, including the very common calcium carbonate. As well, the EAS package excels in the dissolution of iron sulfide based scales, attacking them through dual dissolution mechanisms. The acid system also provides a delayed spending mechanism which will mean a more effective squeeze treatment, as well as minimized potential for asphaltene precipitation.

Sage's EAS package can be used wherever a traditional acid package would be used, be it 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
- 2) Very effective for formation squeeze treatments due to its delayed spending
- 3) Ideal for treatment of iron sulfide based scales
- 4) Excellent corrosion profile under a variety of conditions
- 5) Diminished likelihood of asphaltene precipitation when compared with other acid packages
- 6) Works very well in conjunction with solvent pre-treatments

Limitations:

- 1) May be less economical for some applications than traditional acid packages
- 2) Hazardous and corrosive. Please see MSDS should contact occur

Physical characteristics:

Physical State: Liquid
Specific Gravity: 1.08
Titration Percentatge: 14% equivalent
Colour: Opaque white l