WASTE-MASTER
DIGESTASE SDE 340

DESCRIPTION

This product utilizes the powerful waste digesting properties of natural enzymes and bacteria. It is a blend of special bacteria strains (both anaerobic and aerobic) cultured for their ability to digest and liquefy organic sewage - quickly, efficiently, without odors! There potent bacteria are combined with natural enzymes to immediately break down proteins, starch, carbohydrates, animal and vegetable fats and oils, and cellulose (paper) for the most effective digestion. This digestant product will establish thriving colonies of these beneficial bacteria in various sewage treatment processes. Regular applications are necessary to replenish the supply of beneficial bacteria, and minimize growth of unwanted bacteria that produce 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.

BENEFITS - FEATURES

* Attacks, liquefies, and removes grease, fat and oil faster
* Contains both anaerobic and facultative bacteria

ADVANTAGES

* Bacteria remain in spore form for extended shelf life
* Contains vitamins to enhance bacterial growth

WHERE TO USE

* Sewage systems
* Drains
* Trickling filters
* Oxidation tanks
* Digesters
* Settling tanks
* Lagoons
* Imhoff tanks

RECOMMENDED FOR

* Controls odor
* Digests waste
* Breaks down grease
* Reduces sludge

DIRECTIONS

The dry bacteria and enzymes in this formula must be activated by activating them in warm water (85 - 100 F) - DO NOT USE HOT WATER! Pour this slurry directly into the waste stream where adequate mixing will be achieved.

SEWAGE TREATMENT PLANTS:

Use in all treatment processes where waste digestion (biological oxidation) takes place. The usual first point of addition is immediately after the primary clarifier. Add this bacteria culture to the liquid waste as it flows from 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. If necessary, repeat treatment in 48 hours. For preventive maintenance, use 3 to 6 pounds weekly for each million gallons of daily flow.

Oxidation Tank: In properly aerated tanks, use 3 to 6 pounds for each million gallons of liquid sewage. Because of the high efficiently of these bacteria, residence times in oxidation tanks may be reduced accordingly.

Sludge must be treated separately from the liquid waste after the primary clarifier:

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

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

In smaller treatment plants, add to:

Settling Tanks: Use 1 to 2 pounds per week for 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 the solids beneath gas vents, then agitate the entire mass by paddle or water 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, LEFT 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 by adding through manholes.

Lateral Diameter (inches)	Pounds per 500 ft of line
8 inches	1 pound
12 inches	1 1/2 pounds
16 inches	2 pounds
20 inches	3 pounds
24 inches	4 1/2 pounds

SPECIFICATIONS

Appearance.....Powder
Fragrance.....Yeast-Like
Colony count.....1 Billion / Gram

Breaks down fats and grease.....Lipase
Breaks down proteins.....Protease
Breaks down cellulose.....Cellulase

Breaks down carbs and starches.... Amylase
Environmentally safe.....Yes

Another Exclusive Product of

ULTRA-CHEM INC.

Kansas City - Phoenix 800-451-0726

PHOSPHATE FREE · NON-POLLUTANT · TESTED · APPROVED · MADE IN ACCORDANCE WITH AND ACCEPTED FOR USE IN MEETING ★ OSHA ★ OPERATING STANDARDS WHEN ALL LABEL DIRECTIONS AND CAUTIONS ARE FOLLOWED