

WT141-102

AERATION ENHANCER

PRODUCT INFORMATION:

WT141-102 is a blend of surfactants and antifoams designed to control and optimize bubble size in aerated systems. WT141-102 will improve the performance and efficiency of most Dissolved Air Flotation devices and aerated biological waste treatment systems.

APPLICATION:

WT141-102 improves the operation of aerated systems by controlling bubble size. Smaller, more uniform bubbles provide more surface area per unit of air, longer residence time and more complete dispersion in aqueous medium. This results in reduced horsepower requirements, maximized oxygen distribution and uptake, and healthier, more efficient microorganism populations. In DAF units it enhances solids removal.

STORAGE AND HANDLING:

WT 141-102 should be stored at 40-90° F. Short-term exposures to higher or lower temperatures will not normally harm the product. If frozen, WT141-102 should be warmed to 50-80° F and agitated prior to use. The shelf life of WT141-102 is at least six months.

ADVANTAGES:

- Low treatment cost
- Potential reduction in aeration power requirements
- Improved oxygen transfer
- Healthier bio-population

Typical Properties

App:Translucent / lemon odor
Density.....8.2 lbs./gallon
pH.....5.5 – 7.0

DOSAGE AND FEEDING:

In-plant monitoring must determine the optimum WT141-102 dosages. However, typical starting dosages would be in the 3-6 ppm range based on the total flow rate or volume of water to be treated.

WT141-102 should be fed neat from its shipping container using a chemical metering pump. The addition should be continuous and based on flow. Slug addition of WT141-102 should be avoided.

