

MICROCAT[®]-HX

Hydrocarbon Degrading Bioformula for Wastewater Plants



Description

MICROCAT-HX is a specialty blend of preselected, adapted microorganisms and specialized activated carbons for use in biological wastewater treatment plants. **MICROCAT-HX** contains a combination of aerobes and facultative anaerobes selected from nature for their ability to break down a broad range of man-made organic compounds. **MICROCAT-HX** also contains carefully selected powdered activated carbons for immobilizing low-level toxicants in the wastewater stream.

Applications

MICROCAT-HX is formulated for application in biological wastewater treating plants receiving industrial wastes. These plants, whether municipal or industrial, accept a wide range of organic chemicals, some of which are toxic and/or difficult to degrade. Such chemicals tend to pass through the system and/or cause system upsets resulting in poor effluent quality and increased cost of operations. **MICROCAT-HX** synergistically combines the adsorption and waste immobilization capacity of specialized powdered activated carbons with the enhanced biodegradation capability of preselected, adapted microbial strains. When used on a preventive maintenance basis, this combination can enhance the ongoing operations and improve overall system performance at reduced cost

Product Characteristics

Appearance	Black, granular powder
Contents	Specialized, preselected microbes and powdered activated carbon
Nominal Microbe Count	Formulated to contain 5×10^9 /gram
Shelf Life	Two Years

Packaging	25 Lb (11.3 Kg) plastic drums/ 220 Lb (100 Kg) fiber drums (one-pound water soluble packets)
-----------	---

Application Programs

In general, **MICROCAT-HX** is applied directly to the aeration zone of the waste treatment plant. Application programs range from about 30 pounds (13.6 Kg) per MGD (3785 m³/day) per day for upset recovery to one pound (6.45 Kg) per MGD (3785 m³/day) per day for preventive maintenance. Your Monera Technologies Corporation 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	0.5 - 2.5	2.0
pH	6 - 9	7
Temperature, ° C	10 - 40	35
Toxic Heavy Metals, ppm	Trace	None
Nutrients:		
BOD: NH ₃ -N	10 : 1 - 10 : 0.5	10 : 1
BOD: PO ₄ -P	100 : 1 - 100 : 0.5	100 : 1

If your system is operating outside these ranges, contact your Monera Technologies Corporation Technical Representative for a complete system survey and recommendations.

Storage and Handling

Storage	45° - 105° F (7° - 40° C) Dry conditions; DO NOT FREEZE. Do not moisten or open packets prior to use.
Handling	CAUTION: Active enzymes present. 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 Monera Technologies Corporation

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. Monera Technologies Corporation makes no guarantee of results and assumes no obligation or liability in connection with the information contained herein. Monera Technologies Corporation does not warrant against infringement of, and this data sheet is not to be construed as a license to operate under, any patents.