



ISO 9001:2015 Certified

MICROCAT[®]-XRX

Ammonia Oxidizing Bioformula for Wastewater Treatment Plants



Description

MICROCAT-XRX is a microbial slurry of preselected, adapted nitrosomonas and nitrobacter microbial strains for use in biological wastewater treatment plants receiving wastes containing ammonia. **MICROCAT-XRX** is a gelatinous paste packaged in a unique plastic packet.

Applications

Under toxic and/or cold-weather conditions, the growth rate of natural nitrifying populations tends to slow appreciably, allowing ammonia to pass through the system. **MICROCAT-XRX** synergistically combines the capability of several natural ammonia-oxidizing microbial strains for reseeded nitrifying systems and enhancing performance under toxic, inhibitory or cold-weather conditions. When used on a preventive maintenance basis, **MICROCAT-XRX** can improve the consistency of ongoing nitrification and improve overall system performance. **MICROCAT-XRX** is formulated specifically for use by the chemical, food processing, petroleum refining, primary metals, textile and related industries and for use in municipal plants receiving wastes containing ammonia.

Product Characteristics

Appearance	Semi-viscous, gelatinous slurry
Contents	Specialized, preselected microorganisms
Packaging	Microcat-XRX is available in 1.0-unit and 5.0-unit packs

Application Programs

Activated Sludge - Add pre-activated **Microcat-XRX** slurry directly to the aeration basin about halfway between the influent and effluent.

Rotating Biological Contactors - Add pre-activated **Microcat-XRX** slurry directly to the second stage (nitrification zone) of the RBC.

Trickling Filters - If the trickling filter is operating with recirculation of the effluent, add the pre-activated **Microcat-XRX** slurry to the recirculation sump. If the trickling filter operates without recirculation, add the **Microcat-XRX** slurry to the influent well.

Optimal Application Conditions

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

Condition	Range	Optimum
Dissolved Oxygen, ppm	1.0-5.0	2.0
pH	6 - 9	7.0-8.0
Temperature, ° C	10-40	15-25

Storage and Handling

Storage	45° - 105° F (7° - 40° C) Dry conditions; DO NOT FREEZE.
Handling	CAUTION: Avoid inhalation of dry powder or liquid mist. Avoid exposing skin to dry powder or strong solution as irritation may result. If material contacts skin or eyes, flush thoroughly and repeatedly with water.

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. Monera Technologies Corporation makes no guarantee of results and assumes no obligation or liability in connection with the information contained herein. Monera Technologies Corporation 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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2201 Hangar Place, Suite 200 • Allentown, PA 18109 • (484) 245-5232 • Fax (484) 245-5236
Email: monera@moneratec.com Website: www.moneratec.com