

# BCT-BAS

BCT-BAS is a bacterial blend for use in high COD industrial wastewater. Developed for bioaugmentation of industrial waste discharges, BCT-BAS contains a diverse blend of microbes selected for treating high strength industrial wastes. Influent with a strong organic content and high COD may contain various levels of biologically resistant quasi-toxic and toxic compounds that interfere with normal operation of wastewater treatment systems. Dosing with BCT-BAS enables the treatment system to efficiently, and effectively degrade organic wastes containing complex organics, such as phenols, benzenes, aliphatic and aromatic hydrocarbons, methacrylates, nitriles, creosols, naphthalenes, amines, formaldehyde, glycols, heterocycles such as morpholine and pyridine, ethoxylated phenols, waxes and other difficult to treat compounds. Cyanides are biologically removed from solution.

BCT-BAS performs well in both fully aerobic and anoxic environments. Due to specifically selected facultative bacterial strains, BCT-BAS can also help improve denitrification characteristics. BCT-BAS has also been used to reduce anti-foam demand in systems with foaming caused by incomplete degradation of organics.

## Features & Benefits

Promotes floc and biofilm formation	Improves settling and lowers polymer demand
Degrades inhibitory compounds	Degrades BOD/COD and decreases upset recovery time
Pre-measured water-soluble bags	Easy to dose

## Physical Data

Bacteria count	5 billion CFU/gram
Appearance and odor	Tan powder with black particles, mild yeast-like odor
Shelf life	2 years, minimum

## Operating Conditions

Product dosage will vary according to the specific situation and goals desired.

The effective pH range for BCT-BAS is 5.5 – 9.0, but its optimal range is 6.5 – 8.0. The effective temperature range is 5° - 45°C (41° - 113°F), but the optimal temperature range is 20° - 35°C (68° - 95°F).

Store in a cool, dry environment. Avoid temperature extremes and excessive moisture. Material subjected to sustained temperatures above 45°C or below 0°C may not perform as desired.

## Caution

BCT products contain naturally occurring, non-genetically engineered bacteria which have been subjected to stringent antibiotic screening. Simple hygiene practices are recommended with use. Do not ingest this product. Avoid conditions which promote large amounts of dust in a confined area. Some individuals may be sensitive to related chemical compounds present in the product. Direct contact with the skin should be avoided if irritation is noted.



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