



PART OF THE EMTEC GROUP OF COMPANIES

Bioremediation of Soil & Water



EmTec HC Hydrocarbon Degrading Bacteria

- For use in soil, water (salt, brine & fresh) and flowing oil water separators
- Degrades hydrocarbons into CO_2 and H_2O
- Digests hydrocarbons
- Reduces TPH and BTEX
- Digests short and long chain hydrocarbons
- Reduce pumping of oil water separators
- Safe, natural, biodegradable





EmTec HC

EmTec HC is a live, synergistic blend of all-natural bacteria, specifically chosen for their accelerated ability to metabolize hydrocarbon products such as: Gasoline, Oil, Diesel and BTEX (Benzene, Toluene, Ethylbenzene and Xylene). Aromatic compounds such as phenolics are also digested.

The organisms in Emtec HC are classified as BioSafety Level 1 organisms, the safest rating. Additionally, these organisms are:

- Naturally Occurring - natural bacteria, endemic to earth, not genetically engineered
- Non-Pathogenic - does not cause disease,
- Non-Opportunistic - will not cause disease in a compromised host

Bioremediation is best accomplished with bio-augmentation, the addition of large numbers of selected petrophilic (oil-loving) microorganisms grown in the production laboratory. In addition to bio-augmentation, several physical and chemical parameters must be controlled in order to obtain optimal growth and maximum degradation of contaminants.

The major factors to control for successful bioremediation are:

- Microbial population
- Nutrient concentrations
- Oxygen supply
- Moisture Content
- Temperature Requirements
 - Working range: 5°C-45°C
 - Optimum: 28°C
- pH Requirements
 - Working range: 6.5-8.5
 - Optimum: 7.2

Features and Benefits:

For use in soil, water (salt, brine & fresh) and flowing oil water separators
Degrades hydrocarbons into CO₂ and H₂O
Digests hydrocarbons
Reduces TPH and BTEX
Degrades Petroleum in soil and water
Digests short and long chain hydrocarbons
Eliminates waste
Reduce pumping of oil water separators
Safe, Natural, Biodegradable

Available in Concentrated Liquid and Slow Release Tablets.

EmTec HC Degrades:

Unrefined Hydrocarbons
Refined Hydrocarbons
Gasoline
Diesel
Jet Fuel
Motor Oil
Heating Oil
Lubricating Oil
Crude Oil
Paraffin
And others...

EmTec

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