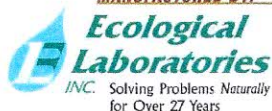


MICROBE-LIFT/IND[®] Series

BACTERIAL CULTURES

Ecological Laboratories Inc. has developed a series of bacterial cultures to enhance the biological breakdown process in industrial and municipal wastewater systems. MICROBE-LIFT/IND Series liquid and dry cultures are culture concentrates designed specifically for use in wastewater systems to promote rapid startup, recovery and to achieve system stability.

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Introducing the MICROBE-LIFT/IND Series

ECOLOGICAL LABORATORIES Inc. has been working for over two and a half decades to enhance the biological degradation of slow and difficult-to-degrade organic chemical constituents that impact wastewater system operations.

The MICROBE-LIFT[®]/IND Series contains highly-specialized microorganisms that are selected and designed specifically to speed the biological degradation of problem compounds in wastewater systems.

Through the latest developments in biotechnology, the select micro-organisms in the MICROBE-LIFT/IND Series cultures break down and metabolize difficult-to-degrade and toxic compounds—such as: phenols; non-ionic, anionic and cationic surfactants; chlorinated hydrocarbons; proteinaceous waste; starches, fats, oils and greases—at accelerated rates, all the way to CO₂, H₂O and cell mass.

The cultures found in the MICROBE-LIFT/IND Series are designed to resist inhibitory concentrations of difficult-to-degrade constituents; improve system stability; and reduce system upsets and biomass kills common to industrial and municipal wastewater systems.

The MICROBE-LIFT/IND Series contains both liquid and dry formulations and can be used to improve the performance of any biological wastewater system.

MICROBE-LIFT/IND Series cultures solve difficult problems in stressed systems and make good systems operate better.

MICROBE-LIFT/IND HC is a liquid culture consortium designed to resolve the most difficult of wastewater problems. This novel culture blend can be used in conjunction with the dry blends to resolve a wide range of problems.

These cultures break down and convert various toxic constituents to harmless compounds, e.g.: the degradation of phenolic compounds all the way to CO₂, water and cell mass.

The MICROBE-LIFT/IND Series cultures can be used in any wastewater system to maintain and improve performance. This includes lagoons, activated sludge bio-reactors, bio-towers, and aerobic and anaerobic digesters.

Cost Effectiveness

The MICROBE-LIFT/IND Series cultures can: expand system capacity; lower surcharges; reduce waste sludge generation; and reduce the use of chemicals e.g.: polymers, defoamers, etc.

System Stability

These cultures resist shock loads of chemicals, reducing upsets and kills, which may occur in wastewater treatment systems. This translates to improved system performance, stability and reduced final effluent BOD, COD and SS.

Benefits

- **Rapid Startup**
- **System Recovery**
- **Eliminates Odors**
- **System Stability**
- **Improves Solids Settleability**
- **Eliminates Pass Through Compounds**
- **Reduces BOD, COD and SS in Final Effluent**
- **Improves Nitrification**
- **Improves Cold Weather Performance**

