

TECHNICAL

Data Sheet

Grease Treat (GT)



environmental products for a greener planet

Key Benefits

- Enhances FOG Digestion: High lipase, esterase, and biosurfactant activity accelerate fats, oils, and grease breakdown.
- Reduces Odors: Eliminates volatile fatty acids, hydrogen sulfide, mercaptans, and ammonia at the source.
- Improves Operations: Stabilizes organic conversion, strengthens floc formation, and boosts resilience during load swings.
- Cuts Costs: Lowers aeration demand, reduces sludge yield, and decreases chemical use.
- Performs in Harsh Conditions: Facultative anaerobes thrive in low-pH, high-FOG grease trap and lift station environments.

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: Cases of 4
- Tablets: Cases of 12

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

Grease Treat (GT) is a professional-grade microbial blend designed for reliable fats, oils, and grease (FOG) removal in grease traps, lift stations, and wastewater systems. It contains high-CFU facultative anaerobic bacteria that thrive in low-pH, high-FOG environments where conventional wastewater microbes lose effectiveness.

GT strains are selected for high lipase and esterase activity and strong biosurfactant production, ensuring superior emulsification and faster FOG digestion. The formulation also digests volatile fatty acids (VFAs), reducing odors and limiting the food supply that drives hydrogen sulfide (H_2S) and corrosion. These specialized microbes deliver consistent performance across food service, municipal, and industrial wastewater systems.

Applications

- Wastewater Treatment Plants
- Lift Stations
- Grease Traps
- Pipes

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 - 120°F (7-49°C)	59 - 104°F (15-40°C)

Application Rates

Grease Trap Dosing Guide

Grease Trap Volume	Initial 3 Days	Ongoing Daily Does (Range)
Up to 500 gal (Up to 2,000 L)	5 g/day	1-2 g/day
500-1,000 gal (2,000-4,000 L)	10 g/day	2-4 g/day
1,000-2,000 gal (4,000-8,000 L)	20 g/day	4-9 g/day
2,000-4,000 gal (8,000-15,000 L)	40 g/day	9-15 g/day
4,000-5,000 gal (15,000-20,000 L)	65 g/day	15-22 g/day

Notes: 1) best to start treatment after a clean out has occurred 2) apply product to furthest upstream location of the challenged location during periods of low flow 3) avoid dosing when hot water and sanitizer lines are in use 4) for high loading or if considerably fouled before treatment start, consider higher than recommended dosing.

Grease Interceptors

Use 4X the grease trap dosages listed above.

Wastewater Treatment (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

Wastewater Treatment (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.

Bio-Based Cleaners and Degreasers

Usage rates vary. Reference dose:

- 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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