

Industrial Chemical™

a specially formulated bacterial blend specifically designed for the removal of contaminants in various industrial wastewater systems

overview

The Industrial Chemical™ is a specially formulated bacterial blend that aids in the removal of various contaminants in industrial wastewater systems. Because the blend is highly effective, economical and eco-benign, it continues to provide the ideal solution to wastewater clean-up due to ever-changing and demanding regulations. The naturally occurring, application-specific bacteria formulated in the blend work by digesting organic waste materials to prevent odorous situations and sludge buildup. The Industrial Chemical™ has also demonstrated great success in the degradation of many types of industrial wastes including surfactant, solvent and polymer residues, starch, cellulose, FOG and petroleum hydrocarbons.

advantages of the Industrial Chemical™

optimized proprietary bacterial consortium degrades a broader spectrum of substrates

wide range of carriers available, including eco-benign options

greatly reduces labor time

enhances BOD/COD removal

reduces hydrogen sulfide

applications

- wide variety of industrial wastewater plants

reduces sludge build-up

increases system efficiency

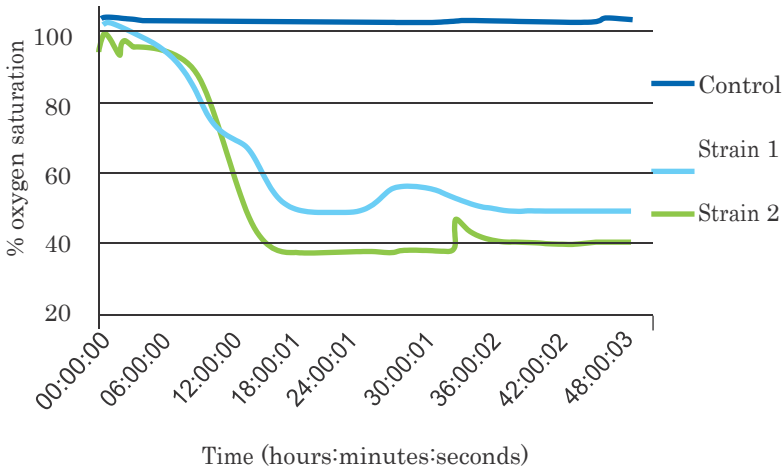
eliminates malodors at its source

highly effective at degradation of fat and grease buildup

manufactured under strict quality control standards to ensure high quality and purity

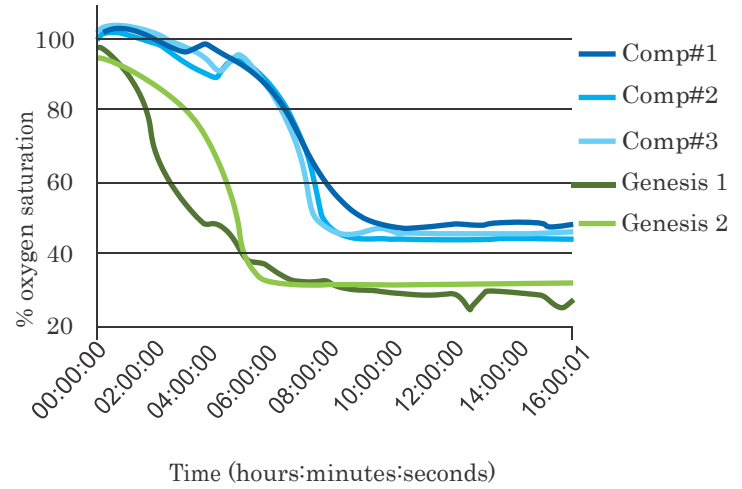
product testing

Degradation of a surfactant (Tween 80) by two strains in the Industrial Chemical™



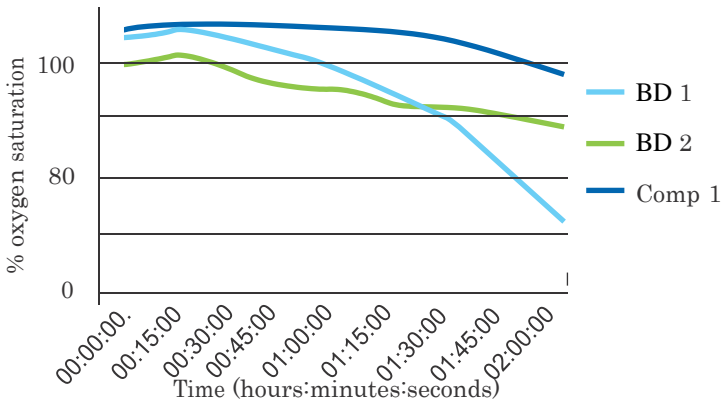
The graph above shows the degradation of a surfactant (Tween 80) by two strains in the Industrial Chemical™. As the substrate is degraded, the % oxygen saturation decreases.

Degradation of starch by two strains in the Industrial Chemical™ versus competitor strains



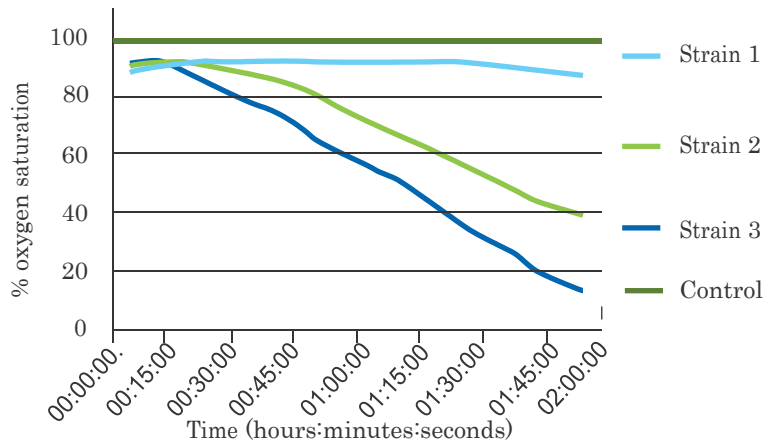
The graph above shows the degradation of starch by two strains in the Industrial Chemical™ versus competitor strains. As the substrate is degraded, the oxygen saturation decreases. The strains show better degradation of starch versus the competition.

Degradation of glycerol by two strains in the Industrial Chemical™ versus a competitor



The graph above shows the degradation of glycerol by two strains in the Industrial Chemical™ versus a competitor. As the substrate is degraded, the % oxygen saturation decreases. The strains show good degradation on glycerol versus a competitor.

Degradation of stearic acid by three strains in the Industrial Chemical™



The graph above shows the degradation of stearic acid by three strains in the Industrial Chemical™. As the substrate is degraded, the % oxygen saturation decreases.

technical specifications for the Industrial Chemical™

targeted compounds	hydrocarbons, cellulosic material, starches, surfactants, sludge volume, solvent residues and odors	
bacterial count	5.00e+09 cfu/g bacillus spores + non-pathogenic pseudomonas	
bacterial type	bacillus spore blend + non-pathogenic pseudomonas	
formula properties	tan, free flowing powder with earthy odor wheat bran/sodium sulfate carrier (available in Canadian approved (CB) formulation)	
performance properties	effective pH range: 4.0-11.0	temperature range: 45-120°F (5-50°C)
packaging	25lb and 50lb containers also available in 2oz, 4oz, 8oz and 16oz dissolvable packets products may be blended in different carriers but order size minimums may apply - check with your sales representative for specific availability (shelf life of 24 months in an original unopened container).	

CONTACT US

Bacteria Direct is a web-based industrial strength bacteria supplier with warehousing in Colorado and Georgia.

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