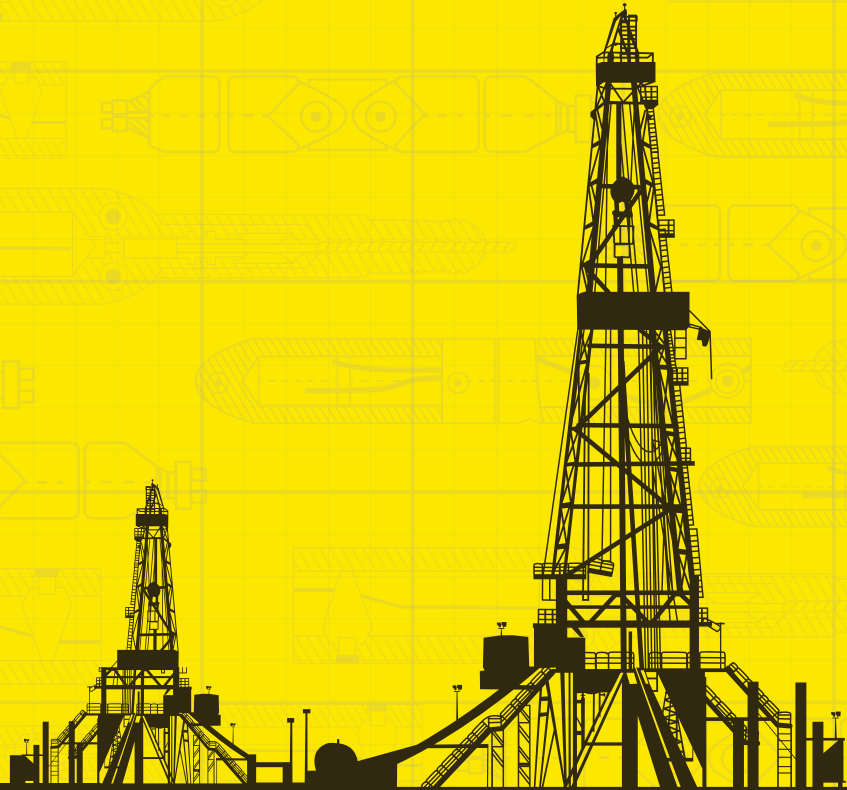


**PZS**  
*Stabilization*

# PZS STABILIZATION -SNCA PRODUCTS

INITIATING A REVOLUTION



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# INITIATING A REVOLUTION

*President of PZS Stabilization, Bruce Coulthard discusses the creation of the company's SNCA Products' SGA-1 and how it is set to revolutionize the oil and gas industry's hydraulic fracturing process to extract oil and gas*

WRITTEN BY: **WILL DAYNES**  
RESEARCH BY: **ROBBIE HODGSON**



SGA-1 has no adverse  
environmental impact

This move into the oil and gas hydraulic fracturing market is something that's new and exciting for our company," enthuses Bruce Coulthard, President of PZS Stabilization LLC. The move in question has come as a result of forming a manufacturing company, SNCA Products LLC, and including exclusive rights to distribute a revolutionary new line of products globally. One of those products, SGA-1, is formulated specifically for the hydraulic fracturing process of oil and gas extraction -also called "fracing".

Until now, the lack of an alternative product has resulted in the oil and gas industry using millions of gallons of hydrochloric acid and other toxic chemicals in the fracing process. A semi-noncorrosive acid in the company's SNCA Product line, SGA-1 has been specifically designed to replace hydrochloric acid with hydronium.

Unlike hydrochloric acid, SGA-1 has no adverse environmental impact. The basis for this revolutionary scientific technology is a patented stabilization and production process related to the  $H_9O_4$  molecule. The proprietary system enables isolation of hydronium, the ion that determines the pH of acids.

"This is a product," Coulthard continues, "that you can literally hold safely in your hands, swipe across your lips and use down the hole of a well. It's really that safe to use. The seeming contradiction though is that it's powerful enough to dissolve rock in much the same way as hydrochloric acid without creating the same ground water contamination, worker safety and fume problems."

A stable acid that does not decompose under normal conditions, SGA-1 completely dissolves calcium, iron, zinc, magnesium and mild-steel and is readily biodegradable, breaking down into water and oxygen. Confirmed by independent testing, the product has a dermal toxicity similar to water and has been awarded a Hazardous Materials Identification System rating of zero. “Perhaps the greatest benefit of this formulation is that its base components are food grade.”

Lab tests on SGA-1, conducted using FDA Antimicrobial Effectiveness techniques have been nothing short of striking. The product passed the test with 100 percent kill rates for E.Coli, Staph aureus and other bacteria and virus remain even from 1-14 days. Tests on Phytophthora Ramorum have the recorded the same results.

The task of spreading word of the product is already well underway with the company making strong use of social media and with Coulthard himself deep in discussion with as many as nine of the largest players in the oil and gas market. “Early reports have been astoundingly positive and there is a growing buzz in the industry,” he highlights. “More and more companies are starting to understand that use of this product has political, environmental and economic



Bruce Coulthard, President of PZS Stabilization

advantages and that discarding old methods is simply the right thing to do.”

Strictly from an economic perspective, one of SGA-1’s core benefits is that it may allow the oil and gas industry to get far more oil or gas to the surface and increase daily production. Looking forward, however, when it comes to how this revolutionary

product will shape the future of oil and gas operations, Coulthard is convinced that it will be intertwined with greater field use. “In a way, the oil and gas industry will effectively become our partner going forward. Our technical staff is getting them started, but in turn, their engineers will give us feedback so we may focus on the manufacturing options we have available. It will help us develop the next generation of products.”

“Where we are today is a result of eight years of research and development. This is

**8 YEARS**

.....

**The length of time spent researching and developing the product**

not a start-up venture. But, while one can’t realistically say that within six months every oil and gas company will be putting this product down their drilling holes, it has not stopped us from strategically planning for rapid expansion and putting new manufacturing facilities in key regions across the globe.”

Having firmly established itself within many industries including the mining sector with its work on stabilizing soils and controlling dust, PZS Stabilization’s foray into the oil and gas industry is very much seen within the

**“A SEMI-NONCORROSIVE ACID IN THE COMPANY’S SNCA PRODUCT LINE, SGA-1 HAS BEEN SPECIFICALLY DESIGNED TO REPLACE HYDROCHLORIC ACID WITH HYDRONIUM”**



**PZS**  
Stabilization

**SNCA**  
Products

**SGA-1**

**707.287.6111**



SGA-1 has multiple uses across other sectors such as the horticulture, healthcare and wine industries

“WE HAVE PROVEN OUR COMMITMENT TO SELL ENVIRONMENTALLY-RESPONSIBLE PRODUCTS THAT ACTUALLY WORK”

business as being a natural progression. For his part, Coulthard’s focus in the short term is to create a financially stable business model that is environmentally-sound as well.

“By selling first our PennzSuppress dust control product and now our SNCA Products, we have proven our commitment to sell environmentally-responsible products that actually work,” Coulthard

proudly states. “I think it’s fair to say that with a product as powerful as this, we can make a difference. Chemically, it speaks for itself,” Coulthard says.

“It really is amazing what this product is capable of doing in so many differing industries. It will control TCA, the cause of cork taint in the wine industry, as well as other microbial problems in the horticultural

sector while also being useful in treating burn victims in war zones and burn centers throughout the world,” Coulthard says. “The oil and gas industry has started taking it seriously because it’s a resource that can solve all manner of operational issues while increasing its ability to be even more proactive on justifiable environmental concerns.”

In advance of what the company sees as the expected demand for the product, PZS Stabilization has made efforts to automate the production process so that it could conceivably produce 100,000 gallons of SGA-1 per day per facility with only a few people overseeing the automated plant. It’s even possible that larger oil and gas companies will want an onsite manufacturing unit to potentially reduce costs.

As Coulthard himself concedes, the truth is that there are still multiple manufacturing and use possibilities at this stage in the game. “While we can’t be one-hundred percent certain what the years will bring, it hasn’t stopped us from looking at the future of SNCA Products broadly. We’ve mastered making a new, important product. Our job right now is to get it out to as many people as possible so they can see for themselves just how revolutionary it is. **BE**

For more information about PZS Stabilization-SNCA Products visit: [www.pzsstabilization.com](http://www.pzsstabilization.com)



**PZS STABILIZATION-SNCA PRODUCTS**

P.O. Box 302

St. Helena, Ca 94574

T 707-287-6111

[www.pzsstabilization.com](http://www.pzsstabilization.com)

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