



# MICROPLEX<sup>®</sup> N/Nc Enhancing Nature's Science

## Product Characteristics

### Derived From:

*Nitrosomonas* and *Nitrobacter* microbial strains.

### Physical Properties:

Appearance: Light pink to red.

Form: Liquid

Weight: 8.4 lb/gal, 1.0 kg/L

pH: 6–8

Freezing Point: 32°F

### Notes:

Microplex<sup>®</sup> Nc is a concentrate that must be kept refrigerated and used within 6 months of receipt.

### Caution:

Keep out of reach of children.  
Harmful if swallowed.

### Storage and Disposal:

Keep product in original container. Do Not Freeze.  
Do not transfer into food or drink containers.  
Wash with soap and triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

### Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, and other factors are beyond the control of the seller.

## For Nitrification of Wastewater in Aeration Basins and Aerobic Digesters (Liquid)

MICROPLEX<sup>®</sup> N is a liquid suspension of preselected and adapted *Nitrosomonas* and *Nitrobacter* microbial strains, specifically chosen for their ability to nitrify ammonia. MICROPLEX<sup>®</sup> N is formulated to enhance the nitrification process under toxic, inhibitory, or cold weather conditions and, specifically, to reseed nitrifying systems and maintain the nitrification process. MICROPLEX<sup>®</sup> N has been developed for use in the chemical, food processing, petroleum refining, textile, and related industries, and for use in municipal plants receiving wastes containing ammonia.

MICROPLEX<sup>®</sup> Nc is a concentrate of MICROPLEX<sup>®</sup> N.

### Benefits of Use:

- Restores nitrifying capacity under toxic, inhibitory, or cold weather conditions
- Minimizes upsets in system
- Improves overall system performance

### Application Instructions:

SHAKE WELL BEFORE USING. Contents are highly concentrated. MICROPLEX<sup>®</sup> N can be applied to the aeration zone either directly into the wastewater flow or sprayed over the surface of the water within the aeration zone. Contact your local PROBIOTIC SOLUTIONS<sup>®</sup> representative for dosing rates and recommended application.

Dosing is dependent on both wastewater flow and concentration; therefore, a range of potential doses is provided. MICROPLEX<sup>®</sup> N should be applied directly to the wastewater flow.

### MICROPLEX<sup>®</sup> N Application Rates:

APPLICATION	Minimum Dose per MGD; (1,000 m <sup>3</sup> /day)	Maximum Dose per MGD; (1,000 m <sup>3</sup> /day)
Normal/Maintenance	up to 2.5 gal; (2.5 L)	up to 30 gal; (30.0 L)
Start-Up/Upset	up to 4.0 gal; (4.0 L)	up to 60 gal; (60.0 L)
Severe Upset	up to 8.0 gal; (8.0 L)	up to 90 gal; (90.0 L)

### MICROPLEX<sup>®</sup> Nc Application Rates:

APPLICATION	Minimum Dose per MGD; (1,000 m <sup>3</sup> /day)	Maximum Dose per MGD; (1,000 m <sup>3</sup> /day)
Normal/Maintenance	up to 2 lbs; (0.25 kg)	up to 5 lbs; (0.65 kg)
Start-Up/Upset	up to 20 lbs; (2.5 kg)	up to 30 lbs; (3.5 kg)
Severe Upset	up to 30 lbs; (3.5 kg)	up to 50 lbs; (6.0 kg)