



Supreme Services

February 2025



InfinityStim Safe Acid Presentation





InfinityStim SAFE ACID

Our controlled ionic proton acid system delivers industry-leading target solubility with ultra-low corrosion and improved operator safety. Validated in full-scale field trials, it represents next-generation acid technology for safer, greener and more efficient operations

WHY ACIDS?

- Solubilization capability of inorganic solids
- Dissociation reaction of hydronium facilitates solubilization
- Similarly, dissociation is also what causes the rapid dehydration of the skin resulting in a chemical burn. Extreme skin burns can occur as a result of exposure to HCL and Sulfuric
- Dissociation in the case of hydrofluoric acid is what allows the fluoride ion to be absorbed through the skin while allowing accumulation causing deep tissue damage and in extreme cases the calcification of bone





TECHNOLOGY OVERVIEW

- Hybrid mineral–organic acid system
- Mechanism: Controlled ionic equilibrium of acids
- Key Function: Moderates free proton activity while maintaining high total acidity for effective target dissolution
- Result: Efficient, controlled acid delivery — low corrosion, high solubility, operator-safe handling.
- The Greener Solution



InfinityStim, THE MECHANISM

The Pacer Chemical InfinityStim controlling agent contains components that reversibly bind hydronium ions. This establishes an ionic equilibrium that moderates free proton activity, enabling controlled acid reactions. As a result, even at low bulk pH, the solution provides extended dissolution efficiency with reduced instantaneous corrosion that is non-toxic, non-fuming and a non-skin irritant.

This controlled proton technology delivers safer, lower impact mineral acid performance by reducing corrosion, improving operational safety, and enhancing dissolution efficiency compared to conventional inhibited strong acids.

Lab Data Highlights

Metric	Conventional Inhibited HCl	InfinityStim Controlled HCl	Key Insights
Acid strength	15% HCl	15% HCl equivalent	Higher active acid, but controlled
Corrosion on C1010 steel (MPY)	84,321	121	~99.8% corrosion reduction
Acid solubility (CaCO target)	Baseline	>10% increase	Higher dissolution efficiency
Sludge / precipitation	Often forms	None	Stable complexation, minimal solids
Fuming Hazard	Yes	No	No Human Hazard
Dermal hazard (OECD 404)	Yes	No	No Human Hazard

InfinityStim Safe Acid – Corrosion Testing Results (2026)



LIQUIDS MATTER

Medio Group LLC

4 Test Results

4.1 12 hour exposure testing at 3000 psi

Metal type	Temperature F	Coupon	Initial weight (g)	Final weight (g)	Weight loss (g)	Rate lb/ft ²	Pitting
L-80	150	B987	60.4977	60.4421	0.0556	0.0037	none
L-80	200	B986	62.4554	62.1230	0.3324	0.0219	none

Metal type	Temperature F	Coupon	Initial weight (g)	Final weight (g)	Weight loss (g)	Rate lb/ft ²	Pitting
P-110	150	D613	57.5397	57.4678	0.0719	0.0043	none
P-110	200	D679	61.8317	61.6144	0.2173	0.0131	none

4.2 6 hour exposure testing at 3000 psi

Metal type	Temperature F	Coupon	Inhibitor gpt	Intensifier gpt	Initial weight (g)	Final weight (g)	Weight loss (g)	Rate lb/ft ²	Pitting
L-80	250	C088		10	60.3044	59.5212	0.7832	0.0515	none
L-80	300	C089	10	10	59.8857	59.3310	0.5547	0.0365	none
L-80	325	C090	10	20	60.5804	60.0426	0.5378	0.0354	none

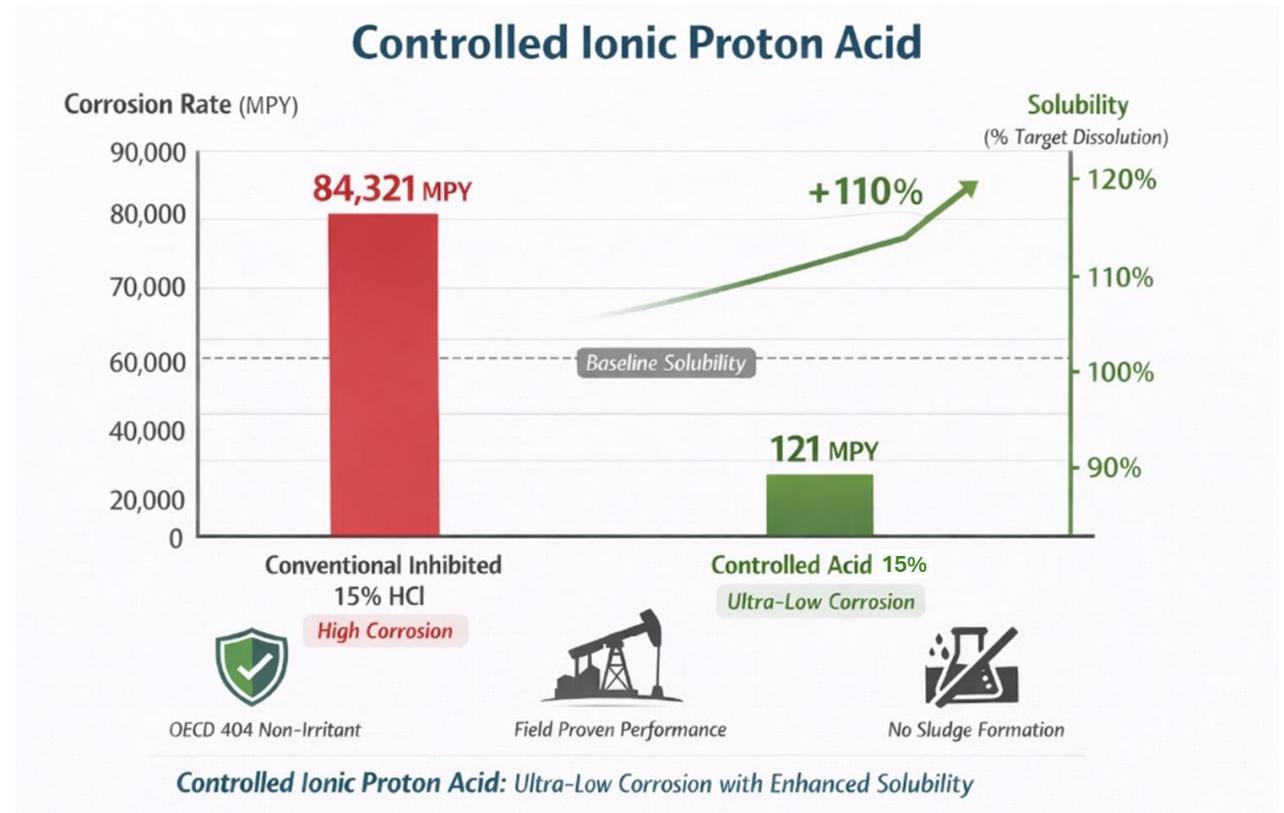
Metal type	Temperature F	Coupon	Inhibitor gpt	Intensifier gpt	Initial weight (g)	Final weight (g)	Weight loss (g)	Rate lb/ft ²	Pitting
P-110	250	E311		10	56.8225	56.4225	0.4000	0.0240	none
P-110	300	E313	10	10	56.1713	55.8412	0.3301	0.0198	none
P-110	325	E312	10	20	58.9387	58.5320	0.4067	0.02445	none

January 30, 2026

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Differentiators / Advantages

- Controlled proton delivery → low corrosion, safer operation
- High dissolution efficiency → more target removed per unit acid
- No sludge formation → cleaner operations, reduced downtime
- Operator-friendly → non fuming and dermal non-irritant
- Environmental → Non bioaccumulating while neutralizing safely to common salts
- Field-proven → robust performance in actual wells





InfinityStim 715 XE HCL

Introduction

- InfinityStim is a unique Safe Acid product that transforms into Enhanced acid that minimizes the hazardous exposure levels, reduces corrosion rates and improves your HSE exposure of HCL.
- This unique Safe Acid also maintains the positive aspects of the solubilization rates of your typical HCL 15% concentrated solutions.
- Safe Acid applications include Frac, stimulation, well cleaning, and salt water disposal well treatments.

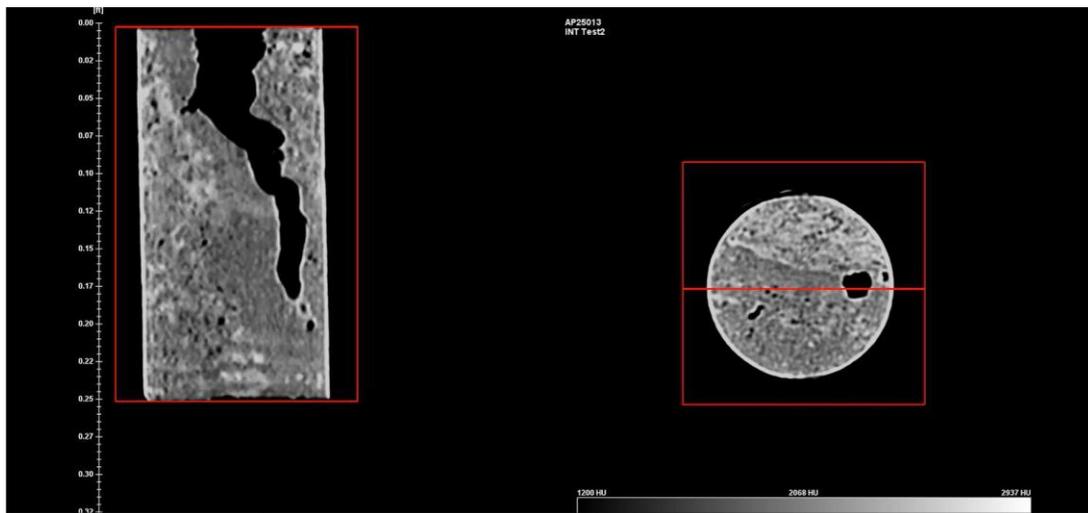
Benefits

- Not DOT regulated
- Ability to maintain its physical, chemical, and mechanical properties at high temperatures to 380F
- Any concentration rate of HCL available

Health, Safety, Environment and Sustainability

- Non-Toxic Acid version that is innocuous to human skin and is without fuming
- Non-Hazardous for employees and Environmentally friendly.
- Personnel should utilize normal safe handling procedures

Carbonate Core Flood Testing – Worm Hole Creation



- InfinityStim 715 XE was pumped in the injection direction at 0.8 cc/min for Step 2.
- Step 2 acid breakthrough, observed as a sudden drop to zero in differential pressure, occurred around PV 3.2.
- Following acid breakthrough, 2% KCl was pumped in the production direction at several rates (step 3). Differential pressure was near zero at each rate, indicating InfinityStim 715 XE had generated a sizable wormhole across the Indiana LS plug.
- The CT scan of post test plug showed a continual big wormhole and many smaller holes in the plug.



InfinityStim 723 XE Mud Acid

Introduction

- A unique, controlled **Hydrofluoric Acid** treatment comprised of 12% HCL + 3% Hydrofluoric Acid.
- Ideal for silica scale control and cleanup
- Can be used in sandstone formations with its elimination of employee safety concerns.
- This unique Safe HF Acid transforms into an Enhanced Acid demonstrating reduced precipitates post stimulation improving stimulation results.
- The resultant solution is less volatile, reducing steel component corrosion during pumping.

Benefits

- Not DOT regulated.
- InfinityStim Hydrofluoric acid is safe for personnel to handle at the job site, although standard handling procedures is encouraged.
- Ability to maintain its physical, chemical, and mechanical properties at temperatures to 380F.
- Ready to use product solution is stable and can easily be transported
- Use of dry ammonium bifluoride is eliminated on location

Health, Safety, Environment and Sustainability

- Dermal Testing Certified in October 2023
- Non-Toxic Acid version that is innocuous to human skin and is without fuming
- Personnel should always utilize normal acid handling precautions

InfinityStim 723 XE vs 9:1 Mud Acid Solubilization Testing

Test Results – Summary of Solubility

Test ID	Core Description	Initial Core Wt. (g)	Treatment Fluid	Fluid Volume	Exposure Temp. (°F)	Exposure Time (hr)	Final Solids Wt. (g)	% Wt. Loss - Dissolved Solids (Wt. %)	% Undissolved Solids (Wt. %)
PCR-DIS-2025-1A	Core Mix (60% Gray Berea, 40% Scioto)	5.0026	9% HCl	125.1	110	6	4.850	3.05%	96.95%
PCR-DIS-2025-1B	Core Mix (60% Gray Berea, 40% Scioto)	5.0116	9% HCl	125.3	110	6	4.856	3.10%	96.90%
PCR-DIS-2025-2	Post Pre-Acid Core Mix (1A)	4.8499	9% HCl + 1% HF	121.3	110	24	4.342	10.48%	89.52%
PCR-DIS-2025-3	Post Pre-Acid Core Mix (1B)	4.8546	ProSTIM 723 XE	121.4	110	24	3.569	26.48%	73.52%
PCR-DIS-2025-4	Core Mix (60% Gray Berea, 40% Scioto), no Pre-Acid treatment	5.0025	ProSTIM 723 XE	125.1	110	24	3.418	31.68%	68.32%





Dermal Testing Results



The following grading scores were observed on treated skin of all the rabbits.

In initial test (animal no. 1) after fifteen minutes of exposure, very slight erythema (barely perceptible) and very slight oedema (barely perceptible) was observed at immediate observation, the same scoring was observed at 1 hour and 24 hours observation which was completely recovered at 48 hours observation.

In confirmatory test (animal nos. 2 and 3) after fifteen minutes of exposure, very slight erythema (barely perceptible) was observed at 1 hour observation which was completely recovered at 24 hours observation and no oedema was observed at 1, 24, 48 and 72 hours post patch removal.

Terminal body weights were increased as compared to day 0 in all treated animals.

No clinical signs were observed in any of the animals during entire project period. The individual mean score of erythema and oedema formation for animal nos. 1, 2 and 3 at treated sites after 4 hours of exposure at 24, 48 and 72 hours were 0.33, 0.00, 0.00 and 0.33, 0.00, 0.00 respectively.

Hence, it was concluded that InfinityStim 723 XE is **Non-Irritant** to the skin of New Zealand White Rabbits under the experimental conditions tested and could not be classified as per the Globally Harmonized System (GHS) for classification of chemicals.



Certifications Obtained / In-Process

- Canadian HMRIA Certification Obtained
- European Reach Certification is in Process – Approval Q2 2026 Projected
- IPCT Campina (OMV/Petrom) Official company lab is currently testing our InfinityStim 715 XE and InfinityStim 723 XE HF



Case Histories 2024 / 2025 Hydrofluoric Acid Treatment



Texas Case Histories

- Well 1 in Hidalgo County with Confidential Client – 550 Gallons pumped in Sand Stone formation. Stimulation work on existing well increased production 1.4 times
- Well 2 in Hidalgo County with same Confidential Client – 550 Gallons pumped in Sand Stone formation. Stimulation work on existing well increased production 1.3 times
- South Texas job related to cement in the well and severely caked up with silica and fines. Client pumped 24,000 gallons of total fluid with significant pressure drop. Due to the success by this service company they received a 1 year contract. (Confidential Client)

Middle East North Africa

- **Total gallons shipped to ME and NA 12,000 gallons** – International projects were all with Confidential National Oil and Gas companies. Kuwait, UAE, Iraq, Algeria and Libya. All work is reported as successful.



Case Histories 2024 / 2025 Hydrochloric Acid Treatment



Frac Case Histories

- Used by several major operators in the Permian for toe prep and perforating during frac
- West & South Texas / North Dakota – pumped greater than 10 mm gallons of InfinityStim Safe Acid treating Cement and residual drilling fluid damage in the last 24 months.

SWD

- Major operator in the Permian is using InfinityStim Concentrate for all their SWD's, rule of thumb for Medsolve PreFlush of 275 gallons and 5000 gallons of InfinityStim is a doubling of injection rate at about 60% of the injection pressure. (from 12,500 BPD to 25,000 BPD going from 2300 psi to 1600 psi).
- Client BOSWD treated over 40 salt water disposal wells in Gonzales, Dimmit, Zapata, Hidalgo, Live Oak, Dewitt, and Atascosa counties using InfinityStim 715 XE Safe Acid with Medsolve 112 per-flush.

ESP Stim

- **KOC** uses InfinityStim 715XE to pump through ESPs to clean up scale and push it towards the perms, so far on 3 wells they have returned stopped ESPs to production with increases as much as 5X of pre failure production
- **Middle East / North Africa** – Total gallons shipped to the region is 20,000 gallons of Additive Concentrate (equals more than 250,000 gallons of 15% HCL equivalent pumped) – International projects were all with Confidential National Oil and Gas companies. Kuwait, UAE, Iraq, Algeria and Libya. All work is reported as successful.

Pacer Chemical Inc.

Manufacturing Capabilities

- Current Single Shift Daily Capacity:
 - 10,000 Gallons InfinityStim 700 XE Control Agent
 - Can create 40,000 gallons of InfinityStim 715/720/723 XE
- Adding two more shifts triples this capacity before additional investment in equipment is required.
- Over 2 million gallons of InfinityStim has been sold and pumped over the past 18 months from our manufacturing facility





Other Proprietary Chemicals

MedSolve 112 - has remarkable surface tension properties in oil which allow the lifting and removal of paraffins and asphaltenes from rock and steel surfaces, providing improved wettability of the reservoir rock as well as a strong affinity to steel leaving a boundary film. Proven to be very effective as an acid preflush or stand alone stimulant for Organics

InfinityDrill family is a unique blend of chemistries that have strong filming agents and provide extreme lubrication properties via a boundary film concept, designed for HPHT applications.

- **Strong filming agents – Protect BHA**
 - Reduce friction & BHA damage.
 - WBM reduction of Bit balling effect & corrosion.

- **Potential wetting agents – Improve mud**
 - Rheology optimization,
 - Improve mud cake quality.
 - More easily removed by the solids handling system.

- **Enhanced lubrication properties – Drill Faster**
 - Reduce torque & drag effect.
 - Increase ROP.
 - Minimize pump pressure and pump maintenance.
 - Allow improve drilling parameters: RPM & WOB.

Sabrechlor®: Proven, Safe, and Sustainable Biocide Technology



Sabrechlor® is a chlorine dioxide-based biocide developed over 25 years ago through a joint effort between Exxon and Sabre Oxidation Technologies Inc

Recognized for its safety and efficacy, Sabrechlor® was the only pre-approved technology selected for the elimination of human pathogens in public buildings—including the U.S. Capitol in 2001.

Sabrechlor® has been successfully deployed in thousands of conventional production, injection, and disposal wells. Its broad-spectrum effectiveness and reliable safety profile make it an essential solution across key operational challenges, including:

Biocide applications for produced and frac water

Formation damage remediation

Polymer cleanup and removal

Oil-in-water separation and emulsion breaking

Contaminant removal (iron, sludge, biomass)

Turnaround safety support by reducing or eliminating H₂S and other toxic risks

Much like how unconventional methods have transformed well productivity, the combined application of Sabrechlor® and Pacer technologies is delivering exceptional results in both conventional and unconventional settings, including modern saltwater disposal (SWD) systems.

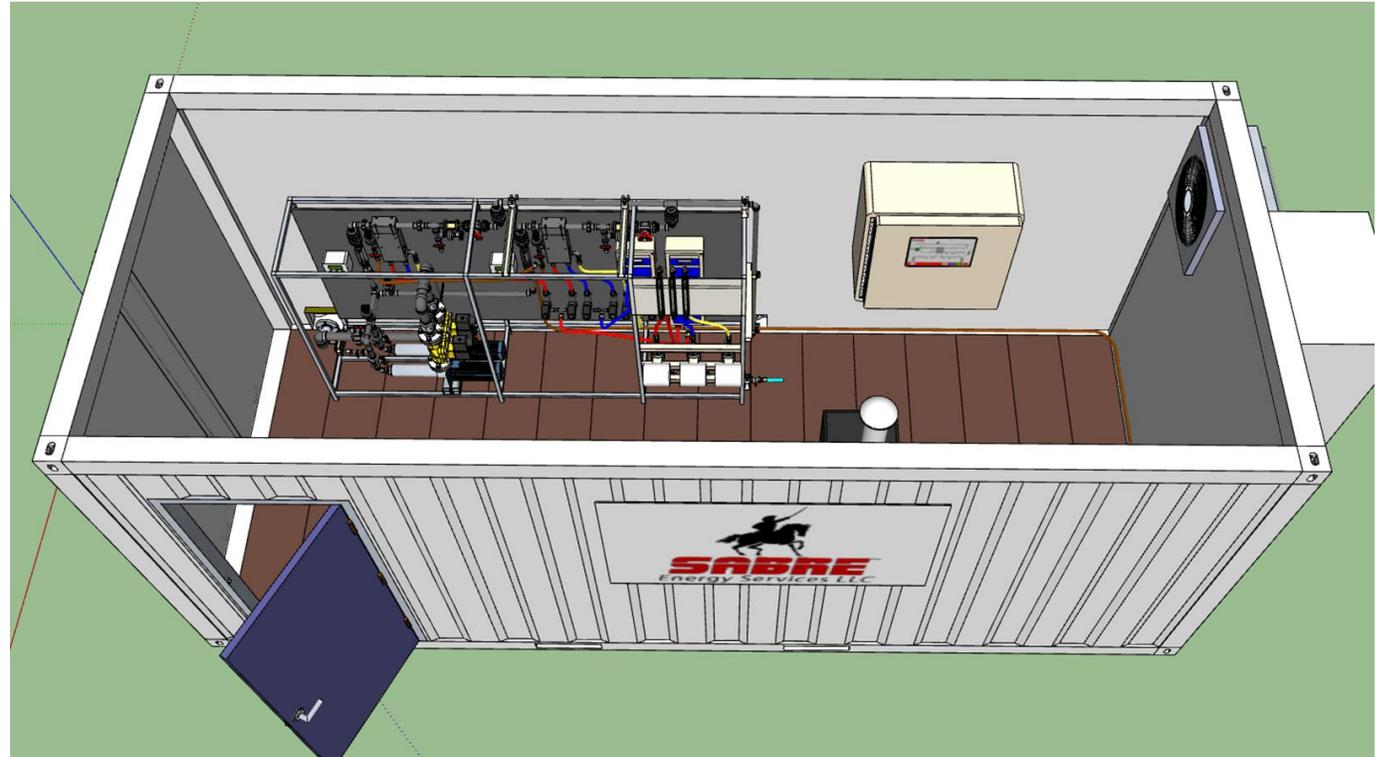
Stealth™ is the latest innovation in the Sabrechlor® lineup—an advanced, slow-release chlorine dioxide product that eliminates the need for on-site generation equipment.

This partnership formed in 2023 enhances Sabrechlor®'s capabilities through Medio/Pacer's proprietary innovations with a global focus - further improving treatment efficiency and well performance for producers beyond the Permian



Safe and Simple ClO2 Onsite Generation

- Containerized Generator
- ClO2 is immediately dissolved into water and only generated while there is water flow, eliminating the risk of free ClO2 gas accumulation





LOCATIONS

Corporate Office:

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& Manufacturing

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Canada Regional Office:

Pacer Chemical Inc.

Didsbury Alberta

Corporate Office:

Medio Group LLC

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Beeville Texas USA, 78102

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New Mexico Acid Facility

Delaware Basin Acid Partners

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