



Product Characteristics

Derived From:

Non-pathogenic, preselected, adapted microorganisms and ancillary enzymes.

Physical Properties:

Appearance: Beige

Form: Granular powder

Nominal Microbe Count:

Formulated to contain > 3 x 10⁹/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:



Bioformula for Pulp and Paper Facultative Lagoons and Ponds (Dry)

Huma[®] MicroPlex[®] FLP is a synergistic blend of preselected, adapted microorganisms and enzymes for use in facultative lagoons and ponds receiving municipal, commercial, industrial (pulp and paper), food-processing, and/or dairy waste. MicroPlex[®] FLP is formulated with natural enzymes, surfactants, and microbes to enhance plant operations, reduce solids and odors.

MicroPlex[®] FLP contains a combination of enzymes and aerobic and facultative anaerobic microorganisms selected from nature for their ability to break down a broad range of substances encountered in pulping and paper-making wastes. These include lignins, cellulosics, sizes, surfactants, fibrous solids, and other wastes.

Application:

In general, MicroPlex[®] FLP is applied directly to the lagoon or pond on a regular, preventive maintenance basis. Application programs range from 1 lb (0.45 kg) per million gallons per day (MGD) (3,785 m³/day) for maintenance up to 50 lbs (22.7 kg) per MGD (3,785 m³/day) for upset recovery. Your Huma[®] representative will provide you with a custom-tailored application program to fit the specific needs of your treatment system. A general range of potential doses is provided below.

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