# KAY JAY SERVICES

## Super Powder Enzymes Concentrate Sewerage Digestant

*Sewer digestant with enzymes*

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.

### Uses:

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

### Effective Against

- Odor
- Digests waste
- Grease
- Reduces sludge

### Features and Benefits

- Attack, liquefy and remove grease, fat and oil faster
- Contains both anaerobic (can live in airless environments) and facultative (can live with or without oxygen) bacteria
- Bacteria are in spore form for extended shelf life
- Contains vitamins to enhance bacterial growth

### Properties

| | |
|---|---|
| Appearance..... | Powder |
| Fragrance ..... | Yeast-Like |
| Colony count ..... | 1 Billion / Gram |
| Environmentally safe…….... | Yes |
| Breaks down fats and grease..... | Lipase |
| Breaks down proteins..... | Protease |
| Breaks down cellulose..... | Cellulase |
| Breaks down carbohydrates and starches..... | Amylase |

### Directions: Complete directions on product label

Activate the bacteria and enzymes in warm water before using.
Trickling Filter - Initial Treatment 6-12 lb per MGD. Maintenance Treatment 3-6 lb per MGD weekly.
Oxidation tanks - Initial Treatment: 3-6 pounds per MGD of liquid sewage.
Aerobic and Anaerobic Digesters: 2 pounds per 1000 cubic feet sludge weekly.
Laterals 1 pounds per 500 cubic feet for 8-inch pipe.

### Authorizations

USDA L2: Enzymatic compounds for use in sewer and/or drain lines

| Active Ingredients | 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 |

### DOT Shipping (ground transportation)

| | |
|---|---|
| Proper Shipping Name: | None |
| Class: | None |
| ID Number: | None |
| Package Group: | None |

### Safety

Caution: May irritate eyes. Keep out of the reach of children.