



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

## MICROCAT<sup>®</sup>-ECL

Natural Protein Cleaner/Deodorizer



### Description

**MICROCAT-ECL** is a liquid blend of natural proteins and surfactants for use in cleaning and deodorizing. It is formulated for use in a wide range of applications from food processing to wastewater treatment to enhance cleaning and removal of fats, oils, greases, starches, proteins, etc. and to suppressing the odors resulting from such compounds.

### Applications

#### Odor Control

Anaerobic microbial metabolism frequently results in odors caused by sulfur-bearing compounds. Such odors arise in food, textiles and waste treatment operations such as sludge handling, composting and in wastewater treatment, especially where oxygen is deficient. **MICROCAT-ECL** can help. Its balanced blend of natural proteins and surfactants will emulsify, remove and breakdown natural odor-causing materials and reduce odors. **MICROCAT-ECL** is particularly well suited to applications in primary treatment systems, sludge processing and handling systems, and anaerobic or facultative lagoons. Such systems are commonly found in meatpacking, food processing and municipal waste treatment.

#### Cleaning

Animal husbandry, food processing, meat processing, fish processing, textile and other related operations frequently produce wastes or greasy deposits on equipment, which must be cleaned and deodorized. **MICROCAT-ECL** offers all-natural high efficiency surface cleaning, stain removing and deodorizing capability. Proteinaceous and related substances are effectively removed for subsequent treatment. **MICROCAT-ECL** is non-toxic and fully compatible with downstream biological, physical and chemical treatment systems.

### Product Characteristics

Appearance	Brown, translucent, non-viscous liquid
Contents	Natural proteins, surfactants and preservatives
Shelf Life	One year
Packaging	Five / Fifty-five gallon (18.9 / 208.2 L) shielded plastic drums

## Application Programs

In general, **MICROCAT-ECL** is applied (or metered) as needed to waste wastewater, soil sewer line, primary treatment units or onto surfaces to be cleaned/deodorized. Your Bioscience, Inc. Technical Representative will provide you with a custom-tailored application program to fit your specific needs.

## Optimal Application Conditions

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

CONDITION	RANGE	OPTIMUM
pH	6 - 9	7
Temperature, ° C	10 - 40	35

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	55° - 120° F (13° - 49° C). Store indoors at room temperature. <b>DO NOT FREEZE.</b>
Handling	<b>CAUTION:</b> If accidental skin contact occurs wash affected area with soap and water. Do not ingest. Non-toxic, non-pathogenic, harmless to aquatic life.

MICROCAT® is a registered trademark of Bioscience, Inc.

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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