



Bioscience, Inc.

Environmental Products and Services

ISO 9001:2008 Certified

MICROCAT[®]-AD

Bioblend for Anaerobic Digestors



Description

MICROCAT-AD is a specialty blend of micronutrients, microbes, microbial growth enhancers and neutralizing agents for use in stimulating (and re-establishing, if necessary) biological activity in anaerobic systems, in general, and anaerobic sludge digesters in particular. **MICROCAT-AD** provides a unique, balanced blend of microbes, minerals and vitamins. It is formulated specifically for use in sour and inactive sludge digesters to restore activity and methane production.

Applications

Anaerobic sludge digesters from time to time suffer from a series of operating problems including:

1. **Sour Digestion Syndrome** -- caused by acid buildup with simultaneous slowing or cessation of gas production.
2. **Grease Blankets** -- caused by the buildup of insolubles on the surface of the digester.
3. **Nutrient Imbalance** -- caused by the lack of certain key micronutrients. This slows the sludge stabilization process.

MICROCAT-AD with its preselected microbes and other stimulants can help alleviate these problems by buffering pH swings, maintaining competent grease degrading microbial populations and furnishing a balanced nutrient package.

Product Characteristics

Appearance	Tan powder
Contents	Calcium buffering salts, preselected facultative anaerobes, organic and inorganic nutrients
Shelf Life	Five Years
Packaging	Twenty-five pound (11.3 Kg) plastic pails/220 Lb (100 Kg) fiber drums

Application Programs

MICROCAT-AD is mixed with warm water and applied at the rate of 0.5 to 5 pounds per 1000 gallons of digester or system volume. The amount and frequency of addition depend on the frequency and severity of the problem at hand. Specific application rates may be determined by treatability testing. Contact your Bioscience, Inc. Technical Representative to prepare a detailed, coordinated application program to fit your site remediation program.

Optimal Application Conditions

CONDITION	RANGE	OPTIMUM
pH	5 – 9	7
Temperature, °C	10 – 80	N/A

Storage and Handling

Storage	Dry conditions; DO NOT FREEZE.
Handling	CAUTION If accidental skin contact occurs, wash affected area thoroughly with soap and warm water.

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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