



Bioscience, Inc.
Environmental Products & Services
ISO 9001:2015 Certified

MICROCAT[®]-AL (and ALN) Pond and Lake Treatment



Description

MICROCAT-AL Bioformula for Pond and Lake Treatment is a synergistic blend of preselected, adapted microorganisms for use in maintaining the clarity in water bodies including lakes, fish farms, facultative lagoons, polishing ponds, etc. and in other slow-moving water channels. It is not recommended for controlling slime buildup on surfaces or for controlling plants and weeds in still or stagnant water bodies. **MICROCAT-AL** is available in various forms suited to a wide variety of applications for suspended solids. **MICROCAT – ALN** is formulated for stringy solids.

Applications

Treatment systems handling municipal, commercial, fish farming, industrial and food processing wastes from time to time encounter difficulties in achieving desired effluent quality (especially due to excess suspended solids). This is especially true in sunny, warm climates. **MICROCAT-AL** is formulated with natural microbes and flocculant aids for pond and lake maintenance. **MICROCAT-AL** contains a combination of aerobic and facultative anaerobic microorganisms selected from nature for their ability to maintain clarity in used waters and to prompt settling of solids in slow moving, shallow water bodies.

WARNING: Do not apply in water features with extensive green growth on rock surfaces

Product Characteristics

Appearance	Light beige, granular powder
Contents	Natural, preselected, adapted microorganisms and flocculant aids
Nominal Microbe Count	Formulated to contain $>3 \times 10^9$ /gram
Shelf Life	Two Years
Packaging	25 Lb (11.3 Kg) plastic pails/ 220 Lb (100 Kg) fiber drums

Application Programs

In general, **MICROCAT-AL** is applied directly to the water body on a regular, preventive maintenance basis for controlling finely divided suspended solids. It is not recommended for controlling slime layers on surfaces or for weeds and/or plants in still or stagnant pools. Application programs range from about 25 pounds (11.3 Kg) per MGD (3785 m³ /day) per day for quick system recovery to one pound (0.45 Kg) per MGD (3785 m³ /day) per day for prevention. Your Bioscience, Inc. Technical Representative will provide you with a custom-tailored application program at your request.

Optimal Application Conditions

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

CONDITION	RANGE	OPTIMUM
Dissolved Oxygen, ppm	0 to Saturation	0.5+
pH	6 - 9	7
Temperature, ° C	10 - 40	35
Toxic Heavy Metals, ppm	Trace	Trace

If your system is operating outside these ranges, contact your Bioscience, Inc. Technical Representative for a complete system survey and recommendations.

Storage and Handling

Storage	45° - 105° F (7° - 40° C) Dry conditions; DO NOT FREEZE.
Handling	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.

MICROCAT® is a registered trademark of Bioscience, Inc.

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The information contained in this data sheet is a guide to the use of **MICROCAT** products and is based on test and information believed to be reliable. Product content and specifications are subject to change without notice. All information is given to and accepted by user at user's risk and confirmation of its validity and suitability to particular cases should be obtained independently. Bioscience, Inc. makes no guarantee of results and assumes no obligation or liability in connection with the information contained herein. Bioscience, Inc. does not warrant against infringement of, and this data sheet is not to be construed as a license to operate under, any patents.

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