

# UNITED

LABORATORIES

## United 84

### Wastewater Plant Freeze-Dried Bacteria with Enzyme Implant In a Spore State

KEEP OUT OF REACH OF CHILDREN.

#### CAUTION

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.

**NET CONTENTS:**  
1-LB. Water Soluble Packets

LOT # \_\_\_\_\_

- Increases biodegradation of organic wastes.
  - Increases digestive capacity.
  - Increases gas production.
- Reduces biochemical oxygen demand (B.O.D.).
  - Reduces suspended solids (S.S.).
- Reduces sludge volume (S.V.). • Eliminates odors.

For application on the wastewater process side. Please contact our Technical Support Group for assistance.

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

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

#### SLUDGE LAGOONS:

Supply 5 lbs. of **United 84** for each acre (6 kg for each hectare) of lagoon surface as a purge dose. This dose is based on an average depth of 5 feet (about 2 m) in the lagoon. Adjust your dosage if the depth significantly varies from 5 feet (about 2 m).

**EXAMPLE:** If the lagoon is 7.5 feet in depth, multiply the dose rate by 1.5. **United 84** should be introduced to the lagoon by "planting" the water soluble packets around the trouble areas and/or directly in the influent stream.

**MAINTENANCE DOSE:** Use 10% of the purge dose per month in a non-discharging lagoon, and 20% of the purge dose per month for a discharging lagoon. Always reseed a lagoon with the purge dose if there has been a significant bacteria kill. Spring and fall "up-turns" may be reversed by the addition of **United 84** at the maintenance dose rate of a discharging lagoon. In an anaerobic lagoon, significant sludge reduction can be accomplished in a period of six months to a year by following the purge and maintenance dose directions above. It would not be unusual to reduce the sludge layer by 50% in one year's time, providing there is no bacteria kill during that period of time.

#### LIFT STATIONS:

Use 1 lb. of **United 84** for each 500 gallons (1 kg for each 4,000 liters) of capacity of the station at the low flow point, for reducing a large sludge deposit at the bottom of the well.

**MAINTENANCE DOSE:** 20% of the purge dose per month. If a continuous feed of bacteria with enzymes is desired, contact United Technical Support for recommendations.

#### SEPTIC SYSTEMS:

Use 1 lb. of **United 84** for each 500 gallons (1 kg for each 4,000 liters) of capacity purge dose. If the drain field is clogged with grease, use United 556 ZYME-TREAT, 6 gallons (approximately 25 liters) per each splitter box.

**MAINTENANCE DOSE:** Use 10% of the purge dose of **United 84** per month. No additional ZYME-TREAT is needed unless the field clogs again.

#### RESEEDING ACTIVATED SLUDGE PLANTS:

Use 1 lb. of **United 84** per 10,000 gallons (1 kg per 85,000 liters) of mixed liquor. An improvement in bacteria count should be noticed in 5 - 10 days.

#### ANAEROBIC SLUDGE DIGESTERS:

Use 1 lb. of **United 84** for each 10,000 - 20,000 gallons (1 kg for each 85,000 to 170,000 liters) of digester contents for an initial dose.

**MAINTENANCE DOSE:** Use 10% of purge dose each week until no longer needed. This can be determined by checking the bacteria count in the lab.

**COMPOST HEAPS:** Use 1 lb. of **United 84** per 5 to 10 tons, or 2 lbs. per 1,000 ft.<sup>2</sup> surface area material to be composted. Treat by mixing with water and spraying compost heap. For fastest decomposition, turn over pile every few weeks and treat with digestant.

**SWAMPY AREAS: UNITED 84** may be used to clean up swamps and reduce odors by mixing 100 gallons of water per each pound of **United 84** and spraying it over the swamp area. Turbulence in the swamp waters will help speed up the action of **United 84**.

#### CAUTION:

Store in a cool, dry place. Keep container closed. Wash hands thoroughly after using. Avoid breathing dusts.

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

#### HMIS® III CODE:

0=MINIMAL 1=SLIGHT

2=MODERATE 3=SERIOUS 4=SEVERE

#### PERSONAL PROTECTION INDEX:

Glasses and Gloves

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.

 Manufactured and Printed in U.S.A. 613