



ADVANCED BIOLOGICAL POWDER FORMULATIONS

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PetroPlus™

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a unique bacterial blend specially formulated to effectively degrade both aromatic and aliphatic petroleum hydrocarbons

overview

PetroPlus™ is a unique blend of different bacteria strains formulated to effectively degrade both aromatic and aliphatic petroleum hydrocarbons. The Bacillus consortium plus the addition of Pseudomonas have been blended effectively to concentrate on the degradation of petroleum hydrocarbons in soil applications and bioremediations.

applications

- wastewater treatment plants
- water and soil bioremediation

advantages of PetroPlus™

optimized proprietary bacterial consortium degrades a broader spectrum of substrates

wide range of carriers available including eco-benign™ options

greatly reduces labor time

effectively degrades petrochemicals and petroleum hydrocarbons

enhances BOD/COD/TSS removal

reduces hydrogen sulfide

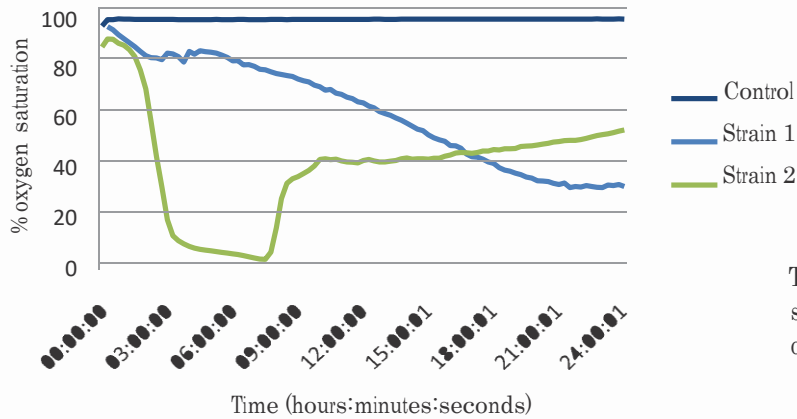
increases system efficiency

eliminates malodors at source

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

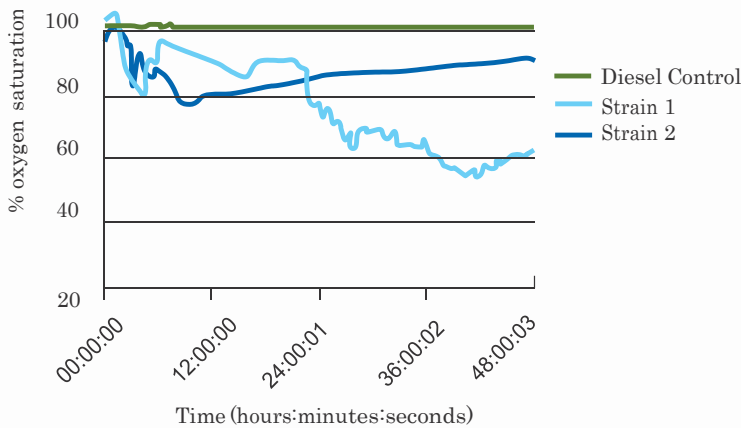
product testing

Degradation of dodecane by two strains in PetroPlus™



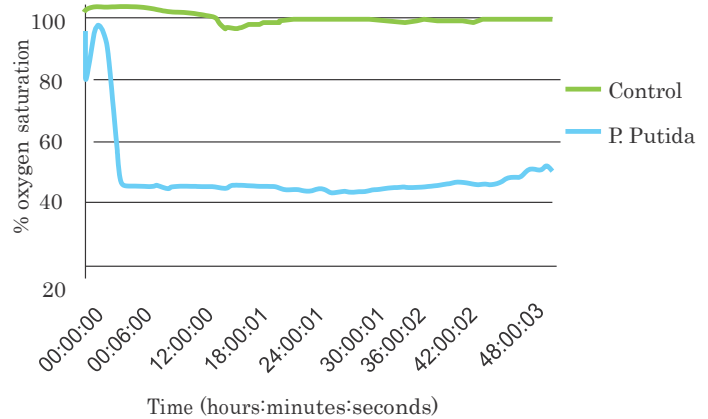
The graph opposite shows the degradation of dodecane by two strains in PetroPlus™. As the substrate is degraded, the % oxygen saturation decreases.

Degradation of diesel by two strains in PetroPlus™



The graph above shows degradation of diesel by two strains in PetroPlus™. As the substrate is degraded, the % oxygen saturation decreases.

Degradation of diesel by Pseudomonas in PetroPlus™



The graph above shows degradation of diesel by Pseudomonas putida in PetroPlus™. As the substrate is degraded, the % oxygen saturation decreases.



technical specifications for PetroPlus™

targeted compounds	benzene, toluene, xylene, ethyl benzene, crude oil, diesel, phenols and dodecane	
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) formulations)	
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 bio-pouches 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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