BCP10™

Targeted Degrader for Phenols, Aromatics, & Surfactants

BCP10™ is a microbial bioaugmentation product developed for industrial wastewater containing difficult-to-degrade or inhibitory organic chemicals.

Its specialized microbial consortium supports the biological degradation of contaminant families including phenolic compounds, benzene-related and other aromatic compounds, surfactants, alcohols, and other persistent organic residues that may challenge conventional biological treatment.

BCP10™ helps improve biodegradability, supports BOD and COD reduction, and provides additional biological capacity in wastewater systems affected by difficult chemical contaminants.

Features & Benefits

- Targets difficult-to-degrade organic chemical contaminants
- Supports degradation of phenolic and aromatic compounds
- Supports degradation of surfactants and alcohol-containing residues
- Supports BOD and COD reduction
- Helps improve biodegradability of inhibitory industrial wastewater
- Supports biological treatment performance under challenging chemical loading
- Helps reduce chemical-related deposits and scum formation
- Provides additional microbial capacity for difficult industrial waste streams

Specifications

Color & Appearance	Beige powder with black granules
pH	6.0–7.0
Bacteria Count	5×10^9 CFU/g
Shelf Life	2 years



Storage

Store in a cool, dry location. Keep containers tightly closed, before and after opening, to prevent moisture absorption and exposure to direct sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation, eye contact, and prolonged skin contact. Wash hands thoroughly after handling.

Typical Applications

- Solvent recovery and processing wastewater
- Chemical manufacturing wastewater
- Industrial wastewater containing phenols or aromatic compounds
- Surfactant- and detergent-containing wastewater
- Wastewater containing alcohols and solvent-related residues
- Industrial streams with persistent or inhibitory organic chemicals
- Activated sludge systems treating specialty chemical wastewater
- Aerated and facultative lagoon systems receiving chemical contaminants
- Trickling filters and biological contactors treating industrial chemical streams

Directions for Use

DOSAGE AND TREATMENT PLAN

For treatment systems of 100 m^3 or greater, calculate the recommended product dosage and generate a three-month treatment plan using the Bionetix® Wastewater Dosing Calculator: https://calculator.bionetix-international.com/

APPLICATION METHOD

Apply BCP10™ directly to the active biological treatment system, either as a powder or pre-dispersed in water to improve distribution. Introduce the product at a location that ensures adequate mixing, contact with the active biomass, and sufficient hydraulic retention time.

Avoid stagnant zones or locations with insufficient mixing or hydraulic contact. Maintain adequate aeration where applicable to support biological treatment.

APPLICATION BY TREATMENT SYSTEM

Activated Sludge Systems and Biological Reactors: Apply at the influent to the biological stage, directly into the aeration basin, or at another well-mixed point within the active biological process.

Aerated Lagoons: Apply near the influent, aeration equipment, or active circulation zones to promote effective distribution.

Facultative Lagoons: Divide the total dosage among multiple application points, particularly where natural circulation is limited.

Open-Water Treatment Systems: Distribute the dosage among multiple locations according to circulation patterns and areas receiving the principal contaminant load.

Trickling Filters and Biological Contactors: Apply upstream of the biological media to promote uniform distribution across the active treatment surface.

Equalization Systems: For wastewater containing concentrated or inhibitory chemical contaminants, ensure adequate equalization before introducing BCP10™ into the active biological treatment stage.

Anaerobic Lagoons and Highly Reduced Systems: Treatment requirements depend on loading, retention time, mixing, and wastewater chemistry. Contact Bionetix® Technical Support for a site-specific recommendation.

LAGOON DOSING

Calculate lagoon dosage using the active water volume and actual average operating depth. Distribute the total dosage among several application points rather than concentrating it in one location.

For aerated lagoons, prioritize aeration or circulation zones. For facultative lagoons, select locations that provide the broadest practical distribution throughout the active treatment area.

SYSTEMS BELOW 100 m^3

For treatment systems below 100 m^3, dosing recommendations vary according to system configuration, wastewater characteristics, and operating conditions. Contact Bionetix® Technical Support for specific dosing guidance.

The information presented in this product sheet is believed to be reliable. This information is provided as representative only, and there are no warranties, expressed or implied, regarding its performance. Since neither distributor nor manufacturer has any control over handling, storage, use, or application conditions, they are not responsible for any claims, liabilities, damages, costs, or expenses of any kind arising out of or in any way connected with the handling, storage, or use of the product described. Refer to the Safety Data Sheet (SDS) for additional information on safe handling, storage, and spill response procedures.

21 040 rue Daoust • Ste-Anne-de-Bellevue • Quebec, Canada H9X 4C7
T 514.457.2914 • F 514.457.3589 • www.Bionetix-International.com

ISSUED DATE: 11/04/26. SUPERCEDES: 01/2014.

©2026 Bionetix® International. All Rights Reserved. Unauthorized copying and/or manipulation of these materials, in any form, is strictly prohibited without the prior written authorization of Bionetix® International. ISO accreditation applies solely to Bionetix's processes.