

Animal Manure Deodorizing/Liquifying Bioformula

■ **DESCRIPTION:**

MicroAktiv® -DL is a synergistic blend of preselected, adapted microorganisms for deodorizing and liquefying animal droppings. **MicroAktiv® -DL** contains enzymes and additional synergistic ingredients for improving the quality and utility of reusable animal waste residues.



■ **APPLICATIONS:**



Accumulated animal droppings tend to solidify and decompose in storage pits, making transport and reuse expensive, difficult and messy. **MicroAktiv® -DL** is formulated to liquefy and deodorize animal droppings, making reuse easier, cheaper and more pleasant. Animal droppings are an important potential source of nitrogen for plant growth. Many of the nitrogen-bearing compounds in manure are volatile, however. They tend to escape to the atmosphere as odor-causing agents when manure is pumped. **MicroAktiv® -DL** is formulated to help retain these nitrogen values in the manure and thus enhance its fertilizer value.

■ **PRODUCT CHARACTERISTICS:**

Appearance	Tan, granular powder
Contents	Preselected, adapted microorganisms, surfactants, buffers and enzymes
Nominal Microbe Count	>3 x 10 ⁹ /gram
Shelf Life	Two Years when properly stored
Packaging	11.3 Kg plastic drums / 100 Kg fiber drums



■ **APPLICATION PROGRAMS:**

In general, **MicroAktiv® -DL** is mixed with water and sprayed over the manure heap or directly into the manure pit while mixing the manure. The following dosing guidelines apply:

MANURE CELLARS/ PITS / LAKES:

Mix the product in equal weight of warm water (1 kg of product in 1 liter of water). After emptying the cellar/pit/lake, start with 2 kg/30 m³ cellar/pit/lake volume, maintenance dose of 0.25 kg/30 m³ manure.

TO BREAK CRUSTS:

- (A) Add 2 Kg/30 m³ cellar/pit volume 2 weeks before pumping;
- (B) Mix the contents of the cellar/pit;
- (C) Repeat (A) and (B) 1 week before pumping;
- (D) Keep moist

Your **MicroAktiv®** Technical Representative will prepare an application schedule tailored to your waste management program.

■ **OPTIMAL APPLICATION CONDITIONS**

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

CONDITION	RANGE	OPTIMUM
Dissolved Oxygen, ppm	0 - 0.5	0.5
pH	6 - 9	7
Temperature, ° C	10 - 40	35
Toxic Heavy Metals, ppm	Trace	None

If your system is operating outside these ranges, contact your **MicroAktiv®** for a complete system survey and recommendations.

■ **STORAGE AND HANDLING:**

Storage	7° - 40° C (45° - 105° F) Dry conditions; DO NOT FREEZE
Handling	<p style="text-align: center;">CAUTION</p> <p>The product contains class 1 microbes, defined by the EEC Directive 2000/54, which are unlikely to cause disease in healthy humans and animals. However, individuals with compromised immune systems or a history of severe allergic reactions/reactions should avoid contact with open wounds and/or inhalation of dust or mist from product handling or manufacturing process.</p> <p>EUH208: Contains protease and amylase. May cause an allergic reaction.</p>

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