

NFPA® RATINGS: Health: 0; Flammability: 0; Reactivity: 0.

CONTAINS/CAS NUMBER:

Sodium Chloride/7647-14-5; Yeast Culture/None; Sodium Bicarbonate/144-55-8; Viable Bacteria Culture/None; Yellow Prussiate of Soda/73601-19-9.

DISPOSAL: Offer empty container for recycling. If recycling is not available, discard container in trash.

TOTAL SOLUTIONS®

BACTERIAL/ENZYME DIGESTANTS

BIO-PAKS™

All Purpose Digestant

- ALL NATURAL - SAFE TO USE
- BREAKS DOWN PROTEINS, STARCHES, CARBOHYDRATES, FOODS, OILS AND PAPER
- ELIMINATES ODORS
- SALMONELLA FREE

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS:

☐ 50 x 0.25 lbs. ☐ 25 x 1.0 lbs.

Manufactured By: Total Solutions®
PO Box 240014 • Milwaukee, WI 53224
1-800-743-6417 • athea.com



Please Recycle.

For industrial and commercial use only.
For additional information, see Safety Data Sheet

DESCRIPTION: Simply grab and toss... no dilution, measuring, mixing, special equipment or cleanup! Packaged in resealable airtight pails for easy storage and handling.

Portion controlled for simplified application.

Rapidly dissolving packet and unique micro-nutrient enriched carrier provide accelerated germination, growth and superior enzyme production while reducing odor, BOD, COD, suspended solids, turbidity and ammonia concentrations. Scientifically selected aerobic and facultative anaerobic bacteria provide outstanding performance, even in low oxygen environments. Stable bacteria spores enhance shelf life and guarantee microbial concentration. Spore-form allows it to resist chlorine, disinfectants, and high water temperatures.

This product utilizes the powerful waste digesting abilities of special bacteria and natural enzymes. It is a blend of bacillus bacteria strains cultured for their ability to digest organic waste – quickly, efficiently and without odors! These strains will work both in the presence of oxygen (aerobic digestion) and in the absence of oxygen (anaerobic digestion). The natural enzymes quickly break down proteins, starch, carbohydrates, animal and vegetable fats & oils, and paper for the most effective waste digestion.

Regular use of this product will establish thriving colonies of these waste-digesting bacteria to provide uninterrupted cleaning action in drains, plumbing and septic systems. This continuous digestion prevents accumulation of sludge, scum, grease and all other organic solids. It unclogs drains for full flow and reduced odors. In septic systems, it will eliminate solids carry-over and odors, and reduce the frequency of pump-outs. It introduces micro-organisms into the soil for improved drainage and smooth operations of drain fields or leach beds.

For use in food processing and municipal wastewater treatment facilities; animal waste pits, lagoons and storage tanks; septic and holding tanks, leach beds and lift stations; aquaculture confinements; portable and pit toilets, boats and RV's; and ornamental ponds and fountains.

DIRECTIONS: The best results are obtained by adding the digestant at the end of the day or other period of lowest flow. To prevent loosened debris from causing obstructions, always begin the treatment program by treating the lower floors first. Disinfectants and harsh drain openers may kill the bacteria. Allow several hours after the use of these products, then re-treat with digestant.

Grease Traps: For initial treatment, use 1 pound for every 20 cubic feet (150 gallons) of trap capacity. Repeat this initial treatment for three weeks. Maintain the grease trap with 1/2 pound every week for every 40 cubic feet (300 gallons) of trap capacity.

Septic Systems: Use 1 pound for every 1,000 gallons of system capacity (or 1 pound per 5 people using the system) as an initial treatment. Adding directly to the septic tank is ideal. For maintenance, flush 1/4 pound into toilet each month. NOTE: To keep drain fields and leach beds operating properly, dissolve 1 pound into the distribution box. Repeat this treatment weekly until flow is improved.

Pit Toilets: To reduce odors, increase capacity and liquefy solids in pit toilets, use 1 pound per 1,000 gallons of capacity. Make the addition of these packets weekly. NOTE: Discontinue the use of formaldehyde preservatives or disinfectants in these toilets.

Trickling Filters: Use an initial treatment of 6 to 12 pounds per million gallons of daily flow. Repeat this treatment after 48 hours. For maintenance, use 3 to 6 pounds weekly per million gallons of daily flow.

Lagoons: To reduce odors, sludge build-up and improve clarification, use 1 to 2 pounds weekly per 50,000 gallons of lagoon capacity. Add the packets over a water-flooded area so they can dissolve or add directly through a wet well.

Aerobic or Anaerobic Digesters: Use 2 pounds per week for every 1,000 cubic feet (7,500 gallons) of capacity. When a heavy scum blanket or grease layer is present, double the treatment amount.

Wet Wells, Lifts Stations, Sewer Mains and Laterals: Add 1 to 2 pounds per 500 cubic feet (3,750 gallons) directly into wet well or lift station. Treat laterals during periods of low flow. For every 500 feet of length, use 1 pound per 8 inches of pipe diameter.

Lateral Diameter	Pounds per 500 Feet
8 inches	1 pound
16 inches	2 pounds
24 inches	3 pounds

Hog or Cattle Manure Pits: Use 1 to 3 pounds per 100 animals, or 5 pounds per 10,000 gallons of liquid in the pit. Be sure to add the packets to a water flooded area so they can dissolve and release the bacterial spores.

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