



Bioscience, Inc.

Environmental Products & Services

ISO 9001:2015 Certified

MICROCAT[®]-NPN

Nutrient Blend for Biodegradation and Bioremediation Programs



Description

MICROCAT-NPN is a specialty blend of nitrogen and phosphorus salts and microbial growth enhancers for use in stimulating biological activity in soils and sludges. **MICROCAT-NPN** provides a unique, balanced blend of nitrogen and phosphorus for bioremediation programs. It is formulated specifically for use with **MICROCAT** microbial inocula, buffering agents and surfactants to enhance the rate and consistency of biological processing of soils, sludges and contaminated waters.

Applications

Both **in-situ** and **ex-situ** bioremediation of organic contaminants in soils and sludges are in common use. Each method provides a low-cost, easy route to the removal of organic contaminants. Contaminated soils and sludges are usually deficient in the nitrogen and phosphorus content necessary to stimulate and maintain microbial activity in the presence of significant organic contamination. **MICROCAT-NPN** makes up the deficiency with a mixture of environmentally compatible salts.

Product Characteristics

Appearance	White, prilled powder
Contents	Nitrogen and phosphorus salts (40% N; 2% P)
Shelf Life	Five Years
Packaging	25 Lb (11.3 Kg) plastic pails/220 Lb (100 Kg) fiber drums

Application Programs

MICROCAT-NPN is applied at the rate of approximately 25% to 45% by weight of the organic contaminant concentration in the soil. Your Bioscience, Inc. Technical Representative will prepare a detailed, coordinated application program to fit your site remediation program.

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	Dry conditions. Do not moisten.
Handling	CAUTION If accidental skin contact occurs, wash affected area 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.