

### Not all caps are created equal.

A wide variety of surfactant formulations are available in today's market, each exhibiting a varying range of performance. Some work well, while others have their shortcomings.

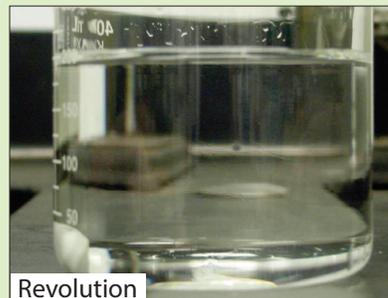
This is also true of capping technologies – the chemical make-up of the non-polar terminating group used in a modified block co polymer surfactant. The chemical make up of these caps used can greatly affect surfactant performance in the soil and overall ease of use.

### Revolution's highly water soluble characteristics contribute to superior performance

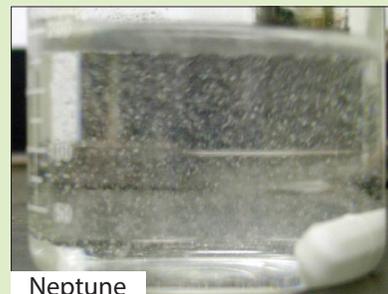
Revolution utilizes methyl caps, making the surfactant highly water soluble and easy to mix in solution. This contributes to ease of application, and ensures that the surfactant disperses evenly in the soil profile for uninterrupted moisture movement.

Neptune, on the other hand, utilizes a stearic acid cap which does not readily solubilize and does not mix easily with water. This lack of uniformity in solution leads to inconsistent wetting patterns in the soil, and a consequent disruption of water distribution.

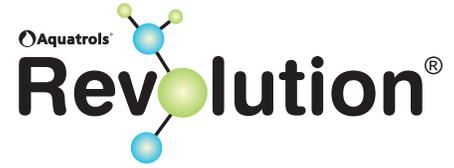
### Solubility in Water



*Revolution mixes quickly and easily in water for uniform application.*



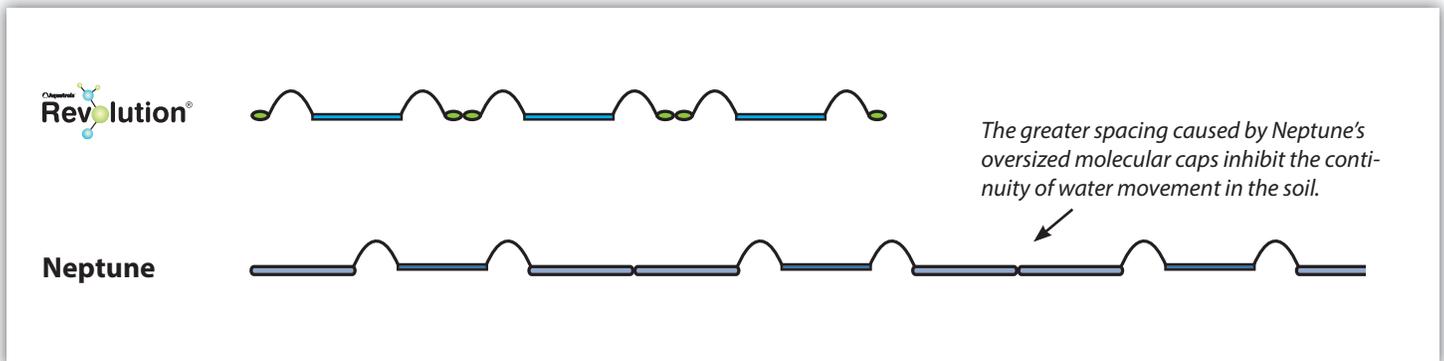
*Neptune is less soluble and does not mix easily into solution.*



## Better Caps Equal Better Performance

While both surfactant chemistries consist of both hydrophobic (water repellent) and hydrophillic (“water loving”) components, the water repellent portion created by the stearic acid cap of the Neptune molecule is *18 times larger* than that of the methyl capped Revolution molecule.

Revolution’s smaller and shorter methyl caps allow for a thinner continuous coating around your soil water repellent colloid. This in turn holds the moisture closer to the soil particle and allows air to flow through the soil and obtain the ideal water to air ratios. Because of this, you are able to provide a more consistent and easily accessible moisture source for turf roots, giving you better overall turf performance.



## The Revolution Difference

- Consistency of turf conditions
- Drier, firmer putting surfaces
- Easier to re-wet after dry down
- Less stress for healthier turf
- Less hand watering

Don't be misled with false claims. Revolution is the **ONLY** patented soil surfactant technology that promotes plant health by balancing water and air on the surface and in the rootzone under wet or dry conditions.

*Ask for the research and the data –  
Aquatrols has it.*

***These products are not the same!***