EU1000
Ammonia Reduction Solution

Efficient Ammonia Removal

EU1000 is a liquid formulation containing Nitrosomonas and Nitrobacter bacteria, designed to rapidly convert ammonia (NH_3) to nitrite (NO_2^-) and nitrate (NO_3^-) in aerobic wastewater treatment systems.

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Specifications

Form: Liquid
Colour: Pale Pink
Specific Gravity: 1.0

Contents
Selected nitrifying bacteria suspended in a liquid stabiliser/buffer

Storage Conditions:
Use within 7 days.
Store in cool, dry place and do not freeze.

When used as directed, EU1000 is safe for humans, aquatic life, and the environment. The product is biodegradable and facilitates sustainable ammonia removal.

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Key Benefits

- ✅ Fast nitrification in new and seasonal wastewater systems
- ✅ Maintains nitrification in short sludge age systems
- ✅ Rapid recovery of lost nitrification capacity
- ✅ Supports percolating filters under high organic loads

Nitrification Process & Optimal Conditions

Nitrifying bacteria, unlike heterotrophic bacteria, do not form spores and have slow reproduction rates (15–18 hours). Their efficiency depends on temperature, pH, and oxygen availability.

Optimal Conditions for Ammonia Removal

Temperature:	18ºC (tolerant down to 6ºC)
pH:	7.6 – 8.4
Dissolved Oxygen(DO):	Above 2.0 mg/L

Monitor DO levels after 48 hours and adjust airflow if needed. pH below 7.0 affects performance and may require buffering with BioBuff.

Packaging

Packaging: 5L, 20L poly packs

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