SURTECH 180A

A low-foaming chlorine stable surfactant hardness ion sequestrant

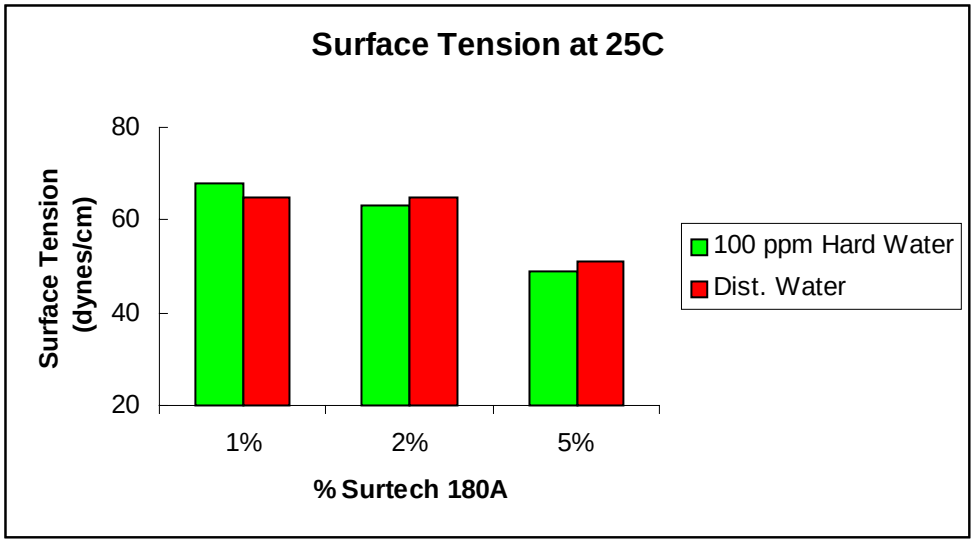
Surtech 180A is a low-foaming surfactant-sequestrant stable in liquid formulations containing chlorine. Designed to be used as the sole surfactant, it has limited hydrotropic properties for nonionics in alkaline built liquids. Its excellent calcium-binding capacity makes **Surtech 180A** an important ingredient in industrial cleaners designed for hard water applications. **Surtech 180A** can also be used in applications that require electrolyte and alkali solubility, chlorine stability, controlled foam, hard water tolerance, and surface tension reduction.

Typical Properties

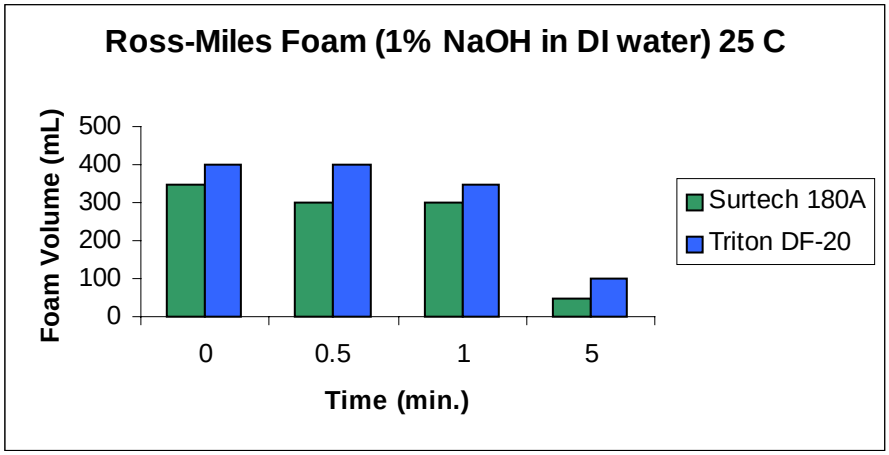
pH	10-12
% Non volatile	29-31
Specific gravity	1.07-1.15
Appearance	Clear, colorless to light yellow, with a mild odor

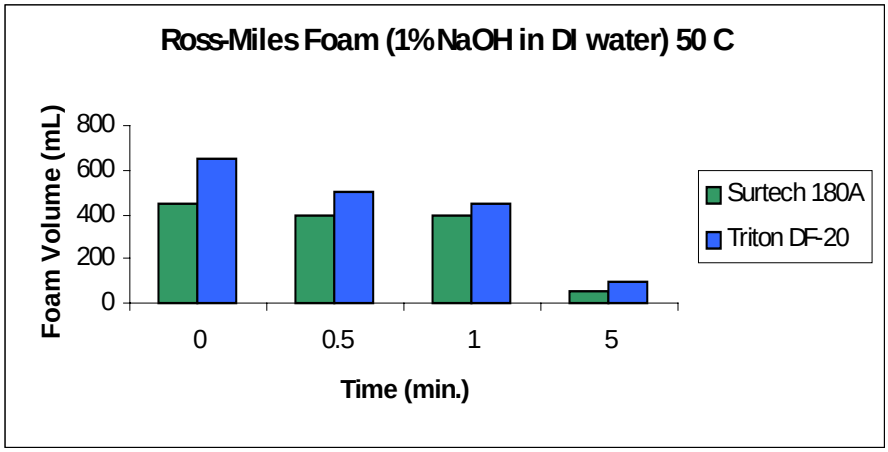
Surtech 180A is readily soluble and low foaming in water at ambient or elevated temperatures. **Surtech 180A** is also soluble in electrolyte builder solutions. 5% active **Surtech 180A** is soluble in solutions containing up to 13% NaOH, or > 20% Tetrapotassium Pyrophosphate.

Because **Surtech 180A** is both a surfactant and a sequestrant, the surface activity is not reduced in hard water, as indicated in the graph below:



Surtech 180A, unlike nonionic surfactants, does not rely on the cloud phenomena for low foam. Foaming properties are compared to those of Triton DF-20 at 25ºC and 50ºC and the results are shown below:





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