

# UNITED

LABORATORIES

## United 486

### FEATURES AND BENEFITS:

- Degrades high oil and grease
- Degrades a wide range of organic compounds found in municipal systems
- Contains facultative anaerobes which degrade with or without oxygen
- Greatly increases efficiency of collection wastewater systems
- Changes biomass dynamics gradually shifting toward a superior population
- Degrades high concentrations of waste
- Reduces the amount of Oil and Grease blockages
- Increases Hydraulic Flows
- Solves the problem, does not just move it further downstream
- Active in entire treatment system, not just part of it
- Can reduce hydrogen sulfide (H<sub>2</sub>S) production
- Safe for all types of lines – will not corrode the system
- Reduces electrical costs of lift stations
- Eliminates need for harsh, corrosive chemicals

**United 486** is a highly specialized blend of bacterial cultures specifically selected and adapted to degrade a wide range of organic wastes. This product has been successfully used in petrochemical plants, chemical plants, refineries, food processing plants, marine barges, machine shop parts washers, truck washes and wood treating plant applications. **United 486** degrades crude oil, fuels, creosote, PCP, chlorinated hydrocarbons, fats, oil, grease, ethylene glycol, PNA, phenols, BTEX, sulphur containing compounds, solvents, amines and other complex organic compounds. It has proven effective in wastewaters containing BOD or COD in excess of 50,000 mg/l. This product is used to achieve consistent effluents with widely ranging influent organic levels and improves settleability of biological solids.

### DIRECTIONS FOR USE:

Every system is different, and must be treated according to its specific organic mix and operational parameters.

**Activated Sludge, Aeration Basin/Lagoon, Oxidation Ditch** – Or any aerated type of system, minimum dosage requirements are one pound of product per million gallons of flow per day, added to the influent.

**Non-Aerated Systems** – Will require a higher minimum dosage, due to treatment efficiencies being reduced when no aeration is present.

### Aircraft Cleaning Runoff:

Light Duty application use 2# of **United 486** for each 30,000 gallons to be treated.

Medium Duty application use 3# of **United 486** for each 30,000 gallons to be treated.

Heavier Duty application use 4# of **United 486** for each 30,000 gallons to be treated.

# COUNT-BACTERRA

## Microbial Blend For Use With Refinery, Chemical, Petrochemical And Food Processing Wastewater

KEEP OUT OF REACH OF CHILDREN.  
**CAUTION**  
 SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### PRECAUCION AL USARIO:

*Si usted no puede leer Ingles, pregunte a alguien que le traduzca esta etiqueta para usted antes de uso.*

Sold By:  
**UNITED LABORATORIES, INC.**  
 320 37th Avenue • St. Charles, IL 60174  
 1-800-323-2594 • [www.unitedlabsinc.com](http://www.unitedlabsinc.com)

### DIRECTIONS FOR USE: (continued)

**United 486** can be applied as a liquid to the system by mixing one gallon of tap water and one gallon of waste influent water for every pound of product. Mix for 20-30 minutes before adding (preacclimation). Dry product can also be added directly to the system.

### APPLICATIONS:

- SBRs (Sequencing Batch Reactors) • Holding Tanks
- RBCs (Rotating Biological Contractors)
- Oxidation Ditches • Activated Sludge Systems
- Aerated Lagoons/Basins • Trickle Filters
- Facultative Lagoons • Waste Sumps

### CHARACTERISTICS:

Total Bacterial Count ..... 3 billion/gram  
 Appearance ..... Tan, free flowing powder  
 Odor ..... Yeast-like  
 pH ..... Neutral  
 Effective pH Range ..... 6-9  
 Effective Temperature Range ..... 50-110°F  
 Shelf Life ..... One year

### EMERGENCY AND FIRST AID PROCEDURES:

**EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.

**SKIN:** Wash with soap and water. If irritation persists, call a physician or poison center.

**INHALATION:** Remove to fresh air. If irritation persists, call a physician or poison center.

**INGESTION:** Give two glasses of water to dilute product. DO NOT induce vomiting. Call a physician if condition persists.

An MSDS for this product is available through United's website, [www.unitedlabsinc.com](http://www.unitedlabsinc.com), providing 24 hour access. Please read the MSDS carefully and follow all directions when using or handling this product. Never reuse empty containers. Incompatible materials may adversely react.

<b>HMIS® III CODE:</b> 0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE <b>PERSONAL PROTECTION INDEX:</b> Gloves and Goggles	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	n&p