

## Recycler Fuel Oil

### Inoculum: 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 naphthalene's 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 wash water from heavy equipment, truck, bus and auto washing operations
- ✚ Treatment of producing oil wells experiencing problems associated with paraffin accumulation
- ✚ Reduction of hydrogen sulphide in gas wells