TECHNICAL
Data Sheet

Ammonia Treat (AM)

BIO·GREEN PLANET®
environmental products for a greener planet

Key Benefits

- Reduces Ammonia Fast: lowers ammonia (NH_3/NH_4^+), nitrite, and nitrate for improved effluent quality
- Supports Nitrogen Removal: boosts biological denitrification and supports existing nitrification performance
- Lowers BOD, COD & Sludge: decreases nutrient load, improves treatment capacity, and accelerates organic conversion
- Improves Solids Separation: supports stable floc formation and settling for clearer effluent
- Controls Odors: mitigates ammonia, hydrogen sulfide, mercaptans, and other odor-causing compounds
- Performs Across Conditions: reliable in aerobic and anaerobic environments across wide pH and temperature ranges

Product Description

Ammonia Treat (AM) is a multi-strain Bacillus product formulated for efficient ammonia removal in wastewater treatment systems. It contains high-CFU ammonia reducing bacteria for wastewater that target ammonia and related nitrogen compounds. AM contains both hyper-ammonia-utilizing and denitrifying bacteria for faster, more reliable biological ammonia removal than conventional wastewater blends.

AM lowers operational cost while helping facilities meet effluent ammonia compliance and permit limits. Beyond reducing ammonia in effluent, AM is also effective for animal waste systems, aquaculture (TAN control), and odor management in waste-handling operations.

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

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

Applications

- Wastewater Treatment Plants
- Waste Lagoons
- Landfills
- Zoos

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

Bio-Based Odor Neutralizers

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.

Contact Information

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