



MICROPLEX[®] LM

Enhancing
Nature's Science

Product Characteristics

Derived From:

Non-pathogenic, preselected, adapted microorganisms, surfactants, buffers, and enzymes.

Physical Properties:

Appearance: Tan
Form: Granular Powder
Nominal Microbe Count: Formulated to contain > 3 x 10⁹/gram
Shelf Life: 2 years when properly stored
Packaging: 25 lb (11.3 kg) plastic drums / 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:

Store in dry area at 45°F to 105°F (7°C to 40°C).
Do Not Freeze.

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.

Deodorizer/Liquefier Bioformula for Animal Wastes (Dry)

MICROPLEX[®] LM is a synergistic blend of preselected, adapted microorganisms for liquefying and deodorizing animal droppings. MICROPLEX[®] LM contains enzymes and additional synergistic ingredients for improving the quality and utility of reusable animal waste residues (manure)—enhancing its fertilizer value.

Accumulated animal droppings tend to solidify and decompose in storage pits and lagoons, making transport and reuse more expensive and time consuming. MICROPLEX[®] LM is formulated to liquefy and deodorize animal droppings, simplifying their use and improving their effectiveness. Animal droppings are an important potential source of nitrogen for plant growth. However, many of the nitrogen-bearing compounds in manure are volatile and odor-causing agents when manure is pumped. MICROPLEX[®] LM is formulated to help retain the nitrogen in the manure and, thereby, enhance its fertilizer value.

Application Instructions:

MICROPLEX[®] LM should be mixed with water and then sprayed over or sprinkled directly into the manure pit with mixing, or poured directly into the flow of water entering the lagoon. To break up a crust on a pit, use Crust Removal Application amount once per week, two weeks prior to pumping, and agitate the pit after each application. Your Probiotic Solutions[®] representative will prepare an application schedule tailored to your waste-management program. A general range of potential doses is provided below.

APPLICATION	Manure Pit Dosing per 10,000 gal of pit volume; (per 100.0 m ³ /day)	Lagoon Dosing per MGD; (per 1,000 m ³ /day)
Normal/Maintenance	0.5 lb/week; (0.5 kg/week)	up to 25 lb/week; (3.0 kg/week)
Start-Up/Crust Removal	5 lb at once (per week); (5.75 kg at once per week)	up to 100 lb/week; (12.0 kg/week)

For best results, apply this product under the following conditions:

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

If your system is operating outside of these ranges, contact your Probiotic Solutions[®] representative for a complete system survey and recommendations.