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## SILICONE DEFOAMER

**ARROCHEM' s SILICONE Defoamer** is an active non-ionic silicone emulsion antifoam developed to assist in control of foam during fluid processing. Silicone Defoamer has been tailored specifically for foam prevention in a wide variety of industrial applications including sewage aerators, digesters, scum blankets, cooling towers, industrial cleaning operations, parts washers, pulp & paper production, and other applications where defoaming is a problem. It is also effective in many industrial aqueous systems requiring a defoamer for hot and cold systems as well as over a wide pH range.

### General Characteristics:

Appearance:	White Opaque Emulsion
Chemical Composition:	Silicone Emulsion
Ionic Nature:	Nonionic
Solubility in Water, 25°C:	Readily Dispersible
Specific Gravity:	0.99 - 1.00 gm/L

### Application:

Silicone Defoamer works best when applied at levels up to 1000 parts per million. The defoamer can be added to the system prior to the formation of foam for optimal results. However, it can be applied by spraying or dripping to eliminate existing foam. Continuous addition of Silicone Defoamer gives best foam control by manual or automatic injection. Agitators operating more than 500 rpm cause reduction in performance. As product is water-based, it should not be used at temperatures above 85C (185F) or below 5C (40F). Since each foaming problem is unique a different level of treatment may be required. Use only the minimum amount of antifoam to control the foam. A good starting point for new applications is 0.25 % to determine the suitability and compatibility of the defoamer to the system and process. Larger quantities, up to 2% may be required for specific foaming problems.

\*As conditions vary, all dosages and guidelines are merely suggested starting points; it is recommended the user determine the proper operating conditions for his/her system.

