



Destroys contaminants by creating the right conditions to support bioremediation

CBNTM

Enhanced Biological Attenuation Custom Blend Nutrients

Nutrients For Bioremediation

Typically combined with our PetroBacTM bundle, CBNTM is a nutrient amendment designed specifically for enhanced attenuation and bioremediation of petroleum hydrocarbon constituents (gas, BTEX, diesel, oil) in soil and groundwater. It contains a balanced blend of nutrients (nitrogen and phosphorus) and electron acceptors (nitrate) that bacteria need to thrive.

Essential Components

CBNTM contains the essential building blocks that all bacteria need in order to produce new cell mass and perform cellular functions. Biological processes utilize nutrients according to a Carbon: Nitrogen: Phosphorus (C:N:P) ratio minimum of 100:20:5. Therefore, in order to degrade 1,000 lbs. of TPH, a minimum of 200 lbs. of Nitrogen and 50 lbs. of Phosphorus will be required by the microbial population. These masses of nutrients are not naturally available in most groundwater systems and must be supplied externally during active bioremediation in order to ensure uninhibited contaminant degradation.

Application Info

CBNTM is fully soluble in water, with no measurable viscosity and a maximum solubility of approx. 1 lb. per gallon of water. The mixing ratio can be adjusted depending upon the application method. Appropriate ongoing nutrient addition should be determined by soil/GW sampling for ammonia, nitrate, and orthophosphate.

Product Information	CBN Nutrient TM Characteristics
Packaging	50-lb. plastic bags
Physical Composition	Dry, white granular product
Changes groundwater pH	No
Nutrients included	Yes
Water Soluble	Yes
Type of Electron Acceptor(s)	Nitrate
% Electron Acceptor	> 60%
Field Application Assistance	Yes, upon request
Application Method(s)	<ul style="list-style-type: none"> Apply dry to open excavation Mix in solution for spray application or injection



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