



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

MICROCAT[®]-PH

Buffering Compound for Bioremediation Programs



Description

MICROCAT-PH is a synergistic blend of buffering and neutralizing compounds used to buffer acid buildup in soil, sludge, and groundwater bioremediation programs. The ingredients in **MICROCAT-PH** are readily soluble in water and provide rapid response for acidified systems.

Applications

Bioremediation

In bioremediation, the biological breakdown of organics frequently results in the buildup of carboxylic acids. This, in turn, creates a rising pH condition which can shut down or slow down biological action. **MICROCAT-PH** is an excellent source of acid neutralizers to restore and maintain rapid biological action.

Nitrification

In nitrification of wastewater, **MICROCAT-PH** provides excellent alkalinity and buffering. The pH of nitrifying systems tends to decline due to the consumption of carbonate and the production of nitrate and nitrite ions in solution. **MICROCAT-PH** buffers the pH imbalance, restoring the system to stable operation.

Sour Digesters

MICROCAT-PH is also excellent for curing the "sour digester" syndrome in anaerobic processing of waste sludge.

Product Characteristics

Appearance	White, granular powder
Contents	Carbonate and bicarbonate salts
Shelf Life	Five Years
Packaging	25 Lb (11.3 Kg) plastic drums/220 Lb (100 Kg) fiber drums

Application Programs

In general, **MICROCAT-PH** is dissolved in water and added as a solution to the system or media being treated. Your Bioscience, Inc. Technical Representative will prepare a custom-tailored application schedule to meet the specific needs of your program.

Optimal Application Conditions

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

CONDITION	RANGE	OPTIMUM
pH	3 - 9	N/A
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	Dry conditions; DO NOT MOISTEN.
Handling	CAUTION: In case of skin contact, wash thoroughly with soap and 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.