

TECHNICAL Data Sheet

Wastewater Treat (WT)



environmental products for a greener planet

Key Benefits

- Targets BOD, COD, TSS, and complex organic pollutants for efficient treatment under variable load and flow
- Reduces sludge accumulation and lowers aeration energy demand
- Enhances floc formation and settling for improved solids separation
- Controls odors caused by hydrogen sulfide, ammonia, odor-causing mercaptans, and volatile fatty acids
- Produces enzymes that rapidly degrade fats, proteins, and cellulose
- Available in powder, liquid, block, and tablet formats for versatile dosing

Applications

- Wastewater Treatment Plants
- Lift Stations
- Anaerobic Digesters
- Sludge & Holding Tanks
- Waste Lagoons

Concentration (CFU/g):

- Powder: 2, 50, 100 billion CFU/g dry powder
- Liquid: 13.5 billion CFU/ml liquid
- Blocks: 4 billion CFU/g
- Tabs: 2 billion CFU/g

Custom concentrations available upon request



Product Description

Wastewater Treat (WT) is a professional-grade blend of wastewater treatment bacteria for municipal, industrial, and agricultural systems. This spore-based, high-CFU formula targets BOD, COD, TSS, sludge, and odor reduction. By enhancing WWTP bioaugmentation, WT stabilizes operations in both aerobic and anaerobic environments. It provides reliable biological wastewater treatment that helps facilities maintain compliance while reducing operating costs.

Packaging Options

- Powder: Supplied in
 - 22 lb (10 kg) pails
 - 44 lb (20 kg) pails
 - 340 lb (155 kg) drums
- Liquid: Available in
 - Quart, liter, gallon containers
 - 55-gallon (208 liter) drums
- Blocks: Packed in cases of 4
- Tablets: Packed in cases of 12 or in pails

Shelf Life & Storage

- 2 years at room temperature
- 3 years refrigerated
- Store in a cool, dry location away from direct sunlight.
- Reseal container tightly after each use.

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Application Guidelines

	Range	Optimal
pH Range	5.0 – 9.5	6.0 – 8.0
Temperature	45°F – 120°F (7°C – 49°C)	59°F – 104°F (15°C – 40°C)

Application Rates

Powder

PPM	Grams per million L/day	Grams per million gal/day	Notes
0.04	40	150	Starting Dose
0.08	80	300	After 2 weeks

Liquid

PPM	ml per million L/day	ml per million gal/day	Notes
0.04	150	570	Starting Dose
0.08	300	1140	After 2 weeks

Blocks

One 900g (2lb) block typically treats ~1,500m³ (1.5 million liters) of water and slowly dissolves over ~30 days. Dissolve rate fluctuates with water temperature and flow rate.

Tabs

One 85g (3oz) tab typically treats ~150m³ (150,000 liters) of water and slowly dissolves over ~30 days. Dissolve rate fluctuates with water temperature and flow rate.

Fast-Dissolve Tabs

Fast-dissolve tablets dissolve within 1 hour. Available in multiple sizes (5g, 28g, 130g).

Bio-Based Cleaners

Usage rates vary. Reference dose is 0.75 - 1.5 grams of 50B powder per liter of ready-to-use product / 2.75 - 5.5 grams of 50B powder per gallon of ready-to-use product.

Disclaimer: Results may vary depending on environmental conditions, application rates, and management practices. The manufacturer makes no guarantee of specific results. Seller's liability is limited to replacement of product or refund of purchase price. Manufacturer is not responsible for misuse, mishandling, or application under adverse conditions beyond its control. This product is not registered for pesticidal use with the U.S. Environmental Protection Agency. It is intended as a soil amendment / microbial inoculant only. Keep out of reach of children.

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