

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 Monera Technologies Corporation 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 Monera Technologies Corporation 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.

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