

PROREACT LT

AN EFFECTIVE ALTERNATIVE FOR HYDROCHLORIC AND ORGANIC ACIDS

ProReact LT serves as an alternative to traditional hydrochloric and organic acids used in oilfield stimulations such as matrix treatment and fracturing. This synthetic acid is an effective stimulation product for oil, gas and water injection/disposal wells. Compared to traditional hydrochloric acid, ProReact LT is less volatile and has lower reactivity to metals, so there is less corrosion. ProReact LT also prolongs the reaction time, compared to hydrochloric acid, which allows deeper penetration into the formation.

Trican's ProReact LT is being used in formations in Western Canada at a variety of concentrations, ranging from 25 – 45 per cent. The raw material is diluted to obtain the required concentration as follows:

MEASURE OF PROREACT LT	CONCENTRATION	EQUIVALENT TO	EFFECTIVENESS
One cube (1.00 m ³)	45%	15% HCl	Dissolves 220 kg of calcium carbonate
One cube (1.00 m ³)	25%	8.5% HCl	Dissolves 125 kg of calcium carbonate

Trican's current suite of acid additives (acid inhibitors, iron controls, demulsifiers, etc.) are compatible with ProReact LT. ProReact LT is recommended for use in applications where the treatment interval temperature is 90°C or less.

ADVANTAGES

- Safer and less damaging to downhole equipment, while highly effective.
- Much safer to transport and handle than traditional HCl based packages (see Material Safety Data Sheet).
- Significantly lower corrosion than HCl or organic acids.
- Effective at dissolving calcium carbonate based scales and reservoir material.
- Approximately 20% slower reaction rate than traditional HCl treatments, allowing for deeper penetration of squeeze treatments.
- Compatible with Trican's corrosion inhibitors and demulsifiers.
- Lower environmental impact than HCl.

For more information, please contact **Trican Well Service**.