



Jeb Bush  
Governor

John O. Agwunobi, M.D., M.B.A., M.P.H.  
Secretary

October 14, 2004

Sent Via Certified Mail Number: 7000 0600 0025 2382 3114

Debra Lynch  
Athea Laboratories, Inc.  
P.O. Box 240014  
Milwaukee, WI 53224

Re: Digestase SDE 340/ Septic-Free

Dear Ms. Lynch:

This letter is to acknowledge receipt of the information concerning the product "Digestase SDE 340/ Septic-Free" for statewide use in Florida. No product sold in the state for use in onsite sewage treatment and disposal systems may contain any substance in concentrations or amounts that would interfere with or prevent the successful operation of such system, or that would cause discharges from such systems to violate applicable water quality standards, section 381.0065(4)(m), Florida Statutes.

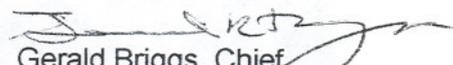
The staff has reviewed the information provided in the MSDS, 96-hr LC<sub>50</sub> toxicity test results, and laboratory results on volatile organic compounds for the product. The department has determined that the product, Digestase SDE 340/ Septic-Free, is in compliance with s. 381.0065(4)(m), F.S. and has no objection to the use of the product in accordance with manufacturer's specifications. Please be advised that all rules pertaining to the use of the product shall be observed and that there shall be no advertising of the product as state approved.

Be advised that the department is not a testing agency and that this determination reflects only a review of the information submitted by you for compliance with Florida Statutes and Florida Administrative Code. The product evaluation does not investigate the validity of performance claims by manufacturers. For this reason, departmental acceptance must not be interpreted as certifying effectiveness, endorsing or recommending use of an additive. The Florida Department of Health also does not assume liability for any promise, guarantee or expectation from purchasing or using an additive. The department reserves the right to withdraw acceptance if product formulation or ingredients are modified after product evaluation by the department or subsequently found not to be in compliance with rule.

This letter of product compliance is limited to Department of Health jurisdictional circumstances as defined in Chapter 64E-6, Florida Administrative Code and Chapter 381.0065, Florida Statutes.

If we may be of further assistance or should you have any additional questions regarding this letter, please call Dr. Sonia Cruz at (407) 317-7325.

Sincerely,

  
Gerald Briggs, Chief  
Bureau of Onsite Sewage Programs



Division of Environmental Health, Bureau of Onsite Sewage Programs  
4052 Bald Cypress Way, Bin #A08, Tallahassee, Florida 32399-1713

This product utilizes the powerful waste digesting abilities of natural enzymes and bacteria. It is a blend of special bacteria strains (both anaerobic and aerobic types) cultured for their ability to digest and liquefy organic sewage – **quickly, efficiently and without odors!** These potent bacteria are combined with natural enzymes to immediately break down all types of organic waste for effective digestion. Regular applications are necessary to replenish the beneficial bacteria and minimize growth of unwanted bacteria that produces odors and noxious gas.

These beneficial bacteria cultures are vastly superior to naturally occurring bacteria in digesting waste. Treated systems will reduce BOD and COD faster and more efficiently, enabling the system to treat higher volumes of waste and meet stringent effluent quality requirements. It will help the treatment system to resist temporary disruptions caused by toxic influent, while reducing odors and sludge volume. In both aerobic and anaerobic sludge digesters, digestion is more complete for less volume, easier dewatering and higher nutrient value.

Regular additions of this product, when utilized as part of a preventative maintenance program including inspections by trained professionals, will keep waste handling systems in peak operating condition.

**DIRECTIONS:** The dry bacteria cultures and enzymes in this formula must be activated in warm water (85°–100°F.) **DO NOT USE HOT WATER!** Pour slurry into waste stream at a point where adequate mixing will be achieved.

**SEWAGE TREATMENT PLANTS:** Use in all treatment processes where digestion (biological oxidation) takes place. The usual first point of addition is immediately after the primary clarifier. Add to liquid waste between the primary clarifier into the secondary treatment system.

**Trickling Filters:** Use an initial treatment of 40 pounds (or 6 to 12 pounds/million gallons of daily flow) through wet well or syphon tank. Repeat in 48 hours. For maintenance, use 3 to 6 pounds weekly per million gallons of daily flow.

**Oxidation Tank:** In aerated tanks, use 3 to 6 pounds for each million gallons of liquid sewage. Because of the efficiency of these bacteria, residence time in oxidation may be reduced accordingly. Sludge must be treated separately from the liquid waste after the primary clarifier.

**Aerobic Digesters:** Use 2 pounds per week per 1000 cubic feet of sludge. When a heavy scum blanket or grease layer is present, double the treatment amount.

**Anaerobic Digesters:** Use same application rate as aerobic digesters. Works in harmony with anaerobic methane-producing bacteria to provide more complete digestion and steady gas production.

# DIGESTASE SDE-340

SEWER DIGESTANT  
WITH ENZYMES

SPECIALLY FORMULATED  
FOR USE IN  
SEWAGE TREATMENT PROCESS

INCREASES SYSTEM CAPACITY  
AND EFFICIENCY FOR  
TROUBLE-FREE OPERATION

*ALL NATURAL – SAFE TO USE*

## CAUTION

May irritate eyes.

See side panel for additional precautions.  
**KEEP OUT OF REACH OF CHILDREN**

Sold By:

In smaller treatment plants, add to:

**Settling Tanks:** Use 1 to 2 pounds per week per each 1000 cubic feet of capacity.

**Imhoff Tanks:** Use 2 pounds per week for each 1000 cubic feet of tank capacity. Distribute over surface of solids beneath gas vents, then agitate by paddle or hose.

**Lagoons, Oxidation Ponds, Polishing Ponds:** To reduce odors and sludge build-up and improve clarification, use 1 to 2 pounds weekly per 50,000 gallons of capacity. Disperse the digestant over the water or add through a wet well.

**WET WELLS, LIFT STATIONS, SEWER MAINS AND LATERALS:** Add 1-1/2 pounds per 500 cubic feet directly into wet well. Digestant must get into liquid in order to activate. Treat laterals during periods of low flow. For each 500 feet of length, use 1 pound of digestant per 8 inches of pipe diameter.

## CAUTION

May irritate eyes.

### FIRST AID:

**If In Eyes:** Flush eyes and under eyelids with water for at least 15 minutes. If discomfort persists, see a physician.

**If On Skin:** Wash with soap and water and apply topical antiseptic to open wounds.

**If Swallowed:** Contact physician or poison control center immediately. Give affected person 1 to 2 glasses of water.

**If Inhaled:** Remove person to fresh air. Obtain medical attention if symptoms of allergic reaction appear within 12 hours.

*See M.S.D.S. for complete safety information.*

**KEEP OUT OF REACH OF CHILDREN**

**Handling & Storage:** Keep container tightly closed when not in use. Do not store in unmarked containers. Do not mix with any other chemicals. Store container in cool, dry place. Keep away from acids, strong oxidizing chemicals and disinfectants.

This product contains	CAS Number
Sodium Chloride .....	7647-14-5
Yeast Culture .....	No CAS Number
Bacillus genus .....	68038-68-6
Sodium Bicarbonate .....	144-55-8
Pancreatin .....	8049-47-6

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NET CONTENTS:

25 Lbs.     50 Lbs.     100 Lbs.

NFPA® RATINGS  
Flammability

