

Recycler 102

Oil Contamination of Soil and Waste Water Treatment

Recycle - Rejuvenate - Sustain - Profit

Composition:

Twenty seven different strains of free living microbes

Bacteria: Gram + and gram - strains that have demonstrated the ability to degrade a wide variety of complex organic molecules

Actinomycetes: Soil bacteria that have some unusual degradation capabilities

Fungi: Mycelial fungi that have demonstrated the ability to degrade complex chlorinated compounds

Capabilities:

- ✚ Aliphatic hydrocarbon degradation
break down hydrocarbon chains that may range from hexane to paraffin length into smaller molecules and ultimately to carbon dioxide and water
- ✚ Volatile aromatic hydrocarbon degradation
have demonstrated the ability to break down the BTEX and MTBE compounds common to many fuels
- ✚ Polynuclear aromatic hydrocarbon degradation
have demonstrated the ability to break down two ring naphthalenes through the six ring representatives present in diesel and fuel oils

Applications:

- ✚ Bioremediation of gasoline contamination in soil, sludge, surface water and groundwater
- ✚ Bioremediation of diesel contamination in soil, sludge, surface water and groundwater
- ✚ Bioremediation of fuel oil contamination in soil, sludge, surface water and groundwater
- ✚ Treatment of oily washwater from heavy equipment, truck, bus and auto washing operations
- ✚ Treatment of producing oil wells experiencing problems associated with paraffin accumulation
- ✚ Reduction of hydrogen sulfide in gas wells