



Bioscience, Inc.

Environmental Products & Services

ISO 9001:2015 Certified

## MICROCAT®-SXMRF

Grease and Fat Bioformula  
for Wastewater Treatment Plants and Sewer Systems



### Description

**MICROCAT-SXMRF** grease and fat bioformula is a synergistic blend of preselected, adapted microorganisms which break down and degrade fats, oils and greases (FOG).

It is formulated with grease and fat degraders for enhancement of plant operation and maintenance of free-flowing sewer lines and lift/pump stations. **MICROCAT-SXMRF** contains a combination of aerobic and facultative anaerobic microorganisms selected from nature for their ability to break down a broad range of substances encountered in domestic wastes and sludges (greases, fats, proteins and polysaccharides).

### Applications

**MICROCAT-SXMRF** grease and fat bioformula is used in collection systems, lift/pump stations, biological wastewater treatment plants, and aerobic and anaerobic sludge digesters.

### Product Characteristics

Appearance	Beige, fine powder
Contents	Preselected, adapted microorganisms
Nominal Microbe Count	Formulated to contain $>5 \times 10^9$ /gram
Shelf Life	Two years
Packaging	25 lb (11.3 Kg) pails 220 lb (100 Kg) fiber drums, *1/2 lb and 1lb packets available

## Application Programs

In general, **MICROCAT-SXMRF** Bioformula is applied on a regular preventive maintenance basis. Application programs range from about one pound per MGD per day to 25 pounds per MGD per day for upset recovery. Your Bioscience, Inc. Technical Representative will provide you with a custom-tailored application program to fit the specific needs of your treatment system.

## Optimal Application Conditions

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

CONDITION	RANGE	OPTIMUM
Dissolved Oxygen, ppm	0 - 2.5+	≥2.0
pH	6 - 9	7
Temperature, ° C	10 - 40	35
Toxic Heavy Metals, ppm	Trace	None
Nutrients: BOD: NH <sub>3</sub> -N BOD: PO <sub>4</sub> -P	10 : 1 - 20 : 1 100 : 1 - 200 : 1	20 : 1 100 : 1

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	<b>WARNING:</b> See Safety Data Sheet. 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.

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