StimCarb-HTOA acid system

Connecting to the reservoir in high-temperature applications while safeguarding your asset

The **StimCarb™-HTOA engineered acid system** from Baker Hughes provides highly effective performance within carbonate and sandstone reservoirs as compared to other acid systems. The StimCarb-HTOA, system can also be applied effectively at lower volumes than conventional systems.

The StimCarb-HTOA system's slow reactivity permits penetration of the live acid deeper within the formation matrix. In carbonate reservoirs, slow reactivity also aides in protection of the wellbore face from the dissolution that often accompanies HCl applications in high temperature environments. The prevention of wellbore face dissolution and slow reactivity allows for a significant reduction in treatment volumes—optimizing operational efficiency and treatment economics.

This cost-effective acid system also requires fewer additives and lowers chemical usage.

The StimCarb-HTOA system delivers improved productivity and reduces the downtime associated with traditional flowback neutralization common in acid applications. The risk of damaging the wellbore is minimized exponentially with the application of a StimCarb-HTOA system—mitigating potential remediation costs.

Contact your local Baker Hughes representative to explore how the StimCarb-HTOA system can fit your specific acid application needs.

Safety precautions

Proper precautions should be taken to avoid eye, skin, and respiratory contact. Protective eye wear, chemical gloves, aprons, face shield, and respiratory should be used when mixing acid solutions. Refer to the safety data sheets (SDS) for additional handling, transport, environmental, and first aid information.

References

SDS

Applications

- HP-HT wells up to 500°F (260°C)
- Carbonate and sandstone acidizing treatments
- Wellbore scale remediation
- Descaling of ESPs and gravel-pack completions
- Filter-cake removal
- Pickling of tubulars

Benefits

- Delivers deeper matrix penetration of live acid
- Eliminates wellbore face dissolution
- Lowers emulsion risks
- Improves $CaCO_3$ dissolution
- Propagates wormholes at relatively low treatment volumes
- Minimizes corrosion rates
- Reduces downtime