



**WATERSAFE 60**  
POTABLE CERTIFIED pH BALANCER AND DESCALER



**PHLEX CR**  
POTABLE CERTIFIED HIGH pH CAUSTIC REPLACEMENT



## Acid and Caustic Replacement



**ACID & CAUSTIC FREE**  
**100% BIODEGRADABLE**  
**SUSTAINABLE INGREDIENTS**  
**SAFE ON EQUIPMENT**  
**10-DAY ZERO FOOTPRINT**  
**SAFE ON SKIN AND EYES**  
**NON-CORROSIVE**

EMS water treatment and descaler products offer the power of harsh mineral acids such as hydrochloric, sulfonic and sulfonic without the dangers those pose to your personnel, equipment or the environment.

The patented SynTech dissolves 10% more scale than (muriatic) acid. Yet all power comes in a liquid concentrate that is non-regulated, non-toxic, requires no secondary containment and carries a triple-zero HMIS score. It's no wonder SynTech powered BlowOut has been the first choice of the U.S. Navy, Coast Guard, cargo and cruise lines around the world.

It's the hydrogen load in SynTech that gives it such power. The pH of BlowOut is zero. What makes it unique is how that hydrogen behaves. Hydrogen in acids dissociates and trades place with the hydrogen in metal, seals and other materials. That exchange is what causes corrosion or embrittlement. Because the hydrogen in SynTech has a stronger bond to the H<sup>+</sup> ion than those in acids, you get a non-corrosive cleaner that does not fume, has no exothermic reaction, neutralizes with water, is safe on skins, eyes and biodegrades 100% in less than 10 days.

Use BlowOut for any system that needs freed of scale, rust or other mineral deposits. It even is used in the EU to control Legionella.

Use WaterSafe60 for potable water systems. WS60 is certified NSF / ANSI / CAN 60 to lower pH in potable water, as a well rehabilitation aid, for corrosion and scale control and for pipe cleaning.

"We have been using these products for 4 years and have had great success both from a cleaning perspective as well as the outstanding safety aspects of the products."

*Kellogg's*

"These products are responsible for Meyers finding and implementing safe, cost competitive replacements for several hazardous chemicals in our facilities."

*Myers Container*



**Still  
using  
ACID?!**



## pHlex CR (Caustic Replacement)

pHlexCR has a pH above 13 and the ability to raise the pH any liquid as well as to clean and degrease with the potency of high pH cleaners, allowing you to replace these dangerous chemicals. pHlexCR carries a triple-zero HMIS score, is non-toxic, non-fuming, safe on skin, eyes and equipment. pHlexCR can be blended with water safely with no exothermic reaction.

Because pHlexCR contains no traditional hydroxides, it does not leave a residue of salts after a cleaning. And because pHlex CR neutralizes with water, there is no need for a follow up acid wash. pHlexCR has no BODs and almost no CODs. Like all pHlexaPeel products, pHlexCR can be shipped common carrier and requires no secondary containment.

pHlexCR boasts LC50 and LD50 scores well below regulated toxicity limits and many times less than caustics.

pHlexCR is NSF / ANSI / CAN 60 Certified.

pHlexCR<sup>2</sup> is also available offering an even more powerful option of this safe cleaner.

pHlexCR is a direct replacement for 40% sodium hydroxide.  
pHlexCR<sup>2</sup> is a direct replacement for 60% sodium hydroxide.

Either pHlex CR product can be diluted with water as needed to replace the caustics you currently use. There is no reaction when adding pHlex CR to water or water to the product.



## Calcium Carbonate Dissolving Power

|                   |            |  |
|-------------------|------------|--|
| <b>SynTech</b>    | <b>9.8</b> |  |
| <b>Muriatic</b>   | <b>8.4</b> |  |
| <b>Urea Hcl</b>   | <b>7.2</b> |  |
| <b>Sulfonic</b>   | <b>6.9</b> |  |
| <b>Phosphoric</b> | <b>0.9</b> |  |

Percent of calcium carbonate cube dissolved in 3 minutes.

## POWER and SAFETY

SynTech has a zero pH, carries a 0-0-0 HMIS score, is non-regulated by the DOT, TDG, IATA, IMDG, SARA 313 311 / 312 and California Prop 65.

Unlike other acids which power products such as Rydlyme and Dynamic Descaler, SynTech does not carry any GHS pictograms. It's simply that safe.

But the zero pH means that it dissolves more calcium carbonate than sulfuric, phosphoric, hydrochloric or buffered acids.

The 13+ pH of pHlex CR<sup>2</sup> is equally safe for people, equipment and the environment.



Call 877-424-6979 or visit [www.phlexapeel.com](http://www.phlexapeel.com) to contact your local representative  
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