

# Ammonia Reducer NS



## Industrial/municipal ammonia reduction

Ammonia Reducer NS is specially formulated with a proprietary blend of nitrifying microorganisms to provide a consistent seed of both types of nitrifiers for ammonia conversion. Selected strains of both Nitrosomonas spp. and Nitrobacter spp. are packaged at high concentrations to allow for the rapid reseedling of systems with ammonia issues.

Applications: Treatment plants: Activated sludge systems, Trickling filter and rotating biological contactors, Lagoon systems and holding ponds, Industrial waste high in Nitrogen including farm and cleaning wastes

## Features

- Accelerates the establishment of nitrification in newly commissioned or seasonally operated plants
- Assists in the maintenance of satisfactory nitrification in plants with a history of inconsistent performance
- Provides a reseedling mechanism
- Reseeds when adverse biochemical conditions limit or stop nitrification
- Avoids fines and surcharges for non-compliant effluent ammonia

## Available In

**1- 1.2 Gal. Bottle F-Style Item #ARL101G10**

**1- 16 oz. F-Style Bottle Item #ARL101FG1**

## Directions for Use

Shake before use. Convert influent flow from gallons to pounds by multiplying by 8.34 (For example, if the flow is 500,000 gpd, that is approx. 4.2 million pounds).

Multiply this value (millions of pounds) by 3 (parts per million) and this will yield the amount of product needed in pounds (For example,  $4.2 \times 3 = 12.6$  lbs).

Permissible pH range (95%) 7.2-9.5

Permissible Temp (95%) 60-95°F

Optimum Temp 85°F

DO level at peak flow >1.0 mg/L

Heavy Metals <5 mg/L

Toxic Organics:

Halogenated Solvents 0 mg/L

Phenol Cresol <20 mg/L

Cyanides <20 mg/L

Oxygen Requirements 4.5 lb O<sub>2</sub>/lb NH<sub>3</sub>-N

## Tech Specs

Bacteria Count	n/a
Bacterial Type	Non-pathogenic microbes
DSL	No
Color	Brown to Pink
Fragrance	Characteristic
Gram Negatives	Not present
pH	6 - 9.5
Temperature Range	16 - 35 Celsius
Warranty	1 month (unopened)
Storage Temperature	1 - 5 Celsius
Storage Humidity	30 - 60