

CAFLON Safe RHC3

Scale dissolver

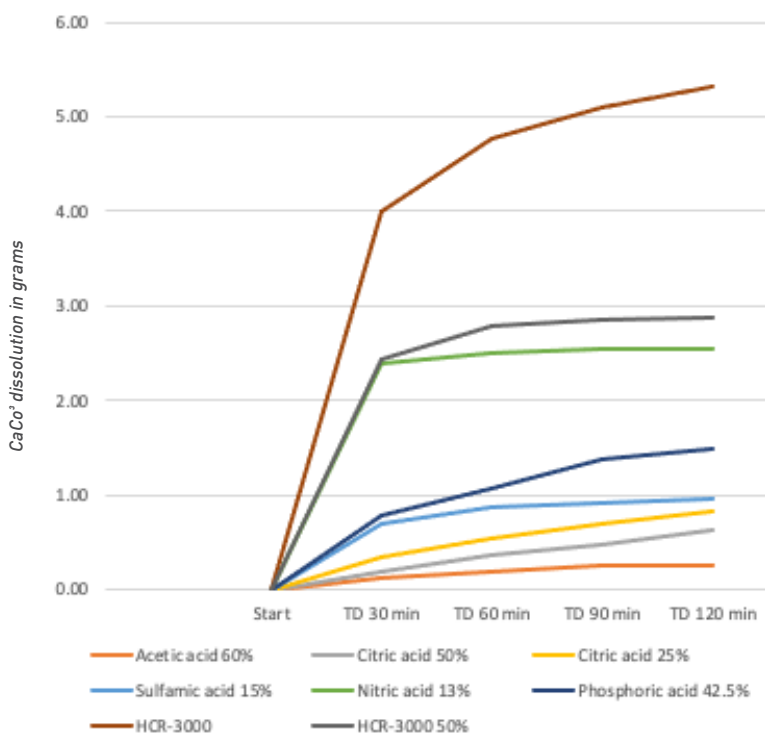
Overview

- CAFLON Safe RHC3** is a strong, ultra-low corrosive, HSE safe, synthetic acid with the equivalent solubilizing capacity on Calcium carbonate as ~20% Hydrochloric acid. The product is used "as is" or diluted 1:1 with water.

Application

- CAFLON Safe RHC6** can be supplied as a concentrate or as a 1:1 dilution with water.
- Heavy duty chemical cleaning/scale dissolution of acid soluble scale in production and injection wells, pipes, tubes, flow-lines, seawater inlets, heat exchangers, cooling towers, boilers, fire-water systems, equipment, etc.

HCR-3000 vs Conventional Acids



Scale Dissolution vs Conventional Acids

The graph shows the Calcium carbonate scale dissolution efficacy of HCR-3000 (and HCR-3000 diluted 1:1 with water) compared to conventional acids such as Citric acid, Sulfamic acid etc. ~4 gram scale lumps were immersed in 20 ml liquid @ 20°C, and weight reduction was measured at 30 minute intervals for each chemical.



Value Add/Benefits

- Dissolves typical hard scale (carbonates, iron oxides, seawater scale) very efficiently
- Ultra-low metal corrosion
- Non-corrosive to skin tissue (HS&E safe)
- Contain no halogen
- Similar solubilizing abilities as ~HCl 20 %

Specifications

- Appearance: Clear amber liquid
- Specific Gravity: 1.21
- Freezing Point: -30°C
- Boiling Point: > 100°C
- pH: < 1
- Solubility: 100% in water
- Thermal Stability: 180°C
- Shelf Life: >1 year

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