MicroPlex® DN

Product Characteristics

Derived From:
Facultative anaerobic microbial strains.

Physical Properties:
Appearance: Beige
Form: Granular powder
Nominal Microbe Count:
Formulated to contain > 3 x 10^9/gram
Shelf Life: 2 Years
Packaging: 25 lb (11.3 kg) plastic pails,
220 lb (100 kg) fiber drums

Caution:
Avoid inhalation of dry powder or liquid mist. Avoid exposing skin to dry powder or strong solution as irritation may result. If material contacts skin or eyes, flush thoroughly and repeatedly with water.

Storage and Disposal:
Keep product in original container. Store in dry area at 45°F to 105°F (7°C to 40°C). 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 more info on this product:

For Denitrification of Wastewater in Anoxic Basins and Anaerobic Digesters (Dry)

Huma® MicroPlex® DN is a dry powder of preselected and adapted facultative anaerobic microbial strains, specifically chosen for their ability to reduce Nitrates (NO_3) and Nitrites (NO_2). Microplex® DN is formulated to enhance the denitrification process under toxic, inhibitory, or cold weather conditions and specifically to reseed denitrifying systems and maintain the denitrification process. MicroPlex® DN 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 oxidized nitrogen.

Benefits of Use:

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

Application:
Contents are highly concentrated. MicroPlex® DN can be applied to the anoxic or anaerobic zone, either directly into the wastewater flow or broadcast over the surface of the water within the anoxic or anaerobic zone. Contact your local Huma® 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® DN should be applied directly to the wastewater flow.

APPLICATION	Minimum Dose per MGD (1,000 m^3/day)	Maximum Dose per MGD (1,000 m^3/day)
Normal/Maintenance	1 lb; (0.5 kg)	up to 4 lb; (1.8 kg)
Start-Up/Upset	up to 15 lb; (7 kg)	Up to 30 lbs; (14 kg)
Severe Upset	up to 25 lb; (11 kg)	up to 50 lb; (23 kg)

Conditions	Ranges	Optimum
Dissolved Oxygen, ppm	0–0.5	0.5
pH	6–9	7
Temperature °F (°C)	50–104 (10–40)	95 (35)
Toxic Heavy Metals, ppm	Trace	None

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HE-230202-16

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