



MICROPLEX® JS

Enhancing
Nature's Science

Product Characteristics

Parts A and B Derived From:

Bacillus subtilis, *Arthrobacter sp (x2)*, *Bacillus licheniformis*, *Arthrobacter paraffineus*, *Bacillus megaterium*, *Bacillus cereus*.

Physical Properties:

Appearance: Tan
Form: Liquid
Packaging: Two 50-mL vials
pH: 6.8–7.2
Freezing Point: 32°F

Note:

Must keep refrigerated. Use 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. 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 Wastewater Treatment in Lagoons, Aeration Basins, Digesters, and Sludge Holding Tanks (Liquid)

MICROPLEX® JS is a two-part formulation of a live synergistic blend of natural, Class I bacteria, specifically chosen for their ability to rapidly degrade solids, fats, lipids, proteins, detergents, hydrocarbons, and other compounds. MICROPLEX® JS is formulated to help inoculate new or recovering wastewater systems, as well as maintain the existing microbial ecosystem to increase bio-oxidation capacity. MICROPLEX® JS reduces sludge build-up, lowers BOD/COD, reduces FOG, and solves odor concerns in an affordable manner.

Benefits of Use:

- Reduces noxious odors
- Degrades fats and greases
- Inoculate a new plant
- Reduces sludge build-up
- Minimizes upsets in system
- Recover a plant after an upset
- An economical alternative to mechanical sludge removal
- Lowers sludge dewatering and hauling costs

Application Instructions:

SHAKE WELL BEFORE USING. Contents are highly concentrated. Mix the two 50-mL vials (Part A and Part B) with water to make 50 gallons (190 liters) of product that can then be applied directly into the flow or applied by spray. Contact your local PROBIOTIC SOLUTIONS® representative for dosing rates and recommended application.

Dosing is dependent on both flow and concentration of BOD; therefore, a range of potential doses is provided. The typical initial inoculation dose is equivalent to one month recommended dosing for the flow and concentration of the wastewater.

FLOW RANGE gpd, (m ³ /d)	Minimum Dose (gpd/lpd)	Maximum Dose (gpd/lpd)
up to 10,000, (100)	0.15 gal or 20.5 ounces, (1.0 L)	1.8 gal, (7.5 L)
10,001 to 100,000, (100 to 1,000)	0.5 gal, (2.5 L)	5.0 gal, (50.0 L)
100,001 to 1,000,000, (1,001 to 10,000)	5.0 gal, (50.0 L)	50.0 gal, (500.0 L)